### Scientific Name: Abeliophyllum distichum

#### Variety: Scientific Name: Abeliophyllum distichum

#### Cultivar: Family: Oleaceae

#### Common Name: White Forsythia

#### Source: Bailey Nurseries

---

**Observation Date of Plant:** 10/11/2011  
**Plant Habit:** Young, undefined  
**Plant Height:** 2-4 ft.  
**Plant Width:** 3-5 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Planted in arboretum in 2004 and established easily but not much vigor now - possibly too much shade. Habit seems a little leggy.

---

**Observation Date of Flowers:** 3/19/2012  
**Flower Color:** White  
**Flower Type:** cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 60-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Nice fragrance.

---

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Peristance:**
Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Health is improving on two trees after nearby tree was removed which was crowding the others.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
### Scientific Name: Abies nordmannia
### Cultivar: 26016
### Variety:  
### Family: Pinaceae
### Tsnum: 02031
### Common Name: Caucasian Fir
### Source: USDA/NC-7, Ames, IA
### Quantity observed: 1
### PI #: 26016

#### Observation Date of Plant:
11/9/2012

#### Plant Habit:
Irregular

#### Plant Height:
1-2 ft.

#### Plant Width:
10-15 in.

#### Current Seasons Growth:
1 - 2 in.

#### Foliage Color:
Dark green

#### Bark Characteristics:
Unimportant

#### Plant Summer Texture:
Fine

#### Aesthetic Plant Quality:
Poor

#### Landscape Uses:
Specimen

#### Overall Plant Health:
Fair

#### Insect Pests:

#### Pest Severity:

#### Plant Disease:

#### Disease Severity:

#### Cultural Problems:

#### Nuisances:

#### Recommended:
No

#### Comments on plant:
Vigor is low but this specimen would probably do better in more sun.

### Observation Date of Flowers:

#### Flower Color:

#### Flower Type:

#### Flower Effect:

#### % of Flower Coverage:

#### Bloom Stage:

#### Fruit Present:

#### Comments on Flowers:

### Fall Color or Fruit:

#### Date of observation:

#### Aesthetics:

#### Persistance:

#### Fall Color:
Scientific Name: Acer buergeranum
Cultivar: -0-  Family: Aceraceae
Common Name: Trident Maple
Source: OE White Research Arboretum  Quantity observed: 1  Tnum: 80272

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 22-28 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Light to medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease: Inactive canker
Disease Severity: Aesthetics affected
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Bark is flaky and very attractive, canker is large but not active. Mild chlorosis on most of the tree along with some leaf scorch.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Acer caddo</th>
<th>Variety:</th>
<th>Tnum:</th>
<th>94174</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td></td>
<td>Family: Aceraceae</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common Name:</td>
<td>Caddo Maple</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Oklahoma</td>
<td>Quantity observed:</td>
<td>2</td>
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</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/4/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>14-18 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>10-15 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6 - 12 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Residential street, specimen</td>
</tr>
</tbody>
</table>

| Overall Plant Health:     | Good         |
| Insect Pests:             |              |
| Pest Severity:           |              |
| Plant Disease:           |              |
| Disease Severity:        |              |
| Cultural Problems:       |              |
| Nuisances:               |              |
| Recommended:             | Yes          |
| Comments on plant:       | No sign of chlorosis. Nice overall appearance. |

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>10/19/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Color:</td>
<td>Fall color</td>
</tr>
<tr>
<td>Flower Type:</td>
<td></td>
</tr>
<tr>
<td>Flower Effect:</td>
<td></td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
<td></td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td></td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Fall color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Excellent</td>
</tr>
<tr>
<td>Persistance:</td>
<td>2-4 weeks</td>
</tr>
<tr>
<td>Fall Color:</td>
<td>Red, orange, yellow</td>
</tr>
</tbody>
</table>
Scientific Name: Acer campestre  
**Variety:**

**Cultivar:** Panacek  
**Family:** Aceraceae  

**Tsunum:** 06020

**Common Name:** Metro Gold Maple

**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Upright oval

**Plant Height:** 7-9 ft.

**Plant Width:** 3-5 ft.

**Current Seasons Growth:** 2-3 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:** Canker on one of two and was dead by 2010.

**Disease Severity:** Moderate to severe injury

**Cultural Problems:**

**Nuisances:** No

**Recommended:** No

**Comments on plant:** Planted in arboretum in 2008. Top half broken by snow damage 10/25/11. 
Break occurred near old canker wound.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Acer campestre</th>
<th>Variety:</th>
<th>Tsnun: 88090</th>
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</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Queen Elizabeth</td>
<td>Family: Aceraceae</td>
<td></td>
</tr>
<tr>
<td>Common Name:</td>
<td>Queen Elizabeth Hedge Maple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 2</td>
<td>PI #: -0-</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/8/2012  
**Plant Habit:** Upright oval to round  
**Plant Height:** 25-35 ft.  
**Plant Width:** 30-40 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small to medium tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Spreading to unwanted places by seed.  
**Recommended:** Yes  
**Comments on plant:** Growth habit is very dense and uniform.  

**Observation Date of Flowers:** 4/26/2006  
**Flower Color:** Green  
**Flower Type:** Cluster  
**Flower Effect:** Fair to poor  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Not showy due to color and size.  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Acer campestre</th>
<th><strong>Variety:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>Sparkling Burgundy</td>
<td><strong>Family:</strong></td>
</tr>
<tr>
<td><strong>Common Name:</strong></td>
<td>Sparkling Burgundy Hedge Maple</td>
<td></td>
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<tr>
<td><strong>Source:</strong></td>
<td>Femrite Nursery Company</td>
<td><strong>Quantity observed:</strong></td>
</tr>
<tr>
<td><strong>Tsnum:</strong></td>
<td>09002</td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/8/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 8-12 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, specimen, shade tree  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Canker  
**Disease Severity:** Moderate - affecting top 3 feet of central leader  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend.

---

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

---

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
**Scientific Name:** Acer campestre  
**Cultivar:** Stgrezam  
**Family:** Aceraceae  
**Tsnum:** 04019  
**Variety:**  

**Common Name:** Saint Gregory Hedge Maple  
**Source:** Femrite Nursery Company  
**Quantity observed:** 2  
**PI #:**  

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 8-10 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 18-24 in.  

**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, large shade tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2006. Had establishment problems earlier but has gained impressive vigor on one tree while second still looks anemic.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name: Acer campestre</th>
<th>Variety:</th>
<th>Tsnun: 10004</th>
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</thead>
<tbody>
<tr>
<td>Cultivar: Streetwise</td>
<td>Family: Aceraceae</td>
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<tr>
<td>Common Name: Streetwise Hedge Maple</td>
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<td></td>
</tr>
<tr>
<td>Source: Carlton Plants</td>
<td>Quantity observed: 2</td>
<td>PI #:</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/8/2012  
**Plant Height:** 10-14 ft.  
**Plant Width:** 6-9 ft.  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, small to medium tree

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** Planted in 2011 - too soon to recommend. Looks a little leggy. One of two trees has floppy central leader.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Acer drumondii
Cultivar:  
Family: Aceraceae
Tnum: 03139
Common Name: Maple
Source: Texas
Quantity observed: 1

Observation Date of Plant: 9/21/2010
Plant Habit: Young, undefined
Plant Height: 4-5 ft
Plant Width: 4-5 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistence: 

2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado
Tsnum: 07037
Scientific Name: Acer fremanii
Cultivar: Sienna Glen
Family: Aceraceae
Common Name: Sienna Glen Freeman Maple
Source: A. McGill & Son Nursery
Quantity observed: 1

PI #: 

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 9/30/2009
Aesthetics: Excellent
Persistance: 1-2 weeks
Fall Color: Red, orange
### Scientific Name: Acer ginnala
### Variety: semenovii
### Cultivar: 
### Family: Aceraceae
### Tsnum: 02013
### Common Name: Turkestan maple
### Source: Sjulin Nurseries
### Quantity observed: 2
### PI #: 

#### Observation Date of Plant: 10/9/2012

#### Plant Habit: Multistemmed, upright, irr
#### Plant Height: 10-15 ft.
#### Plant Width: 15-20 ft.
#### Current Seasons Growth: 6-12 in.

#### Foliage Color: Medium green
#### Bark Characteristics: Unimportant
#### Plant Summer Texture: Medium
#### Aesthetic Plant Quality: Fair
#### Landscape Uses: Specimen, small/confined areas

#### Overall Plant Health: Good
#### Insect Pests:
#### Pest Severity:
#### Plant Disease:
#### Disease Severity:
#### Cultural Problems:
#### Nuisances: Yes
#### Recommended: Yes

**Comments on plant:** Planted in arboretum in 2003. Looks good now but Acer ginnala often gets very chlorotic so it may take a little more time before we know for sure. Growth habit is not very attractive.

#### Observation Date of Flowers:
#### Flower Color:
#### Flower Type:
#### Flower Effect:
#### % of Flower Coverage: 
#### Bloom Stage: 
#### Fruit Present: 
#### Comments on Flowers: 

#### Fall Color or Fruit: 
#### Aesthetics: 
#### Fall Color: 

### Date of observation: 
### Persistance: 

---

Page 13 of 1130
Scientific Name: Acer ginnala  Variety: -0-
Cultivar: Flame  Family: Aceraceae  Tnum: 80092
Common Name: Flame Amur Maple
Source: Forrest Keeling Nursery  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 9/21/2010
Plant Habit: Irregular
Plant Height: 10-14 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Slight chlorosis on 50% of tree.
Nuisances:
Recommended: Marginal
Comments on plant: Doesn't like high soil pH but shows better vigor since being rejuvenated in 2002.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Acer ginnala
Cultivar: JFS-UGA
Family: Aceraceae
Variety: 
Tsun: 05013

Common Name: Red November Maple
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval
Plant Height: 10-12 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2008. 10/25/11 - Heavy snow broke out top 4 feet as tree still had all its foliage.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: Dark red
Date of observation: 10/20/2011
Persistence: 2-3 weeks
Scientific Name: Acer ginnala  
Variety:  
Cultivar: Ruby Slippers  
Family: Aceraceae  
Tsnm: 10013  
Common Name: Ruby Slippers Maple  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 2  
PI #:  

Observation Date of Plant: 10/9/2012  
Plant Habit: Upright oval  
Plant Height: 6-8 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 10-15 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, small tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: n/a  
Recommended:  
Comments on plant: Planted in 2011 - too soon to recommend.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

Page 16 of 1130
**Scientific Name:** Acer glabrum  
**Variety:** -0-  
**Family:** Aceraceae  
**Tsun #:** 78136  

**Common Name:** Rocky Mountain Maple  
**Source:** Western Evergreen Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Multistemmed  
**Plant Height:** 12-18 ft.  
**Plant Width:** 12-18 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair to poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  

**Recommended:** No  
**Comments on plant:** Has severe chlorosis with some necrosis in spots. May look better with more sunlight but crowded by nearby plants.

**Observation Date of Flowers:** 9/20/2004  
**Flower Color:** Fall color  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/20/2004  
**Aesthetics:** Fair  
**Persistency:** 1-2 weeks  
**Fall Color:** yellow, light yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Acer grandentatum
Cultivar: 
Common Name: Bigtooth Maple
Source: Plant Select/DBG

Variety: 
Family: Aceraceae
Tnum: 10118
Quantity observed: 1
PI #: 

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 3-4 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: n/a
Recommended: n/a
Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers: 

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 

Persistance:
Date of observation: 

Page 18 of 1130
**Scientific Name:** Acer grandidentatum  
**Variety:**  
**Cultivar:** 91011-75  
**Family:** Aceraceae  
**Tnum:** 96281  
**Common Name:** Big Tooth Maple  
**Source:** Plant Select  
**Quantity observed:** 1  
**PI #:** 91011-75

**Observation Date of Plant:** 10/21/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 12-16 ft.  
**Plant Width:** 8-12 ft.  
**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  Yes  
**Recommended:** Yes  
**Comments on plant:** Looks happy despite area with poor irrigation.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/6/2008  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** Red/yellow
**Scientific Name:** Acer grandidentatum  
**Variety:** 
**Cultivar:** 91014-52  
**Family:** Aceraceae  
**Tnum:** 96285  
**Common Name:** Big Tooth Maple  
**Source:** Plant Select  
**Quantity observed:** 1  
**PI #:** 91014-52

**Observation Date of Plant:** 10/21/2011

**Plant Habit:** Upright oval
**Plant Height:** 15-18 ft
**Plant Width:** 15-20 ft.
**Current Seasons Growth:** 10-15 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Medium
**Aesthetic Plant Quality:** Good
**Landscape Uses:** Specimen, small/confined areas

**Overall Plant Health:** Good

**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Date of observation:**
**Aesthetics:**
**Persistance:**
**Fall Color:**
### Scientific Name: Acer grandidentatum x saccharum

### Variety: Hipazam

### Family: Aceraceae

### Tnum: 11010

### Common Name: Highland Park Maple

### Source: J. Frank Schmidt and Son Co

### Quantity observed: 1

### Observation Date of Plant: 10/8/2012

### Plant Habit: Upright oval

### Plant Height: 8-12 ft.

### Plant Width: 3-4 ft.

### Current Seasons Growth: 6-12 in.

### Foliage Color: Medium green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Specimen, small/confined areas

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances: n/a

### Recommended: Planted in 2011 - too soon to recommend.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit: Fall color

### Date of observation: 10/15/2012

### Aesthetics: Good

### Persistance: 1-2 weeks

### Fall Color: Yellow, orange
Scientific Name: Acer griseum
Cultivar: Paperbark Maple
Common Name: Paperbark Maple
Source: Carlton Plants

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on Plant: Planted in arboretum in 2003. Peeling bark is very attractive and cinnamon brown.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Acer monospessulamum
Cultivar: 
Family: Aceraceae
Tnum: 05103

Common Name: Montpellier Maple
Source: Proven Winners
Quantity observed: 1

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 4-6 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2012 - too soon to recommend. Suffered some transplant stress with brown leaf margins developing.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Date of observation: 
Persistence:
Fall Color:
Scientific Name: Acer negundo
Variety: -0-
Cultivar: -0-  
Family: Aceraceae

Common Name: Boxelder
Source: Denver Botanic Gardens
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 10/8/2012
Plant Habit: Irregular
Plant Height: 35-45 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Difficult sites, shade tree

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease: Canker on branches
Disease Severity: Moderate injury
Cultural Problems:
Nuisances: Susceptible to storm damage
Recommended: No
Comments on plant: Seeds can be invasive. Moderate suckering. Poor growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
Scientific Name: Acer negundo  
Variety:  
Cultivar: Kelly's Gold  
Family: Aceraceae  
Tnum: 02045  
Common Name: Kelly's Gold Box Elder  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 10-14 ft.  
Plant Width: 10-15 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Light green with light yellow on new growth  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, difficult sites, under power lines where height is restricted  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Moved Spring of 2003 due to unavoidable construction.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 9/20/2004  
Aesthetics: Good  
Persistence: 1-2 weeks  
Fall Color: golden yellow
### Acer negundo

- **Scientific Name:** Acer negundo
- **Common Name:** Sensation Box Elder
- **Plant Habit:** Upright oval
- **Plant Height:** 20-25 ft.
- **Plant Width:** 18-22 ft.
- **Current Seasons Growth:** 3 - 6 in.
- **Foliage Color:** Medium green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Good to fair
- **Landscape Uses:** Residential street, specimen, difficult sites

#### Evaluation

- **Overall Plant Health:** Fair
  - **Insect Pests:**
  - **Pest Severity:**
  - **Plant Disease:** Canker
  - **Disease Severity:** 5%-10% of canopy - relatively minor.
  - **Cultural Problems:**
  - **Nuisances:**
  - **Recommended:** Yes
  - **Comments on plant:** Low vigor - possibly due to transplant in 2003 due to unavoidable construction.

#### Observation Dates

- **Observation Date of Plant:** 10/4/2011
- **Observation Date of Flowers:** 10/19/2011

#### Other Observations

- **Fall Color or Fruit:** Fall color
  - **Date of observation:** 10/19/2011
  - **Aesthetics:** Good
  - **Persistance:** 1-2 weeks
  - **Fall Color:** Red, yellow

#### PI and Tsnum

- **PI #:** -0- 
- **Tnum:** 91098

- **Source:** J. Frank Schmidt and Son Co
- **Quantity observed:** 1
**Scientific Name:** Acer negundo  
**Cultivar:** Variegatum  
**Family:** Aceraceae  
**Tnum:** 95034  
**Variety:** Variegatum  
**Common Name:** Variegated Boxelder  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright, irregular  
**Plant Height:** 10-15 ft.  
**Plant Width:** 8-12 ft  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Variegated, light green and white  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Canker  
**Disease Severity:** 20-30% of canopy - one tree is worse than the other.  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Has minor suckering. Would benefit from regular pruning since it has a lot of little dead twigs from low vigor. May need more irrigation. About 20% of canopy reverting back to solid green.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/20/2004  
**Aesthetics:** Poor to fair  
**Persistence:** 1-2 weeks  
**Fall Color:** Pale yellow
Scientific Name: Acer nigrum

Family: Aceraceae

Common Name: Black Maple

Source: Forrest Keeling Nursery

PI #: -0-

Tsun: 81228

Variety: -0-

Quantity observed: 1

Plant Habit: Upright oval

Plant Height: 28-35 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: May grow wider but this tree is crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/6/2008

Aesthetics: Good

Persistance: 1-2 weeks

Fall Color: Golden yellow
Scientific Name: Acer nigrum
Cultivar: Greencolumn
Family: Aceraceae
Common Name: Greencolumn Black Maple
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Tsun: 89128

PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Lost a large limb due to snow damage October 2011 which may case problems over the long term.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: red/orange
Date of observation: 10/6/2008
Persistence: 1-2 weeks
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Acer palmatum</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Bloodgood</td>
<td>Family: Aceraceae</td>
</tr>
<tr>
<td>Common Name: Bloodgood Japanese Maple</td>
<td></td>
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<tr>
<td>Source: J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 2</td>
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</tbody>
</table>

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<tr>
<th>PI #:</th>
</tr>
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<tbody>
<tr>
<td>Tsum: 07048</td>
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</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant: 10/9/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit: Upright oval</td>
</tr>
<tr>
<td>Plant Height: 3-5 ft.</td>
</tr>
<tr>
<td>Plant Width: 3-4 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth: 8-12 in.</td>
</tr>
</tbody>
</table>

| Foliage Color: Dark red/purple |
| Bark Characteristics: Intermediate importance |
| Plant Summer Texture: Medium |
| Aesthetic Plant Quality: Good |
| Landscape Uses: Specimen |

| Overall Plant Health: Good |
| Insect Pests: |
| Pest Severity: |
| Plant Disease: |
| Disease Severity: |
| Cultural Problems: |
| Nuisances: |
| Recommended: Marginal |

| Comments on plant: Had 65% dieback during last winter (2009-2010) but doing fine since then. |

| Observation Date of Flowers: |
| Flower Color: |
| Flower Type: |
| Flower Effect: |
| % of Flower Coverage: |
| Bloom Stage: |
| Fruit Present: |
| Comments on Flowers: |

| Fall Color or Fruit: |
| Aesthetics: |
| Fall Color: | Date of observation: |
| Persistance: |
Scientific Name: Acer palmatum dissectum  
Variety:  
Cultivar: Contorta  
Family: Aceraceae  
Tnum: 07049  
Common Name: Contorta Japanese Maple  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 9/16/2010  
Plant Habit: Young, undefined  
Plant Height: 3 ft.  
Plant Width: 2 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Poor  
Landscape Uses: Specimen  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: No  
Recommended: No  
Comments on plant: Had severe dieback last winter - not hardy for this area.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:  
Scientific Name: Acer platanoides
Variety: -0-
Cultivar: -0-  
Family: Aceraceae
Tsnm: 78137
Common Name: Norway Maple
Source: Kankakee Nursery Company
Quantity observed: 2

PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Round to upright oval
Plant Height: 40-50 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/26/2006
Flower Color: Yellow/green
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 70-90%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.

Fall Color or Fruit:
Aesthetics:
Fall Color: 
Date of observation:
Persistance:
Scientific Name: Acer platanoides
Cultivar: -0-
Family: Aceraceae
Variety: -0-
Tsun: 84239
Common Name: Norway Maple
Source: USDA, Glen Dale, MD
Quantity observed: 1
PI #: PI377711

Observation Date of Plant: 10/9/2012

Plant Habit: Round
Plant Height: 28-35 ft.
Plant Width: 35-40 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Scientific Name: Acer platanoides
Cultivar: Cavalier
Family: Aceraceae
Common Name: Cavalier Norway Maple
Source: Handy Nursery Co.

Variety: -0-
Tsun: 88087

Quantity observed: 1
PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval to round
Plant Height: 34-40 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Partly disfigured by storm damage.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Acer platanoides  
Variety: -0-  
Cultivar: Cleveland  
Family: Aceraceae  
Tnum: 86205  
Common Name: Cleveland Norway Maple  
Source: Mount Arbor Nursery  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/8/2012  
Plant Habit: Round  
Plant Height: 30-40 ft.  
Plant Width: 30-35 ft.  
Current Seasons Growth: 8-14 in.  

Foliage Color: Medium to dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.  
Nuisances:  
Recommended: Yes  
Comments on plant: Uniform growth habit, wide branch angles, very attractive except for leaf scorch due to very hot, dry summer.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Persistance:  
Aesthetics:  
Fall Color:
**Scientific Name:** Acer platanoides  
**Variety:** -0-  
**Cultivar:** Columnaris  
**Family:** Aceraceae  
**Tsun:** 78138  
**Common Name:** Columnar Norway Maple  
**Source:** Unknown  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval to round  
**Plant Height:** 38-45 ft.  
**Plant Width:** 40-50 ft.  
**Current Seasons Growth:** 8-15 in.  

**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, large shade tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  

**Comments on plant:** Growth habit isn't very columnar or uniform. Has a couple of dead branches from unknown cause that decrease aesthetics.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Landscape Uses:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Acer platanoides  
Variety:  
Cultivar: Conzam  
Family: Aceraceae  
Tnum: 06001  
Common Name: Conquest Norway Maple  
Source: Femrite Nursery Company  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/9/2012  
Plant Habit: Upright oval to round  
Plant Height: 6-8 ft.  
Plant Width: 6-8 ft.  
Current Seasons Growth: 1-2 ft.  

Foliage Color: Dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: n/a  
Comments on plant: Lost central leader earlier from unknown cause but is coming back strong. Planted in 2011 - too soon to recommend.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
**Scientific Name:** Acer platanoides

**Cultivar:** Conzam  
**Family:** Aceraceae  
**Tnum:** 05014  
**Common Name:** Conquest Maple

**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Upright oval

**Plant Height:** 6-8 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 6-10 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** Planted in 2008. Top 25% of central leader died apparently from canker but signs of fruiting bodies are more at lateral branch. Rest of foliage and stems look attractive and vigorous. Leaf petioles and veins are a very attractive red on

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**

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Scientific Name: Acer platanoides
Variety: -0-
Cultivar: Deborah
Family: Aceraceae
Tsnem: 84181
Common Name: Deborah Norway Maple
Source: J. Frank Schmidt and Son Co Quantity observed: 2
PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Round to upright oval
Plant Height: 30-40 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Nice shape but one tree has included bark in trunk.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Acer platanoides  Variety: -0-
Cultivar: Fairview  Family: Aceraceae  Tnum: 93090
Common Name: Fairview Maple
Source: J. Frank Schmidt and Son Co  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/26/2006
Flower Color: Yellow/green
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Flowers look a little more showy than most because of color contrast with emerging dark red foliage.

Fall Color or Fruit:
Aesthetics: Date of observation:
Persistance:
Fall Color:
Scientific Name: Acer platanoides
Variety:
Cultivar: Globosum
Family: Aceraceae
Tnum: 02004
Common Name: Globe Norway Maple
Source: Femrite Nursery Company
Quantity observed: 1

Observation Date of Plant: 10/4/2011
Plant Habit: Round
Plant Height: 7 - 8 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate to severe injury
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Planted in arboretum in 2003. Canopy is very dense. Two large cankers on opposite sides of trunk are reducing vigor.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 9/20/2004
Aesthetics: Good
Persistance: 1-2 weeks
Fall Color: yellow/orange
| **Scientific Name:** | Acer platanoides | **Variety:** |  |
| **Cultivar:** | Jade Glen | **Family:** | Aceraceae |
| **Common Name:** | Jade Glen Maple | **Tsum:** | 00041 |
| **Source:** | A. McGill & Son Nursery | **Quantity observed:** | 1 |

| **Observation Date of Plant:** | 10/4/2011 |
| **Plant Habit:** | Upright oval to round |
| **Plant Height:** | 13-17 ft |
| **Plant Width:** | 14-19 ft. |
| **Current Seasons Growth:** | 10-15 in. |

| **Foliage Color:** | Dark green |
| **Bark Characteristics:** | Unimportant |
| **Plant Summer Texture:** | Medium |
| **Aesthetic Plant Quality:** | Fair to good |
| **Landscape Uses:** | Residential street, specimen, large shade tree |

| **Overall Plant Health:** | Fair to good |
| **Insect Pests:** | |
| **Pest Severity:** | |
| **Plant Disease:** | |
| **Disease Severity:** | |
| **Cultural Problems:** | |
| **Nuisances:** | |
| **Recommended:** | Yes |
| **Comments on plant:** | Planted in arboretum in 2004. Growth on central leader is minimal and most new growth is on lateral branches. Remainder of tree looks good. |

| **Observation Date of Flowers:** |
| **Flower Color:** |
| **Flower Type:** |
| **Flower Effect:** |
| **% of Flower Coverage:** |
| **Bloom Stage:** |
| **Fruit Present:** |
| **Comments on Flowers:** |

| **Fall Color or Fruit:** | Fall color |
| **Date of observation:** | 9/20/2004 |
| **Aesthetics:** | Fair |
| **Persistance:** | 2-4 weeks |
| **Fall Color:** | yellow |
Scientific Name: Acer platanoides  
Variety: -0-  
Cultivar: Lamis  
Family: Aceraceae  
Tsum: 89113  
Common Name: Crystal Norway Maple  
Source: Bailey Nurseries  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/4/2011  
Plant Habit: Round to broad oval  
Plant Height: 15-20 ft.  
Plant Width: 22-28 ft.  
Current Seasons Growth: 8-12 in.  

Foliage Color: Medium to dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen, large shade tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  

Observation Date of Flowers:  
Flower Color: Fall color  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 9/20/2004  
Aesthetics: Good  
Persistence: 2-4 weeks  
Fall Color: yellow
Scientific Name: Acer platanoides  
Cultivar: National 2000  
Family: Aceraceae  
Variety:  
Tnum: 05003  
Common Name: Champtree Norway Maple  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 14-17 ft.  
Plant Width: 7-10 ft.  
Current Seasons Growth: 18-30 in.  

Foliage Color: Medium to dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Excellent  
Landscape Uses: Residential street, shade tree, specimen  

Overall Plant Health: Excellent  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended:  
Comments on plant: Planted in 2006. Has demonstrated extreme vigor now that it has become established.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:  

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Acer platanoides
Variety: columnaris
Tsnun: 86184

Cultivar: Olmstead
Family: Aceraceae

Common Name: Olmstead Columnar Norway Maple
Source: Schichtel's Nursery

Quantity observed: 1

PI #: -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 25-35 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant

Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: This tree may have a wider growth habit if it had more space. More space/sun would probably give it good ratings for both health and overall aesthetics. It has had previous storm damage that has made appearance fairly coarse.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow/green
Flower Type: Cluster

Flower Effect: Fair
% of Flower Coverage: 60-70%
Bloom Stage: Flowers open

Fruit Present:
Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
Scientific Name: Acer platanoides
Cultivar: Parkway
Family: Aceraceae
Tnum: 84182
Common Name: Parkway Norway Maple
Source: J. Frank Schmidt and Son Co
Quantity observed: 1
PI #: 0

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval to round
Plant Height: 38-45 ft.
Plant Width: 40-45 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Date of observation:
Aesthetics:
Persistance:
Fall Color:
**Scientific Name:** Acer platanoides  
**Variety:** -0-  
**Cultivar:** Pond  
**Family:** Aceraceae  
**Tnum:** 85084  
**Common Name:** Emerald Lustre Norway Maple  
**Source:** A. McGill & Son Nursery  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Broad oval to round  
**Plant Height:** 20-25 ft.  
**Plant Width:** 30-40 ft.  
**Current Seasons Growth:** 6 - 12 in.  
**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, shade tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** yes  
**Comments on plant:** Top of canopy seems to have some dieback that appears similar to a canker which may be keeping it shorter than it should be. It still looks okay from a distance.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Acer platanoides</th>
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<tr>
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<td>Family:</td>
<td>Aceraceae</td>
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<td>Common Name:</td>
<td>Emerald Lustre Norway Maple</td>
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<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
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<tr>
<td>Tsnm:</td>
<td>85163</td>
<td>PI #:</td>
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</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Round to broad oval

**Plant Height:** 20-30 ft.

**Plant Width:** 35-45 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Nice canopy shape but developing some included bark.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/28/2008

**Aesthetics:** Good

**Persistance:** 1-2 weeks

**Fall Color:** Yellow
Scientific Name: Acer platanoides  Variety: -0-
Cultivar: Princeton Gold  Family: Aceraceae  Tsnum: 93089
Common Name: Princeton Gold Maple
Source: J. Frank Schmidt and Son Co  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval or irregular.
Plant Height: 15-20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Yellow/light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium to coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Moved Spring of 2003 due to unavoidable construction. Leaves on 10-15% of canopy have scorch.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/16/2003
Aesthetics: Fair  Persistance: 1-2 weeks
Fall Color: bright yellow
Scientific Name: Acer platanoides
Cultivar: Royal Red  
Family: Aceraceae
Common Name: Royal Red Norway Maple
Source: A. McGill & Son Nursery
Quantity observed: 1
PI #: -0-

Tsnum: 85086

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval to round
Plant Height: 25-30 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: dark red and purple

Date of observation: 9/20/2004
Persistance: 2-4 weeks
### Acer platanoides

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Variety</th>
<th>Tsnam</th>
<th>Source</th>
<th>Quantity observed</th>
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<td>Summershade Norway Maple</td>
<td>J. Frank Schmidt and Son Co</td>
<td></td>
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</tr>
</tbody>
</table>

- **Observation Date of Plant**: 10/9/2012
- **Plant Habit**: Irregular to round
- **Plant Height**: 20-25 ft.
- **Plant Width**: 30-40 ft.
- **Current Seasons Growth**: 10-15 in.
- **Foliage Color**: Medium green
- **Bark Characteristics**: Unimportant
- **Plant Summer Texture**: Medium
- **Aesthetic Plant Quality**: Fair to poor
- **Landscape Uses**: Residential street, large shade tree
- **Overall Plant Health**: Fair to poor
- **Insect Pests**: 
- **Pest Severity**: 
- **Plant Disease**: Canker
- **Disease Severity**: Severe injury
- **Cultural Problems**: 
- **Nuisances**: 
- **Recommended**: Marginal
- **Comments on Plant**: Growth habit deformed by storm damage but returning to normal appearance only recently and had storm damage to another large branch. Canker in trunk killed 25% of original central leader.

- **Observation Date of Flowers**: 4/26/2006
- **Flower Color**: Yellow/green
- **Flower Type**: cluster
- **Flower Effect**: Fair
- **% of Flower Coverage**: 50-70%
- **Bloom Stage**: Flowers open
- **Fruit Present**: 
- **Comments on Flowers**: Not a bright enough yellow to be showy - blends in with emerging foliage.

- **Fall Color or Fruit**: 
- **Aesthetics**: 
- **Fall Color**: 
- **Date of observation**: 
- **Persistance**: 

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Scientific Name: Acer platanoides

Variety: -0-

Tsnam: 87080

Source: J. Frank Schmidt and Son Co

Quantity observed: 1

PI #: -0-

Plant Height: 20-25 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair to poor

Insect Pests: 

Pest Severity: 

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems: 

Nuisances: 

Recommended: Marginal

Comments on Plant: Growth habit deformed by storm damage but returning to normal appearance only recently and had storm damage to another large branch. Canker in trunk killed 25% of original central leader.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow/green

Flower Type: cluster

Flower Effect: Fair

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present: 

Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.
**Scientific Name:** Acer platanoides  
**Cultivar:** Superform  
**Family:** Aceraceae  
**Common Name:** Superform Norway Maple  
**Source:** Milton Nursery  
**Quantity observed:** 1  
**Tsum:** 78032  
**PI #:** -0-

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval to round  
**Plant Height:** 35-45 ft.  
**Plant Width:** 25-35 ft.  
**Current Seasons Growth:** 8-14 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, large shade tree  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Would probably look better if not crowded by nearby plants - some branches appear to be getting shaded out. Snow damage October 2011 decreased overall width.

**Observation Date of Flowers:** 4/26/2006  
**Flower Color:** Yellow/green  
**Flower Type:** cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 50-70%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Not a bright enough yellow to be showy - blends in with emerging foliage.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Acer platanoides

Variegatum

Aceraceae

Silver Variegated Norway Maple

A. McGill & Son Nursery

Quantity observed: 2

10/9/2012

Upright oval

10-16 ft.

7-10 ft.

10-15 in.

Variegated, green/white

Unimportant

Medium

Fair to good

Residential street, specimen, shade tree

Good

Marginal

Planted in 2004. Both trees have about 40% of tree has reverted to a solid green leaf. Variegated foliage is very showy but color fades and has some scorch around the edges by end of season.
### Acer pseudosieboldianum

**Scientific Name:** Acer pseudosieboldianum  
**Cultivar:**  
**Common Name:** Korean Maple  
**Source:** Bailey Nurseries  
**Quantity observed:** 3  
**PI #:**

**Variety:**  
**Family:** Aceraceae  
**Tsnum:** 07030

---

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 8-11 ft.  
**Plant Width:** 3-6 ft.  
**Current Seasons Growth:** 6-12 in.

- **Foliage Color:** Medium green  
- **Bark Characteristics:** Unimportant  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Fair to good  
- **Landscape Uses:** Specimen

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Planted in 2008. One tree is flopping.

---

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

- **Fall Color or Fruit:** Fall color  
- **Aesthetics:** Good  
- **Fall Color:** Dark red  
- **Date of observation:** 10/21/2011  
- **Persistance:** 1-2 weeks
**Scientific Name:** Acer rubrum  
**Variety:** -0-  
**Cultivar:** Armstrong  
**Family:** Aceraceae  
**Tsun:** 93045  
**Common Name:** Armstrong Maple  
**Source:** A. McGill & Son Nursery  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Columnar  
**Plant Height:** 25-30 ft.  
**Plant Width:** 6-8 ft.  
**Current Seasons Growth:** 10-15 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, narrow/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  

**Comments on plant:** Moved in 2003 due to unavoidable construction. Looks like it has regained vigor now but one tree has mild chlorosis. Looks good for a red maple in this area.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/20/2004  
**Aesthetics:** Excellent  
**Persistance:** 2-4 weeks  
**Fall Color:** orange, red
## Scientific Name: Acer rubrum  
### Variety:

### Cultivar: Brandywine  
### Family: Aceraceae  
### Tnum: 02001

## Common Name: Brandywine Red Maple

### Source: A. McGill & Son Nursery  
### Quantity observed: 1  
### PI #: 

## Observation Date of Plant: 10/4/2011

### Plant Habit: Upright oval
### Plant Height: 8-12 ft.
### Plant Width: 6-8 ft.
### Current Seasons Growth: 12-18 in.

## Foliage Color: Medium green

## Bark Characteristics: Unimportant

## Plant Summer Texture: Medium

## Aesthetic Plant Quality: Fair

## Landscape Uses: Residential street, specimen, shade tree

## Overall Plant Health: Fair

## Insect Pests:

## Pest Severity:

## Plant Disease:

## Disease Severity:

## Cultural Problems:

## Nuisances: Marginal

## Recommended: Marginal

### Comments on plant: Planted in 2004. Has moderate chlorosis - doesn't seem to tolerate a soil pH near 8.0. Suffered severe snow damage 10/25/11 with a split down the middle of the trunk. Will probably be removed.

## Observation Date of Flowers:

## Flower Color:

## Flower Type:

## Flower Effect:

## % of Flower Coverage:

## Bloom Stage:

## Fruit Present:

## Comments on Flowers:

### Fall Color or Fruit: Fall color  
### Date of observation: 10/1/2009  
### Aesthetics: Good  
### Persistance: 1-2 weeks  
### Fall Color: rose, red
Scientific Name: Acer rubrum  
Cultivar: Northwood  
Family: Aceraceae  
Tnum: 00042  
Variety:  
Common Name: Northwood Red Maple  
Source: A. McGill & Son Nursery  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 9/21/2010  
Plant Habit: Irregular  
Plant Height: 8-10 ft.  
Plant Width: 7-10 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Poor - too chlorotic  
Landscape Uses: Residential street, specimen, large shade tree  

Overall Plant Health: Fair to poor  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  No  
Recommended:  

Comments on plant: Planted in arboretum in 2003. Severe chlorosis - doesn't like higher soil pH. Growth habit is one sided due to crowding by nearby plants.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 9/20/2004  
Aesthetics: Excellent  
Persistance: 1-2 weeks  
Fall Color: red/orange
Scientific Name: Acer rubrum

Cultivar: Schlesinger  
Family: Aceraceae

Common Name: Schlesinger Red Maple

Source: Carlton Plants

Quantity observed: 2
PI #: -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 25-30 ft.

Plant Width: 30-35 ft.

Current Seasons Growth: 8-14 in

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests: 

Pest Severity: 

Plant Disease: 

Disease Severity: 

Cultural Problems: 

Nuisances: 

Recommended: Yes

Comments on plant: Both trees are slightly chlorotic.

Observation Date of Flowers:

Flower Color: 

Flower Type: 

Flower Effect: 

% of Flower Coverage: 

Bloom Stage: 

Fruit Present: 

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 9/20/2004

Aesthetics: Good

Persistance: 2-4 weeks

Fall Color: yellow, orange
**Scientific Name:** Acer saccharinum  
**Cultivar:** Blair  
**Family:** Aceraceae  
**Tnum:** 02005  
**Common Name:** Blair Silver Maple  
**Source:** Femrite Nursery Company  
**Quantity observed:** 2  

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 18-22 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 12-18 in  

**Foliage Color:** Light green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Moderate suckering  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2003. Both look very nice although the branching habit is a little too open with a little bit of a leggy look.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/20/2004  
**Aesthetics:** Good  
**Persistance:** 2-4 weeks  
**Fall Color:** yellow
### Acer saccharinum

**Variety:** -0-

**Family:** Aceraceae

**Tnum:** 89133

**Common Name:** Silver Queen Silver Maple

**Source:** Sherman Nursery

**Quantity observed:** 1

**PI #:** -0-

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Upright oval

**Plant Height:** 40-50 ft.

**Plant Width:** 30-40 ft.

**Current Seasons Growth:** 12-18 in

**Foliage Color:** Light to medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Specimen, large shade tree

**Overall Plant Health:** Fair to good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Somewhat susceptible to storm damage. Seems to be more tolerant of high soil pH than species but does have minor chlorosis.

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Acer saccharinum  
**Cultivar:** Skinneri  
**Family:** Aceraceae  
**Common Name:** Skinner's Cutleaf Maple  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**Tnum:** 91101

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 25-30 ft.  
**Plant Width:** 24-28 ft.  
**Current Seasons Growth:** 2-4 in

**Foliage Color:** Light green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Moved in 2003 due to unavoidable construction. Still hasn't regained vigor but it was a large tree to move.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/16/2003  
**Aesthetics:** Fair  
**Persistance:** 1-2 weeks  
**Fall Color:** yellow
### Scientific Name: **Acer saccharinum**
**Variety:** -0-
**Cultivar:** Skinner's Cutleaf  **Family:** Aceraceae  **Tnum:** 84197

### Common Name: **Skinner's Cutleaf Silver Maple**

### Source: Bailey Nurseries  **Quantity observed:** 1  **PI #:** -0-

### Observation Date of Plant: 10/9/2012

### Plant Habit: Upright oval
**Plant Height:** 50-60 ft.  
**Plant Width:** 30-40 ft.
**Current Seasons Growth:** 1 - 2 ft.

### Foliage Color: Medium green
### Bark Characteristics: Intermediate importance
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Good
### Landscape Uses: Specimen, large shade tree

### Overall Plant Health: Good

### Insect Pests:  
### Pest Severity:  
### Plant Disease:  
### Disease Severity:  
### Cultural Problems:  
### Nuisances: Susceptible to storm damage but seems to be more tolerant of high soil pH than
### Recommended: Yes
**Comments on plant:** May have a wider spread if it had more space.

### Observation Date of Flowers:
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

### Fall Color or Fruit: Fall color  
**Date of observation:** 9/20/2004
**Aesthetics:** Good  
**Persistance:** 2-4 weeks
**Fall Color:** yellow
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<thead>
<tr>
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<th>Acer saccharum</th>
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<td>-0-</td>
<td>Family: Aceraceae</td>
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<tr>
<td>Common Name:</td>
<td>Sugar Maple</td>
<td>Tsum: 80159</td>
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<tr>
<td>Source:</td>
<td>American Nursery Product/Mi</td>
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**Plant Evaluation Details**

- **Observation Date of Plant:** 10/8/2012
- **Plant Habit:** Upright oval
- **Plant Height:** 45-55 ft.
- **Plant Width:** 35-45 ft.
- **Current Seasons Growth:** 6 - 12 in.

- **Foliage Color:** Medium green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Residential street, specimen, large shade tree
- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:** Canker
- **Disease Severity:** Slight injury on small branch
- **Cultural Problems:**
- **Nuisances:**
- **Recommended:** Yes
- **Comments on plant:**

**Observation Date of Flowers:**

- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**
- **Comments on Flowers:**

**Fall Color or Fruit:**

- **Aesthetics:**
- **Fall Color:**
- **Date of observation:**
- **Persistance:**
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<td><strong>Family:</strong></td>
<td>Aceraceae</td>
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<tr>
<td><strong>Common Name:</strong></td>
<td>Sugar Maple</td>
<td></td>
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<tr>
<td><strong>Source:</strong></td>
<td>USDA/NC-7, Ames, IA</td>
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<td></td>
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</table>

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 15-20 ft.  
**Plant Width:** 10-14 ft  
**Current Seasons Growth:** 2-4 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Moved in 2003 due to unavoidable construction. Small growth increments but otherwise looks very good.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/8/2009  
**Aesthetics:** Excellent  
**Persistence:** 1-2 weeks  
**Fall Color:** orange, yellow
**Scientific Name:** Acer saccharum  
**Cultivar:** Arrowhead  
**Family:** Aceraceae  
**Common Name:** Arrowhead Sugar Maple  
**Source:** Schichtel's Nursery  
**Quantity observed:** 2  
**Observation Date of Plant:** 10/8/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 40-45 ft.  
**Plant Width:** 30-35 ft.  
**Current Seasons Growth:** 8-12 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Uniform growth habit and excellent fall color.

**Observation Date of Flowers:** 4/26/2006  
**Flower Color:** Yellow/green  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 40-50%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Pendulous flowers are an interesting shape but not a very showy color.

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/28/2008  
**Aesthetics:** Excellent  
**Persistance:** 1-2 weeks  
**Fall Color:** yellow, magenta red
### Scientific Name: Acer saccharum
### Cultivar: Autumn Faith
### Family: Aceraceae
### Variety:
### Tnum: 08014

### Common Name: Autumn Faith Sugar Maple
### Source: Femrite Nursery Company
### Quantity observed: 1

### Observation Date of Plant: 10/9/2012
### Plant Habit: Upright oval
### Plant Height: 6-8 ft.
### Plant Width: 1-2 ft.
### Current Seasons Growth: 6-12 in.

### Foliage Color: Medium green
### Bark Characteristics: Unimportant
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Fair to poor
### Landscape Uses: Residential street, specimen, large shade tree

### Overall Plant Health: Fair to poor
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems:
### Nuisances:
### Recommended: n/a

### Comments on plant: Top 3 ft. is weak and thin possibly due to canker on trunk which isn't obvious yet. Planted in 2011 - too soon to recommend

### Observation Date of Flowers:
### Flower Color:
### Flower Type:
### Flower Effect:
### % of Flower Coverage:
### Bloom Stage:
### Fruit Present:
### Comments on Flowers:

### Fall Color or Fruit:
### Aesthetics:
### Persistance:
### Date of observation:
### Fall Color:
Scientific Name: Acer saccharum
Cultivar: Bonfire
Family: Aceraceae
Common Name: Bonfire Sugar Maple
Source: J. Frank Schmidt and Son Co
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Nice growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: Bright red

Date of observation: 10/10/2012
Persistance: 1-2 weeks
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

Scientific Name: Acer saccharum  
Variety:  
Cultivar: Campfire  
Family: Aceraceae  
Tsun: 96038  
Common Name: Campfire Maple  
Source: James Holmund Nursery  
Quantity observed: 2  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 15-20 ft.  
Plant Width: 8 - 12 ft  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium to light green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Moved in 2003 due to unavoidable construction. Still looks fresh late in the season.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 9/20/2004  
Aesthetics: Excellent  
Persistence: 2-4 weeks  
Fall Color: orange, yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Acer saccharum
Cultivar: Chippewa Fire
Family: Aceraceae
Tnum: 96037

Variety:

Common Name: Chippewa Fire Maple
Source: James Holmund Nursery
Quantity observed: 1

PI #:

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval
Plant Height: 12-17 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Looks very healthy.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 10/21/2011
Aesthetics: Excellent
Persistance: 2-3 weeks
Fall Color: Bright rose/red
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Acer saccharum
Cultivar: Fairview
Family: Aceraceae
Tnum: 95041

Variety: Fairview Maple
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

PI #:

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval
Plant Height: 20-24 ft.
Plant Width: 10-14 ft
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Attractive, dense growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Bright rose/orange, yellow
Date of observation: 10/8/2009
Persistance: 1-2 weeks

Persistance:

Attractive, dense growth habit.
Scientific Name: Acer saccharum
Cultivar: Green Column
Family: Aceraceae
Common Name: Green Mountain Sugar Maple
Source: J. Frank Schmidt and Son Co

Quantity observed: 1
PI #: 84183

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Nice shape to growth habit. Nice central leader.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Acer saccharum
Variety: 
Cultivar: Heartland
Family: Aceraceae
Tnum: 06003
Common Name: Autumn Faith Sugar Maple
Source: Femrite Nursery Company
Quantity observed: 2

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate injury on one tree
Cultural Problems:
Nuisances:
Recommended: Yes

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:
Fall Color or Fruit:
Aesthetics:
Fall Color:

Fall Color or Fruit: 
Date of observation:
Persistance:
### Scientific Name: Acer saccharum
**Variety:**

**Cultivar:** Hiawatha 1
**Family:** Aceraceae
**Tnum:** 10016

**Common Name:** Oregon Trail Maple
**Source:** J. Frank Schmidt and Son Co
**Quantity observed:** 1

**Observation Date of Plant:** 10/5/2012

**Plant Habit:** Upright oval
**Plant Height:** 6-8 ft.
**Plant Width:** 4-6 ft.
**Current Seasons Growth:** 8-12 in

**Foliage Color:** Medium green
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Medium green
**Aesthetic Plant Quality:** Good
**Landscape Uses:** Residential street, specimen, shade tree

**Overall Plant Health:** Good
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Yes
**Comments on plant:** Planted in 2011.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:**

**Date of observation:**
**Persistance:**
### Acer saccharum

**Variety:** Jefcan  
**Family:** Acereae  
**Tnum:** 09069  
**Common Name:** Unity Maple  
**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**PI #:**

**Scientific Name:** Acer saccharum

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Upright oval

**Plant Height:** 8-10 ft.

**Plant Width:** 3-5 ft.

**Current Seasons Growth:** 10-15 in

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** n/a

**Comments on plant:** Planted in 2012 - too soon to recommend.

### Flower

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Scientific Name: Acer saccharum  
Cultivar: JFS-Caddo2  
Family: Aceraceae  
Tnum: 10014  
Variety:  
Common Name: Flashfire Maple  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 5-7 ft.  
Plant Width: 3-4 ft.  
Current Seasons Growth: 12-24 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: n/a  
Recommended:  
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/19/2011  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: Red
Scientific Name: Acer saccharum
Cultivar: JFS-KW8
Family: Aceraceae
Tnum: 09011
Common Name: Autumn Fest Maple
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 6-9 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 8-12 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Acer saccharum  Variety: 
Cultivar: John Pair  Family: Aceraceae  Tsnum: 07046 
Common Name: John Pair Maple  Quantity observed: 1  PI #: 
Source: J. Frank Schmidt and Son Co  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 8-10 ft.  
Plant Width: 4-5 ft.  
Current Seasons Growth: 2-4 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  Date of observation: 10/7/2009  
Aesthetics: Good  Persistence: 1-2 weeks  
Fall Color: red, orange
### Scientific Name: Acer saccharum
### Variety: -0-
### Cultivar: Majesty  
### Family: Aceraceae  
### Tsnum: 87101
### Common Name: Majesty Sugar Maple

**Source:** A. McGill & Son Nursery  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 10/8/2012

**Plant Habit:** Upright oval

**Plant Height:** 25-30 ft.

**Plant Width:** 20-30 ft

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:** Canker - not active

**Disease Severity:** Aesthetics affected but almost normal looking

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Starting to overcome aesthetic problem of old canker.

### Observation Date of Flowers:

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
### Acer saccharum

**Scientific Name:** Acer saccharum  
**Variety:**  
**Cultivar:** Monumentale  
**Family:** Aceraceae  
**Tnum:** 96132  
**Common Name:** Temple's Upright Maple  
**Source:** Schichtel's Nursery  
**Quantity observed:** 2  
**Observation Date of Plant:** 10/8/2012  
**Plant Habit:** Columnar  
**Plant Height:** 30-40 ft.  
**Plant Width:** 4-8 ft.  
**Current Seasons Growth:** 6 - 12 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, narrow/confined areas  
**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:**  
**Comments on plant:** Very unique growth habit. One of the top five most columnar growth habits in the arboretum.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Aesthetics:** Good  
**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/6/2008  
**Persistence:** 1-2 weeks  
**Fall Color:** A lot of yellow but also bright red, orange

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**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/6/2008  
**Persistance:** 1-2 weeks  
**Fall Color:** A lot of yellow but also bright red, orange
**Scientific Name:** Acer saccharum  
**Common Name:** Crescendo Sugar Maple  
**Family:** Aceraceae  
**Cultivar:** Morton  
**Variety:**  
**Source:** J. Frank Schmidt and Son Co  
**Tnum:** 00157  
**PI #:**

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<td>Plant Habit</td>
<td>Upright oval</td>
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<tr>
<td>Plant Height</td>
<td>22-30 ft.</td>
</tr>
<tr>
<td>Plant Width</td>
<td>20-30 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth</td>
<td>6-12 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foliage Color</th>
<th>Medium green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bark Characteristics</td>
<td>Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture</td>
<td>Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses</td>
<td>Residential street, specimen, large shade tree</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall Plant Health</th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests</td>
<td></td>
</tr>
<tr>
<td>Pest Severity</td>
<td></td>
</tr>
<tr>
<td>Plant Disease</td>
<td></td>
</tr>
<tr>
<td>Disease Severity</td>
<td></td>
</tr>
<tr>
<td>Cultural Problems</td>
<td></td>
</tr>
<tr>
<td>Nuisances</td>
<td>Yes</td>
</tr>
<tr>
<td>Recommended</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant</td>
<td>Planted in 2002. Growth habit is relatively open.</td>
</tr>
</tbody>
</table>

**Fall Color:** red  
**Date of observation:** 10/10/2004  
**Fall Color or Fruit:** Fall color  
**Aesthetics:** Excellent  
**Persistance:** 1-2 weeks
**Scientific Name:** Acer saccharum  
**Cultivar:** Sandersville  
**Family:** Aceraceae  
**Tnum:** 09012  
**Common Name:** Harvest Moon Sugar Maple  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 5-6 ft.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to poor  
**Landscape Uses:** Residential street, specimen, shade tree  

**Overall Plant Health:** Fair to poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Canker  
**Disease Severity:** Killed top 18 in. of central leader  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend.
### Scientific Name: Acer saccharum

### Cultivar: Seneca Chief

### Family: Aceraceae

### Common Name: Seneca Chief Sugar Maple

### Source: Schichtel's Nursery

### Quantity observed: 1

### Tnum: 86187

### PI #: -0-

### Observation Date of Plant: 10/8/2012

### Plant Habit: Upright oval

### Plant Height: 40-50 ft.

### Plant Width: 20-30 ft

### Current Seasons Growth: 6-12 in.

### Foliage Color: Medium green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Residential street, specimen, narrow/confined areas

### Overall Plant Health: Good

### Insect Pests: 

### Pest Severity: 

### Plant Disease: 

### Disease Severity: 

### Cultural Problems: 

### Nuisances: 

### Recommended: Yes

### Comments on plant: Dense and uniform branching habit is very attractive.

### Observation Date of Flowers:

### Flower Color: 

### Flower Type: 

### Flower Effect: 

### % of Flower Coverage: 

### Bloom Stage: 

### Fruit Present: 

### Comments on Flowers:

### Fall Color or Fruit: Fall color

### Date of observation: 10/28/2008

### Aesthetics: Excellent

### Persistence: 1-2 weeks

### Fall Color: Golden yellow
Scientific Name: Acer saccharum  
Variety: 
Cultivar: Sisseton  
Family: Aceraceae  
Tnum: 10015
Common Name: Northern Flare Maple
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, narrow/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: n/a
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Persistance: 1-2 weeks
Fall Color: Mostly yellow with a rose blush.

Date of observation: 10/15/2012
Fall Color: Fall color
Persistance: 1-2 weeks
Fall Color: Mostly yellow with a rose blush.
<table>
<thead>
<tr>
<th>Scientific Name: Acer saccharum</th>
<th>Variety:</th>
<th>Tsnum: 04043</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Sugar Cone</td>
<td>Family: Aceraceae</td>
<td></td>
</tr>
<tr>
<td>Common Name: Sugar Cone Maple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source: Schichtel's Nursery</td>
<td>Quantity observed: 2</td>
<td>PI #:</td>
</tr>
<tr>
<td>Observation Date of Plant: 10/9/2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Habit: Columnar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Height: 10-15 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Width: 4-6 ft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Seasons Growth: 6-12 in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color: Medium green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bark Characteristics: Intermediate importance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Summer Texture: Medium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aesthetic Plant Quality: Good</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Uses: Residential street, confined areas, specimen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall Plant Health: Good</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuisances: Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended: Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on plant: Planted in 2004. Growth habit is very uniform.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Acer saccharum
Cultivar: Wright Brothers
Family: Aceraceae
Tsnum: 01002
Common Name: Wright Brothers Maple
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval
Plant Height: 14-16 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: Yes
Recommended: Yes

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 10/21/2011
Aesthetics: Excellent
Persistance: 1-2 weeks
Fall Color: Red, orange
**Scientific Name:** Acer tataricum  
**Family:** Aceraceae  
**Tnum:** 97077  
**Cultivar:**  
**Common Name:** Tatarian Maple  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 1  
**PI #:** Ames 23254

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Young, undefined  
**Plant Height:** 2-4 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 3-4 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen, small confined areas

**Overall Plant Health:** Fair to poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on Plant:** Chlorosis is severe - must not like higher soil pH.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

- **Fall Color or Fruit:** Fall color  
- **Date of observation:** 10/6/2008
- **Aesthetics:** Good  
- **Persistance:** 1-2 weeks
- **Fall Color:** Golden yellow and red
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Acer tataricum</th>
<th>Variety:</th>
<th>-0-</th>
<th>Tnum:</th>
<th>86188</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Family:</td>
<td>Aceraceae</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common Name:</td>
<td>Tatarian Maple</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Schichtel's Nursery</td>
<td>Quantity observed:</td>
<td>1</td>
<td>PI #:</td>
<td>-0-</td>
</tr>
</tbody>
</table>

Observation Date of Plant: 10/9/2012  
Plant Habit: Upright oval  
Plant Height: 28-35 ft.  
Plant Width: 15-20 ft.  
Current Seasons Growth: 6 - 12 in.  

- **Foliage Color:** Medium green  
- **Bark Characteristics:** Intermediate importance  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Fair  
- **Landscape Uses:** Residential street, specimen  

Overall Plant Health: Fair to good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Marginal  
Comments on plant: Not a very uniform canopy due to storm damage. Has numerous suckers.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
### Scientific Name: Acer tataricum
### Variety: Tsnum: 94019
### Cultivar: Actar
### Family: Aceraceae
### Common Name: Summer Splendor Tatarian Maple
### Source: Discover-Tree Research
### Quantity observed: 2

<table>
<thead>
<tr>
<th>Observation Date of Plant</th>
<th>10/4/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit</td>
<td>Irregular</td>
</tr>
<tr>
<td>Plant Height</td>
<td>15-18 ft.</td>
</tr>
<tr>
<td>Plant Width</td>
<td>15 - 20 ft</td>
</tr>
<tr>
<td>Current Seasons Growth</td>
<td>1-4 in.</td>
</tr>
<tr>
<td>Foliage Color</td>
<td>Medium green</td>
</tr>
<tr>
<td>Bark Characteristics</td>
<td>Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture</td>
<td>Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality</td>
<td>Poor</td>
</tr>
<tr>
<td>Landscape Uses</td>
<td>Specimen, small tree</td>
</tr>
<tr>
<td>Overall Plant Health</td>
<td>Poor</td>
</tr>
<tr>
<td>Insect Pests</td>
<td></td>
</tr>
<tr>
<td>Pest Severity</td>
<td></td>
</tr>
<tr>
<td>Plant Disease</td>
<td></td>
</tr>
<tr>
<td>Disease Severity</td>
<td></td>
</tr>
<tr>
<td>Cultural Problems</td>
<td></td>
</tr>
<tr>
<td>Nuisances</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>No</td>
</tr>
</tbody>
</table>

### Observation Date of Flowers:

<table>
<thead>
<tr>
<th>Flower Color</th>
<th>Fall color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Type</td>
<td>Fair</td>
</tr>
<tr>
<td>Flower Effect</td>
<td></td>
</tr>
<tr>
<td>% of Flower Coverage</td>
<td></td>
</tr>
<tr>
<td>Bloom Stage</td>
<td></td>
</tr>
<tr>
<td>Fruit Present</td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td></td>
</tr>
</tbody>
</table>

| Fall Color or Fruit: | Fall Color: yellow |
| Date of observation  | 9/20/2004          |
| Aesthetics:          | Fair               |
| Persistance:         | 2-4 weeks          |
| **Scientific Name:** | Acer tataricum | **Variety:** |  
| **Cultivar:** | Hot Wings | **Family:** | Aceraceae | **Tnum:** | 04025 |  
| **Common Name:** | Hot Wings Tatarian Maple |  
| **Source:** | Fort Collins Nursery | **Quantity observed:** | 1 | **PI #:** |  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval, multistem  
**Plant Height:** 13-18 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen, small confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2004. Deformed by snow damage October 2011.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

<p>| <strong>Fall Color or Fruit:</strong> | <strong>Date of observation:</strong> | <strong>Aesthetics:</strong> | <strong>Persistance:</strong> | <strong>Fall Color:</strong> |<br />
| <strong>Fall Color:</strong> | <strong>Date of observation:</strong> | <strong>Aesthetics:</strong> | <strong>Persistance:</strong> | <strong>Fall Color:</strong> |</p>
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Acer tataricum</th>
<th>Variety:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>JFS-KW2</td>
<td>Family:</td>
<td>Aceraceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Rugged Charm Maple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Irregular, upright

**Plant Height:** 10-15 ft.

**Plant Width:** 6-9 ft.

**Current Seasons Growth:** 10-15 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in 2007. Growth habit is very irregular.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Acer tataricum
Variety: 
Cultivar: Actar
Family: Aceraceae
Tsnm: 10143
Common Name: Hot Wings Tatarian Maple
Source: Garden and Home Show
Quantity observed: 1

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 3-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Acer truncatum

Variety:

Cultivar: Warrenred

Family: Aceraceae

Tnum: 07063

Common Name: Pacific Sunset Shantung Maple

Source: Carlton Plants

Quantity observed: 1

PI #:

Observation Date of Plant: 10/4/2011

Plant Habit: Upright oval

Plant Height: 8-11 ft.

Plant Width: 5-8 ft

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, medium shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. 10/25/11 Suffered moderate breakage and deformity due to snow damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Date of observation:

Aesthetics:

Persistance:

Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Acer truncatum x platanoides</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>JFS-KW202</td>
<td>Family: Aceraceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Crimson Sunset Maple</td>
<td>Tnum:   09013</td>
</tr>
<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed:</td>
</tr>
<tr>
<td>PI #:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/5/2012

**Plant Habit:** Upright oval
**Plant Height:** 6-8 ft.
**Plant Width:** 3-4 ft.
**Current Seasons Growth:** 6-12 in

**Foliage Color:** Dark red
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Medium
**Aesthetic Plant Quality:** Good
**Landscape Uses:** Residential street, specimen, medium shade tree

**Overall Plant Health:** Good
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:** n/a
**Recommended:** n/a

**Comments on plant:** Planted in - 2011 too soon to recommend. Has slight leaf tatter injury.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:**

**Date of observation:**
**Persistance:**
**Scientific Name:** Acer x **Variety:** -0-  
**Cultivar:** Warrenred **Family:** Aceraceae  
**Common Name:** Pacific Sunset Maple  
**Source:** J. Frank Schmidt and Son Co **Quantity observed:** 1  
**Tsum:** 90022

**Observation Date of Plant:** 9/20/2010

**Plant Habit:** Round

**Plant Height:** 25-32 ft.

**Plant Width:** 30-40 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, medium shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Canopy is relatively open.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Acer x freemanii
Variety: 
Cultivar: Bailston
Family: Aceraceae
Tsnum: 10025
Common Name: First Editions® Matador™ Maple
Source: Bailey Nurseries
Quantity observed: 1

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: n/a
Recommended: n/a
Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color:
Date of observation: 
Persistence:
Scientific Name: Acer x freemanii  
Cultivar: Celebration  
Family: Aceraceae  
Common Name: Celebration Maple  
Source: Bailey Nurseries  
Quantity observed: 3  
PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 40-45 ft.
Current Seasons Growth: 10-18 in.

Foliage Color: Light to medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes

Comments on plant: Has slight suckering. Third tree has less vigor probably because it was moved in 2003 due to construction.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 9/29/2009
Aesthetics: Excellent  
Persistance: 1-2 weeks
Fall Color: red, orange
**Scientific Name:** Acer x freemanii  
**Variety:**  
**Cultivar:** DTR 102  
**Family:** Aceraceae  
**Tnum:** 94075  
**Common Name:** Autumn Fantasy Maple  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 30-40 ft.  
**Plant Width:** 24-30 ft.  
**Current Seasons Growth:** 3-6 in.  

**Foliage Color:** Light green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Moved in 2003 due to unavoidable construction. Still trying to regain vigor.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/1/2009  
**Aesthetics:** Excellent  
**Persistance:** 1-2 weeks  
**Fall Color:** Bright rosy red
Tsnum: 91100

Scientific Name: Acer x freemanii
Cultivar: Jeffersred
Family: Aceraceae
Common Name: Autumn Blaze Maple
Source: J. Frank Schmidt and Son Co

Quantity observed: 1
PI #: -0-

Observation Date of Plant: 10/4/2011

Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 2-6 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Growth increments appear very small from the ground. One small branch (<10% of canopy dead from canker).

Observation Date of Flowers:
Flower Color: Fall color
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Persistance: 1-2 weeks
Fall Color: Bright red
Date of observation: 9/20/2004
Scientific Name: Aesculus flava
Variety: " 
Cultivar:
Family: Hippocastanaceae
Tsnum: 06031
Common Name: Yellow Buckeye
Source: J. Frank Schmidt and Son Co
Quantity observed: 3

Observation Date of Flowers: Fall Color or Fruit: 
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers: 
Date of observation: 
Persistance: 
Fall Color: 
Aesthetics: 

Plant Habit: Upright oval
Plant Height: 7-10 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances:
Recommended: Yes

Comments on plant: Planted in 2008. One is leaning a lot due to big bend in trunk halfway up. Second tree has large frost crack on trunk but otherwise looks good. Third tree looks fine.
Scientific Name: Aesculus glabra  
Variety: -0-  
Cultivar: -0-  
Family: Hippocastanaceae  
Tsnun: 78141

Common Name: Ohio Buckeye  
Source: Unknown  
Quantity observed: 2  
PI #: -0-

Observation Date of Plant: 10/11/2011

Plant Habit: Upright oval to round
Plant Height: 20-25 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One specimen is crowded and would be wider if given the space.

Observation Date of Flowers: 5/11/2006

Flower Color: Cream
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: bright orange
Date of observation: 9/20/2004
Persistence: 1-2 weeks
### Scientific Name: Aesculus glabra x octandra  
### Variety: -0-  
### Family: Hippocastanaceae  
### Tsnum: 87189  
### Common Name: Hybrid Buckeye  
### Source: USDA/NC-7, Ames, IA  
### Quantity observed: 1  
### PI #: A7114

#### Observation Date of Plant: 10/11/2011  
#### Plant Habit: Upright oval, pyramidal  
#### Plant Height: 12-16 ft.  
#### Plant Width: 15-20 ft.  
#### Current Seasons Growth: 10-18 in.  

#### Foliage Color: Medium green  
#### Bark Characteristics: Intermediate importance  
#### Plant Summer Texture: Coarse  
#### Aesthetic Plant Quality: Good  
#### Landscape Uses: Residential street, specimen

#### Overall Plant Health: Good  
#### Insect Pests:  
#### Pest Severity:  
#### Plant Disease:  
#### Disease Severity:  
#### Cultural Problems:  
#### Nuisances: Yes  
#### Recommended: Yes  
#### Comments on plant: Growth habit is uniform and very attractive.

#### Observation Date of Flowers: 5/10/2006  
#### Flower Color: Cream  
#### Flower Type: Cluster  
#### Flower Effect: Good  
#### % of Flower Coverage: 30-40%  
#### Bloom Stage: Flowers open  
#### Fruit Present:  
#### Comments on Flowers:  

#### Fall Color or Fruit: Fall color  
#### Date of observation: 10/19/2005  
#### Aesthetics: Excellent  
#### Persistence: 1-2 weeks  
#### Fall Color: orange, red-orange
### Scientific Name: Aesculus hippocastanum

#### Variety: -0-

**Family:** Hippocastanaceae

**Tsnm:** 82187

#### Cultivar: -0-

**Common Name:** Common Horsechestnut

**Source:** Fort Collins Nursery

#### Quantity observed: 1

**PI #:** -0-

---

**Observation Date of Plant:** 10/11/2011

**Plant Habit:** Round

**Plant Height:** 18-22 ft.

**Plant Width:** 18-22 ft.

**Current Seasons Growth:** 10-15 in.

**Foliage Color:** Medium to dark green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Plant width may be wider if not crowded by neighboring trees.

---

**Observation Date of Flowers:** 5/26/2006

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:** No signs of any flowers in 2006.

---

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Aesculus hippocastanum
Cultivar: Baumannii
Family: Hippocastanaceae
Tnum: 99034

Common Name: Baumann Horsechestnut
Source: Carlton Plants
Quantity observed: 2

Observation Date of Plant: 10/11/2011
Plant Habit: Round
Plant Height: 13-20 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large, shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Attractive overall growth habit.

Observation Date of Flowers: 5/15/2006
Flower Color: White with red speckles in center.
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 10-40%
Bloom Stage: Flowers open

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow

Date of observation: 10/6/2008
Persistance: 1-2 weeks

Comments on Flowers: Flowers are large and showy but very few.

Fall Color or Fruit: Fall color
Aesthetics: Good
Persistance: 1-2 weeks

Observation Date of Flowers: 5/15/2006
Flower Color: White with red speckles in center.
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 10-40%
Bloom Stage: Flowers open

Fall Color or Fruit: Fall color
Aesthetics: Good
Persistance: 1-2 weeks

Comments on Flowers: Flowers are large and showy but very few.
### Aesculus parvifolia

**Common Name:** Bottlebrush Buckeye  
**Family:** Hippocastanaceae  
**Scientific Name:** Aesculus parvifolia  
**variety:**  
**Volume:**  
**Tscore:**  
**PI:**  
**Source:** Carlton Plants  
**Quantity observed:** 1  
**Observation Date of Plant:** 10/11/2011  
**Plant Habit:** Young, undefined  
**Plant Height:** 12-18 in.  
**Plant Width:** 6-12 in.  
**Current Seasons Growth:** 6-12 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen, large shade tree  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Died almost to ground from canker but trying to come back.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
### Scientific Name: Aesculus pavia  
### Family: Hippocastanaceae  
### Variety:  
### Tsnum: 08021  
### Common Name: Red Buckeye  
### Source: Carlton Plants  
### Quantity observed: 2  
### PI #:  

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<thead>
<tr>
<th>Observation Date of Plant: 10/11/2011</th>
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<tbody>
<tr>
<td>Plant Habit: Young, undefined</td>
</tr>
<tr>
<td>Plant Height: 4-5 ft.</td>
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<tr>
<td>Plant Width: 3-4 ft.</td>
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<td>Current Seasons Growth: 2-3 ft.</td>
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<table>
<thead>
<tr>
<th>Foliage Color: Medium green</th>
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<tbody>
<tr>
<td>Bark Characteristics: Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture: Coarse</td>
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<tr>
<td>Aesthetic Plant Quality: Good</td>
</tr>
<tr>
<td>Landscape Uses: Specimen, large shade tree</td>
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<table>
<thead>
<tr>
<th>Overall Plant Health: Good</th>
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<tbody>
<tr>
<td>Insect Pests:</td>
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<td>Pest Severity:</td>
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<td>Disease Severity:</td>
</tr>
<tr>
<td>Cultural Problems:</td>
</tr>
<tr>
<td>Nuisances:</td>
</tr>
<tr>
<td>Recommended: Yes</td>
</tr>
</tbody>
</table>

**Comments on plant:** Planted in 2009. Had some damage to trunk from deer grazing that caused it to die down to about 8 in. from ground but is coming back very strong.

### Observation Date of Flowers:  
### Flower Color:  
### Flower Type:  
### Flower Effect:  
### % of Flower Coverage:  
### Bloom Stage:  
### Fruit Present:  
### Comments on Flowers:  

| Fall Color or Fruit:  
|--------------------|
| Aesthetics:  
| Fall Color:  
| Date of observation:  
| Persistance: |
Scientific Name: Aesculus x
Cultivar: Homestead
Family: Hippocastanaceae
Tsunum: 06009
Common Name: Homestead Horse Chestnut
Source: Carlton Plants
Quantity observed: 1

Observation Date of Plant: 10/9/2012
Plant Habit: Round
Plant Height: 6-9 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
**Scientific Name:** Aesculus x arnoldiana

**Variety:**

**Cultivar:** Autumn Splendor

**Family:** Hippocastanaceae

**Tnum:** 02021

**Common Name:** Autumn Splendor Horsechestnut

**Source:** Carlton Plants

**Quantity observed:** 2

**PI #:**

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Round

**Plant Height:** 8-10 ft.

**Plant Width:** 8-12 ft.

**Current Seasons Growth:** 8-14 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:**

**Comments on plant:** One of two had 60% of branches removed by vandals in 2005.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Aesculus x carnea  
**Variety:**  
**Cultivar:** Briotii  
**Family:** Hippocastanaceae  
**Tnum:** 10001  
**Common Name:** Briotii Red Horsechestnut  
**Source:** Carlton Plants  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 10/11/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 6-9 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend. Might have more vigor if in sunnier location.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Alnus glutinosa
Cultivar: -0-  
Family: Betulaceae  
Variety: -0-  
Tnum: 82060
Common Name: Black Alder
Source: Monrovia Growers
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 10/3/2011
Plant Habit: Upright oval
Plant Height: 18-24 ft.
Plant Width: 10 - 15 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, wet areas

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Severe injury
Cultural Problems:
Nuisances: Severe suckering
Recommended: No
Comments on plant: Plant is in severe decline.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:
Fall Color:  
Date of observation:
Persistance:

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Scientific Name: Alnus hirsuta
Cultivar: 
Family: Betulaceae
Variety: 
Tnum: 98063

Common Name: Manchurian Alder
Source: USDA/NC-7, Ames, IA
Quantity observed: 1
PI #: Ames 23248

Observation Date of Plant: 10/3/2011
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Dropped leaves relatively earlier than most without much fall color.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, wet areas

Plant Habit: Upright oval
Plant Height: 10-20 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 8-14 in.
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Alnus hirsuta</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Harbin</td>
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<td>Betulaceae</td>
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<tr>
<td>Common Name:</td>
<td>Prairie Horizon Alder</td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed: 1</td>
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</tbody>
</table>

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Young, undefined  
**Plant Height:** 6-8 ft.  
**Plant Width:** 3-5 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen, wet areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Alnus incana  
Variety: -0-  
Cultivar: -0-  
Family: Betulaceae  
Tnum: 82185  
Common Name: White Alder  
Source: Fort Collins Nursery  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/3/2011  
Plant Habit: Upright oval  
Plant Height: 10-15 ft.  
Plant Width: 6-10 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, wet areas  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease: Leaf spot  
Disease Severity: Moderate injury  
Cultural Problems:  
Nuisances: Slight suckering  
Recommended: No  
Comments on plant: Has relatively low vigor.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Alnus japonica  Variety: -0-  Tsnum: 80352
Cultivar: -0-  Family: Betulaceae  PI #: -0-
Common Name: Japanese Alder
Source: Morris Arboretum  Quantity observed: 1

Observation Date of Plant: 9/16/2010
Plant Habit: Pyramidal becoming upri
Plant Height: 20-25 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 5-10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Small/confined areas, wet areas

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: 10-20% of canopy affected
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Alnus maritima oklahomensis  Variety: Tsnum: 07087
Cultivar: September Sun  Family: Betulaceae
Common Name: September Sun Alder
Source: USDA/NC-7, Ames, IA  Quantity observed: 1  PI #: Ames 27961

Observation Date of Plant: 10/3/2011
Plant Habit: Upright oval
Plant Height: 4-5.5 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wet areas

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Planted in 2008. Has slight chlorosis on about 15% of canopy.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistence:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Alnus serrulata
Cultivar:
Family: Betulaceae
Variety:
Tnum: 07083

Common Name: Smooth Alder
Source: Forrest Keeling Nursery
Quantity observed: 1

Observation Date of Plant: 10/3/2011
Plant Habit: Upright oval
Plant Height: 10-14 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wet areas

Overall Plant Health: Excellent
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Minor suckering
Nuisances:
Recommended: Yes
Comments on plant: Planted Fall of 2007 - easily established. Looks very happy and has impressive vigor.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
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<tr>
<th><strong>Scientific Name:</strong></th>
<th>Amelanchier alnifolia</th>
<th><strong>Variety:</strong></th>
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<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>Smokey</td>
<td><strong>Family:</strong></td>
<td>Rosaceae</td>
</tr>
<tr>
<td><strong>Common Name:</strong></td>
<td>Smokey Serviceberry</td>
<td><strong>Tnum:</strong></td>
<td>04041</td>
</tr>
<tr>
<td><strong>Source:</strong></td>
<td>Schichtel's Nursery</td>
<td><strong>Quantity observed:</strong></td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>9/26/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Upright oval to round</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>6-8.5 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>5-6.5 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>20-30 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Foliage Color:</strong></th>
<th>Medium green</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bark Characteristics:</strong></td>
<td>Not very important</td>
</tr>
<tr>
<td><strong>Plant Summer Texture:</strong></td>
<td>Medium</td>
</tr>
<tr>
<td><strong>Aesthetic Plant Quality:</strong></td>
<td>Good</td>
</tr>
<tr>
<td><strong>Landscape Uses:</strong></td>
<td>Wildlife, specimen, shrub border</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Overall Plant Health:</strong></th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Insect Pests:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Pest Severity:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Plant Disease:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Disease Severity:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Cultural Problems:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Nuisances:</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Recommended:</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Comments on plant:</strong></td>
<td>Planted in 2005.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Observation Date of Flowers:</strong></th>
<th>4/26/2006</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flower Color:</strong></td>
<td>White</td>
</tr>
<tr>
<td><strong>Flower Type:</strong></td>
<td>Cluster</td>
</tr>
<tr>
<td><strong>Flower Effect:</strong></td>
<td>Excellent</td>
</tr>
<tr>
<td><strong>% of Flower Coverage:</strong></td>
<td>90-100%</td>
</tr>
<tr>
<td><strong>Bloom Stage:</strong></td>
<td>Flowers open</td>
</tr>
<tr>
<td><strong>Fruit Present:</strong></td>
<td></td>
</tr>
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| **Comments on Flowers:**         |   |

<table>
<thead>
<tr>
<th><strong>Fall Color or Fruit:</strong></th>
<th>Fall color</th>
</tr>
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<tbody>
<tr>
<td><strong>Aesthetics:</strong></td>
<td>Fair</td>
</tr>
<tr>
<td><strong>Fall Color:</strong></td>
<td>Yellow</td>
</tr>
<tr>
<td><strong>Date of observation:</strong></td>
<td>10/6/2008</td>
</tr>
<tr>
<td><strong>Persistence:</strong></td>
<td>1-2 weeks</td>
</tr>
</tbody>
</table>
### Scientific Name:
- **Amelanchier canadensis**

### Cultivar:
- **Cumulus**

### Family:
- **Rosaceae**

### Common Name:
- **Cumulus Shadblow Serviceberry**

### Source:
- **Pacific Coast Nursery**

### Quantity observed:
- **3**

### Observation Date of Plant:
- **9/17/2012**

### Variety:
- **-0-**

### Tsnum:
- **87105**

### PI #:
- **-0-**

### Plant Habit:
- **Upright oval**

### Plant Height:
- **15-20 ft**

### Plant Width:
- **10-15 ft.**

### Current Seasons Growth:
- **3-6 in.**

### Foliage Color:
- **Medium green**

### Bark Characteristics:
- **Not very important**

### Plant Summer Texture:
- **Medium**

### Aesthetic Plant Quality:
- **Good**

### Landscape Uses:
- **Wildlife, specimen, shrub border**

### Overall Plant Health:
- **Good**

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended:
- **Yes**

### Comments on plant:

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Date of observation:

### Aesthetics:

### Persistance:

### Fall Color:
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<thead>
<tr>
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<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Globe</td>
<td>Family:</td>
<td>Rosaceae</td>
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<tr>
<td>Common Name:</td>
<td>Globe Serviceberry</td>
<td>Tsnm:</td>
<td>04042</td>
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<td>Source:</td>
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<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval to round</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>6-8 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>4-6 in.</td>
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</table>

<table>
<thead>
<tr>
<th>Foliage Color:</th>
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<tr>
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<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, wildlife, confined areas</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall Plant Health:</th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests:</td>
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</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
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<tr>
<td>Plant Disease:</td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
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<tr>
<td>Cultural Problems:</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Planted in 2004. Slight suckering but looks good overall. One of two is getting decay on old trunk wound.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>4/21/2006</th>
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</thead>
<tbody>
<tr>
<td>Flower Color:</td>
<td>White</td>
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<tr>
<td>Flower Type:</td>
<td>Cluster</td>
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<tr>
<td>Flower Effect:</td>
<td>Excellent</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
<td>90-100%</td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Fall color</th>
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</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Good</td>
</tr>
<tr>
<td>Fall Color:</td>
<td>Red/brown</td>
</tr>
<tr>
<td>Date of observation:</td>
<td>10/28/2008</td>
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<tr>
<td>Persistance:</td>
<td>1-2 weeks</td>
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</table>
Scientific Name: Amelanchier grandiflora  
Cultivar: Autumn Brilliance  
Family: Rosaceae  
Common Name: Autumn Brilliance Apple Serviceberry  
Source: Pacific Coast Nursery  
Quantity observed: 5  
PI #: -0-  
Tnum: 87104

Observation Date of Plant: 9/26/2011  
Plant Habit: Upright oval to round  
Plant Height: 12-18 ft.  
Plant Width: 15-20 ft  
Current Seasons Growth: 6-12 in.  
Foliage Color: Medium to light green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Wildlife, specimen, shrub border  
Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Moderate suckering on single stem form.  
Recommended: Yes  
Comments on plant: Birds make fruit disappear quickly.

Observation Date of Flowers: 4/11/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 85-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit: Fall color  
Aesthetics: Good  
Fall Color: orange, red, deep red, purple  
Date of observation: 10/9/2003  
Persistance: 1-2 weeks

Autumn Brilliance Apple Serviceberry
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Amelanchier laevis  
Variety: -0-  
Tnum: 88100

Family: Rosaceae

Common Name: Allegheny Serviceberry

Source: Carlton Plants  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant:  9/26/2011
Plant Habit: Upright oval to round
Plant Height: 18-25 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Nice looking, problem-free tree over many years.

Observation Date of Flowers:  4/11/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 85-95%
Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Golden yellow with dark red
Date of observation: 10/21/2008
Persistance: 1-2 weeks

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<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Amelanchier laevis</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>JFS-ARB</td>
<td>Tnum: 04030</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Spring Flurry Serviceberry</td>
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</tr>
<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td></td>
</tr>
<tr>
<td>Quantity observed:</td>
<td>1</td>
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</tr>
<tr>
<td>Observation Date of Plant:</td>
<td>10/9/2012</td>
<td></td>
</tr>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
<td></td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>4-6 ft.</td>
<td></td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>1-2 in.</td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
<td></td>
</tr>
<tr>
<td>Bark Characteristics:</td>
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<td></td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
<td></td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Wildlife, specimen, small tree</td>
<td></td>
</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Fair to poor</td>
<td></td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
<td></td>
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<tr>
<td>Plant Disease:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Vandals destroyed about half of canopy in 2005. Looks good despite tiny growth increments and low vigor.</td>
<td></td>
</tr>
</tbody>
</table>

| Observation Date of Flowers: |
| Flower Color:                |
| Flower Type:                 |
| Flower Effect:               |
| % of Flower Coverage:        |
| Bloom Stage:                 |
| Fruit Present:               |
| Comments on Flowers:         |

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
</tr>
</tbody>
</table>
Scientific Name: Amelanchier laevis  
Cultivar: Jfs-arb  
Variety:  
Family: Rosaceae  
Tnum: 06032  
Common Name: Spring Flurry Service Berry  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 2

Observation Date of Plant: 9/26/2011

Plant Habit: Upright oval to irregular
Plant Height: 7-9 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 24-36 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Wildlife, specimen, small tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal

Comments on plant: Planted in 2008. Misshapen by snow but shows good vigor and may recover a good form.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Persistance:
Fall Color:
Date of observation:
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Amelanchier laevis</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Rogers</td>
<td>Tnum:</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Lustre Serviceberry</td>
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<tr>
<td>Source:</td>
<td>Carlton Plants</td>
<td>Quantity observed:</td>
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<tr>
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<td>2 PI #:</td>
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<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/9/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>10-12 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>5-8 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>1-4 in.</td>
</tr>
</tbody>
</table>

| Foliage Color: | Medium green |
| Bark Characteristics: | Unimportant |
| Plant Summer Texture: | Medium |
| Aesthetic Plant Quality: | Fair |
| Landscape Uses: | Wildlife, specimen |

| Overall Plant Health: | Fair |
| Insect Pests: | |
| Pest Severity: | |
| Plant Disease: | |
| Disease Severity: | |
| Cultural Problems: | |
| Nuisances: | |
| Recommended: | Marginal |
| Comments on plant: | Would be in better health if not severely vandalized in 2005. Vandalized tree is starting to lean a lot. |

| Observation Date of Flowers: |
| Flower Color: | |
| Flower Type: | |
| Flower Effect: | |
| % of Flower Coverage: | |
| Bloom Stage: | |
| Fruit Present: | |
| Comments on Flowers: | |

<p>| Fall Color or Fruit: | Fall color | Date of observation: |
| Aesthetics: | Fair | Persistance: |
| Fall Color: | burnt orange, burnt red | 10/16/2003 | 1-2 weeks |</p>
<table>
<thead>
<tr>
<th>Scientific Name: Amelanchier laevis</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Snow</td>
<td>Family: Rosaceae</td>
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<tr>
<td>Common Name: Snowcloud Serviceberry</td>
<td>Tnum: 01024</td>
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<tr>
<td>Source: Carlton Plants</td>
<td>Quantity observed: 1</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Upright oval

**Plant Height:** 8 - 10 ft.

**Plant Width:** 5-7 ft.

**Current Seasons Growth:** 4-6 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Wildlife, specimen

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Marginal

**Recommended:** Marginal

**Comments on plant:** 75% of canopy vandalized in 2005.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
<table>
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<th>Scientific Name:</th>
<th>Amelanchier laevis</th>
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<td>Cultivar:</td>
<td>Snowcloud</td>
<td>Family:</td>
<td>Rosaceae</td>
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<tr>
<td>Common Name:</td>
<td>Snowcloud Serviceberry</td>
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<td></td>
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<tr>
<td>Source:</td>
<td>Carlton Plants</td>
<td>Quantity observed:</td>
<td>1</td>
<td>PI #:</td>
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<td>Observation Date of Plant:</td>
<td>10/9/2012</td>
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<tr>
<td>Plant Habit:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Plant Height:</td>
<td>8 - 10 ft.</td>
<td></td>
<td></td>
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<tr>
<td>Plant Width:</td>
<td>4-6 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>1-2 in.</td>
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<tr>
<td>Foliage Color:</td>
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<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
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<tr>
<td>Plant Summer Texture:</td>
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<td>Aesthetic Plant Quality:</td>
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<td>Landscape Uses:</td>
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<tr>
<td>Overall Plant Health:</td>
<td>Fair to poor</td>
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<tr>
<td>Insect Pests:</td>
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<tr>
<td>Pest Severity:</td>
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<tr>
<td>Plant Disease:</td>
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<td></td>
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<tr>
<td>Disease Severity:</td>
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</tr>
<tr>
<td>Cultural Problems:</td>
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<td></td>
</tr>
<tr>
<td>Nuisances:</td>
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<td>Recommended:</td>
<td>No</td>
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<tr>
<td>Comments on plant:</td>
<td>Vigor is low due to unknown cause.</td>
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</table>

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name: Amelanchier laevis</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Snowcloud</td>
<td>Family: Rosaceae</td>
</tr>
<tr>
<td>Common Name: Snowcloud Serviceberry</td>
<td>Tnum: 99004</td>
</tr>
<tr>
<td>Source: J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 1</td>
</tr>
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</table>

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 7 - 9 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen  

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Leaning despite being staked.  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2003.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Amelanchier lamarckii  

Scientific Name: Amelanchier lamarckii  
Cultivar:  
Common Name: Serviceberry  
Source: Carlton Plants  

Variety:  
Family: Rosaceae  
Tnum: 07070  

Quantity observed: 3  
PI #:  

Observation Date of Plant: 9/27/2011  
Plant Habit: Upright, irregular  
Plant Height: 5-7 ft.  
Plant Width: 5-8 ft.  
Current Seasons Growth: 1-3 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Wildlife, specimen, shrub border  

Overall Plant Health: Fair to poor  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Marginal  
Comments on plant: Planted in 2009. Never has established with any vigor and seems to be declining.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  

Date of observation:  
Persistance:  

Page 127 of 1130
### Scientific Name: Amelanchier stolonifera  
**Variety:** -0-  
**Family:** Rosaceae  
**Tsnnum:** 81222

### Common Name: Running Serviceberry

### Source: Smith Nursery Co.

### Quantity observed: 2  
**PI #:** -0-

### Observation Date of Plant: 9/26/2011

### Plant Habit: Upright oval to round

### Plant Height: 8 - 10 ft.

### Plant Width: 12-14 ft

### Current Seasons Growth: 5 - 10 in.

### Foliage Color: Medium green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Fair to good

### Landscape Uses: Wildlife, specimen, shrub border

### Overall Plant Health: Fair

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems: One of two plants getting crowded out by neighboring plants.

### Nuisances: Yes

### Recommended: Yes

### Comments on plant: Spreading slowly by many small suckers. Nice growth habit but has slight chlorosis throughout.

### Observation Date of Flowers: 4/23/2006

### Flower Color: White

### Flower Type: Cluster

### Flower Effect: Excellent

### % of Flower Coverage: 80-90%

### Bloom Stage: Flowers open

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit: Fall color

### Date of observation: 10/9/2003

### Aesthetics: Good

### Persistance: < 1 week

### Fall Color: burnt orange w/ red
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Amelanchier x</th>
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<tbody>
<tr>
<td>Cultivar: Cumulus</td>
<td>Family: Rosaceae</td>
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<td>Common Name: Cumulus Hybrid Serviceberry</td>
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<tr>
<td>Source: Carlton Plants</td>
<td>Quantity observed: 1</td>
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<td>Tsnum: 86110</td>
<td>PI #: -0-</td>
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Observation Date of Plant: 9/27/2011
Plant Habit: Upright oval to round, mu
Plant Height: 12-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen, shrub border
Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate to severe injury
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Appears to be in a decline.

Observation Date of Flowers: 4/20/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Red
Date of observation: 10/6/2008
Persistence: 1-2 weeks
Scientific Name: Amelanchier x  
Variety: -0-  
Cultivar: Regent  
Family: Rosaceae  
Tnum: 83174  
Common Name: Regent Serviceberry  
Source: Bailey Nurseries  
Quantity observed: 2  
PI #: -0-  

Observation Date of Plant: 9/26/2011  
Plant Habit: Upright oval to round, mu  
Plant Height: 8-12 ft.  
Plant Width: 8-12 ft.  
Current Seasons Growth: 4-8 in.  

Foliage Color: Medium green  
Bark Characteristics: Not very important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:

Observation Date of Flowers: 4/23/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 76-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/3/2003  
Aesthetics: Fair  
Persistance: 1-2 weeks  
Fall Color: yellow, brown, red

Page 130 of 1130
Scientific Name: Amelanchier x grandiflora  
Variety: -0-  
Cultivar: Cole  
Family: Rosaceae  
Tsnm: 92057  
Common Name: Cole Serviceberry  
Source: Carlton Plants  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 9/26/2011  
Plant Habit: Upright oval  
Plant Height: 8 - 10 ft.  
Plant Width: 6-8 ft.  
Current Seasons Growth: 1-3 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to poor  
Landscape Uses: Wildlife, specimen  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: No  
Recommended: No  
Comments on plant: Some suckering. Would probably have better vigor in a area with abundant moisture. Canopy is thin/weak.

Observation Date of Flowers: 4/21/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 76-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Aesthetics: Good  
Perstance: 1-2 weeks  
Date of observation: 10/9/2003  
Fall Color: orange, red to purple-green
Scientific Name: Amelanchier x grandiflora
Cultivar: Forest Prince
Family: Rosaceae
Tnum: 04003

Variety: 

Common Name: Forest Prince Serviceberry
Source: Carlton Plants
Quantity observed: 2

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval to round
Plant Height: 6-10 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Vigor and canopy is weak from unknown cause.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
**Scientific Name:** Amelanchier x grandiflora  
**Cultivar:** Robin Hill  
**Family:** Rosaceae  
**Common Name:** Robin Hill Apple Serviceberry  
**Source:** Carlton Plants  
**Quantity observed:** 1  
**Observation Date of Plant:** 9/26/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 8 - 11 ft.  
**Plant Width:** 7-9 ft.  
**Current Seasons Growth:** 2-4 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to poor  
**Landscape Uses:** Wildlife, specimen  
**Overall Plant Health:** Fair to poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Suckering  
**Recommended:** No  
**Comments on plant:** Vigor is low, tree is leaning, growing one sided from unknown cause.

**Observation Date of Flowers:** 4/11/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 60-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:** no  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/6/2008  
**Aesthetics:** Excellent  
**Persistance:** 1-2 weeks  
**Fall Color:** bright red, orange

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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Amorpha canescens</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td></td>
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<tr>
<td>Common Name:</td>
<td>Leadplant Amorpha</td>
<td>97249</td>
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<td>Source:</td>
<td>Fort Collins Nursery</td>
<td>Quantity observed: 2</td>
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**Observation Date of Plant:** 10/21/2011  
**Plant Habit:** Upright oval or irregular  
**Plant Height:** 3-4 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 1 - 3 ft.  

**Foliage Color:** Gray/green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:** 6/26/2006  
**Flower Color:** Purple  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 60-70%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Very showy with tiny orange anthers.

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/9/2003  
**Aesthetics:** Fair  
**Persistance:** 1-2 weeks  
**Fall Color:** yellow, brown
### Scientific Name: Amorpha canescens

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<tbody>
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<tr>
<th>Common Name:</th>
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<tr>
<td>Source:</td>
<td>Denver Botanic Gardens</td>
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<table>
<thead>
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</table>

**Observation Date of Plant:** 9/26/2012

- **Plant Habit:** Upright, irregular
- **Plant Height:** 3 - 4 ft.
- **Plant Width:** 4-6 ft.
- **Current Seasons Growth:** 2 - 3 ft.

- **Foliage Color:** Gray/green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Fine
- **Aesthetic Plant Quality:** Fair
- **Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

5/23/06: 60-80% dead during winter of -16F. In 2010 it seemed to have survived a similar winter without significant dieback. Lodging - not the best growth habit but foliage is attractive.

**Observation Date of Flowers:** 7/15/2003

- **Flower Color:** Purple
- **Flower Type:** Cluster
- **Flower Effect:** Good
- **% of Flower Coverage:** 51-75%
- **Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Amorpha fruticosa

**Cultivar:**

**Family:** Fabaceae

**Common Name:** Indigobush Amorpha

**Source:** Fort Collins Nursery

**Quantity observed:** 2

**Tnum:** 97248

**PI #:**

**Observation Date of Plant:** 9/29/2010

**Plant Habit:** Irregular

**Plant Height:** 3-4.5 ft.

**Plant Width:** 4-6 ft

**Current Seasons Growth:** 1 - 3 ft.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Rejuvenated in 2009.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Amorpha fruticosa  
Variety: -0-  
Cultivar: -0-  
Family: Leguminosae  
Tnum: 78142

Common Name: Bastard Indigo

Source: USDA/NC-7  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Irregular

Plant Height: 6-8 ft.

Plant Width: 6 - 8 ft

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Growth habit is a little too leggy for many landscapes. Would probably look better if not crowded by neighboring plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:  
Date of observation:  
Persistence:  
Aesthetics:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Arctostaphylos x coloradoensis
Cultivar: Panchito
Common Name: Panchito Manzanita
Source: Garden and Home Show

Variety: Ericaceae
Tnum: 11115

Observation Date of Plant: 10/21/2011
Plant Habit: Spreading
Plant Height: 6-9 in.
Plant Width: 18-24 in.
Current Seasons Growth: 4-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2010.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
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<th>Scientific Name:</th>
<th>Aronia melanocarpa</th>
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<tr>
<td>Cultivar:</td>
<td></td>
<td>Tnum: 05019</td>
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<td>Common Name:</td>
<td>Black Chokeberry</td>
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<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
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<td>PI #: 27371</td>
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</table>

**Observation Date of Plant:** 9/27/2011

**Plant Habit:** Young, undefined

**Plant Height:** 3-5 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 2-4 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Poor

**Landscape Uses:** Wildlife, specimen, shrub border

**Overall Plant Health:** Poor

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** No

**Recommended:** No

**Comments on plant:** Planted in 2008. Did not establish much and seems to be declining. Very poor vigor.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Aronia melanocarpa
Variety:

Cultivar: Viking
Family: Rosaceae

Common Name: Viking Chokeberry

Source: Sjulin Nurseries
Quantity observed: 1

Tsum: 97012

Observation Date of Plant: 9/27/2011
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal

Comments on plant: Fruit is 1/2"-3/4" and very plump. Entire plant is moderately chlorotic.

Observation Date of Flowers: 5/8/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Date of observation:
Aesthetics:
Persistance:
Fall Color:
Scientific Name: Aronia melanocarpa elata  
Variety: elata  
Cultivar: -0-  
Family: Rosaceae  
Tsun: 86103  
Common Name: Glossy Black Chokeberry  
Source: Jewell Nursery, Inc.  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 9/27/2011  
Plant Habit: Upright oval  
Plant Height: 7-9 ft  
Plant Width: 6-8 ft.  
Current Seasons Growth: 6-12 in  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Wildlife, specimen, shrub border  

Overall Plant Health: good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/1/2011  
Aesthetics: Good  
Persistence: 1-2 weeks  
Fall Color: Golden yellow
Aronia melonacarpa

Autumn Magic

Medium to dark green

Unimportant

Medium

Fair

Wildlife, specimen, patio tree

Fair

n/a

Planted in 2011 - too soon to recommend.
Scientific Name: Aronia prunifolia
Variety: -0-

Cultivar: -0-  Family: Rosaceae

Common Name: Purple-fruited Chokeberry

Source: Timber Creek Nursery  Quantity observed: 3  PI #: -0-

Tsnum: 85159

Observation Date of Plant: 9/27/2011

Plant Habit: Broad oval

Plant Height: 7-9 ft

Plant Width: 15-20 ft.

Current Seasons Growth: 1-3 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: No

Recommended: No

Comments on plant: All are moderately chlorotic with low vigor. One of three had 85% of canopy dieback and was removed. Second plant is 50% leafless but third looks fairly normal.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:
### Scientific Name: Artemisia versicolor
### Variety: Sea Foam
### Family: Compositae
### Tsnum: 03164
### Source: Fort Collins Nursery
### Quantity observed: 5
### PI #: 03164

**Observation Date of Plant:** 10/21/2011

**Plant Habit:** Creeping (ground cover)

**Plant Height:** 0.5 - 1.5 ft.

**Plant Width:** 3 - 6 ft.

**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Gray

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Ground cover, specimen, xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
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<td>Berberidaceae</td>
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<td>Common Name:</td>
<td>Korean Barberry</td>
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</table>

**Observation Date of Plant:** 10/2/2012

**Plant Habit:** Arching to irregular

**Plant Height:** 5 - 6 ft.

**Plant Width:** 6 - 9 ft

**Current Seasons Growth:** 1 - 3 ft.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Barrier (thorns), Specimen, Shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Rejuvenated in 2011 and growth habit isn't the best yet.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
### Scientific Name: Berberis mentorensis

**Variety:** -0-

**Family:** Berberidaceae

**Tsnum:** 83202

---

**Common Name:** Mentor Barberry

**Source:** Monrovia Growers

**Quantity observed:** 3

**PI #:** -0-

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**Observation Date of Plant:** 10/1/2012

**Plant Habit:** Round

**Plant Height:** 5 - 6 ft.

**Plant Width:** 6-9 ft.

**Current Seasons Growth:** 6-10 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Barrier (thorns), Specimen, Shrub border

---

**Overall Plant Health:** Excellent

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

---

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

---

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Scientific Name: Berberis thunbergia
Cultivar: Cherry Bomb
Family: Berberidaceae
Variety: 
Tsnm: 04009
Common Name: Cherry Bomb Barberry
Source: Monrovia Growers
Quantity observed: 3

Observation Date of Plant: 10/2/2012
Plant Habit: Round to broad oval
Plant Height: 18-30 in.
Plant Width: 2-3 ft.
Current Seasons Growth: 5-8 in.

Foliage Color: Red outer foliage turning to green on the inner foliage
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Would probably look better with more vigor and a more uniform growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Date of observation: 
Persistance: 
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Berberis thunbergii
Variety: -0-
Cultivar: -0-
Family: Globosa Nana Barberry
Tsnum: 91144

Common Name: ‘Globosa Nana’
Source: Oregon Garden Products
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Round to broad oval
Plant Height: 3-4.5 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Foliage is relatively smaller and more delicate looking. Growth habit is more compact.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Berberis thunbergii

Family: Berberidaceae

Tsunum: 84123

Common Name: Japanese Barberry

Source: Jewell Nursery, Inc.

Quantity observed: 1

PI #: -0-

Observation Date of Plant: 10/2/2012

Plant Habit: Round

Plant Height: 3-4 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 4-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Marginal

Recommended:

Comments on plant: This specimen is crowded and would probably look healthier with more space.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/21/2003

Aesthetics: Fair

Persistance: 1-2 weeks

Fall Color: bright yellow, golden yellow
<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Berberis thunbergii</th>
<th><strong>Variety:</strong></th>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>Aureus</td>
<td><strong>Family:</strong></td>
<td>Berberidaceae</td>
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<tr>
<td><strong>Common Name:</strong></td>
<td>Golden Barberry</td>
<td><strong>Tsnm:</strong></td>
<td>96098</td>
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<tr>
<td><strong>Source:</strong></td>
<td>Jewell Nursery, Inc.</td>
<td><strong>Quantity observed:</strong></td>
<td>1</td>
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<tr>
<td><strong>Observation Date of Plant:</strong></td>
<td>9/23/2010</td>
<td><strong>PI #:</strong></td>
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<tr>
<td><strong>Plant Habit:</strong></td>
<td>Round</td>
<td><strong>Plant Height:</strong></td>
<td>15-18 in.</td>
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<tr>
<td><strong>Plant Width:</strong></td>
<td>6-12 in.</td>
<td><strong>Current Seasons Growth:</strong></td>
<td>1-4 in.</td>
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<tr>
<td><strong>Foliage Color:</strong></td>
<td>Yellow to green</td>
<td><strong>Bark Characteristics:</strong></td>
<td>Unimportant</td>
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<tr>
<td><strong>Plant Summer Texture:</strong></td>
<td>Fine</td>
<td><strong>Aesthetic Plant Quality:</strong></td>
<td>Poor</td>
</tr>
<tr>
<td><strong>Landscape Uses:</strong></td>
<td>Specimen, shrub border</td>
<td><strong>Overall Plant Health:</strong></td>
<td>Poor</td>
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<tr>
<td><strong>Insect Pests:</strong></td>
<td></td>
<td><strong>Plant Disease:</strong></td>
<td></td>
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<tr>
<td><strong>Pest Severity:</strong></td>
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<td><strong>Disease Severity:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Plant Disease:</strong></td>
<td></td>
<td><strong>Cultural Problems:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Disease Severity:</strong></td>
<td></td>
<td><strong>Nuisances:</strong></td>
<td></td>
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<tr>
<td><strong>Cultural Problems:</strong></td>
<td></td>
<td><strong>Recommended:</strong></td>
<td>Marginal</td>
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<tr>
<td><strong>Nuisances:</strong></td>
<td></td>
<td><strong>Comments on plant:</strong></td>
<td>May have been in a container too long and has never regained vigor.</td>
</tr>
</tbody>
</table>

**Observation Date of Flowers:**

**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Date of observation:**
**Aesthetics:**
**Persistance:**
**Fall Color:**
<table>
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<tr>
<th>Scientific Name:</th>
<th>Berberis thunbergii</th>
<th>Variety:</th>
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</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Bailone</td>
<td>Family:</td>
<td>Berberidaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Ruby Carousel Barberry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed:</td>
<td>2</td>
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<tr>
<td>Tnum:</td>
<td>95033</td>
<td>PI #:</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/2/2012</th>
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</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Arching, upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>3 - 5 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>6-9 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-12 in.</td>
</tr>
</tbody>
</table>

| Foliage Color:            | Red fading to green |
| Bark Characteristics:     | Unimportant |
| Plant Summer Texture:     | Medium |
| Aesthetic Plant Quality:  | Good |
| Landscape Uses:           | Barrier (thorns), Specimen, Shrub border |

| Overall Plant Health:     | Good |
| Insect Pests:             |      |
| Pest Severity:            |      |
| Plant Disease:            |      |
| Disease Severity:         |      |
| Cultural Problems:        |      |
| Nuisances:                |      |
| Recommended:              | Yes |
| Comments on plant:        |      |

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
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<tbody>
<tr>
<td>Flower Color:</td>
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<tr>
<td>Flower Type:</td>
</tr>
<tr>
<td>Flower Effect:</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
</tr>
<tr>
<td>Bloom Stage:</td>
</tr>
<tr>
<td>Fruit Present:</td>
</tr>
<tr>
<td>Comments on Flowers:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Fall color</th>
</tr>
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<tbody>
<tr>
<td>Aesthetics:</td>
<td>Good</td>
</tr>
<tr>
<td>Fall Color:</td>
<td>bright pinkish red, peach/orange</td>
</tr>
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<table>
<thead>
<tr>
<th>Date of observation:</th>
<th>10/21/2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistance:</td>
<td>1-2 weeks</td>
</tr>
</tbody>
</table>

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Scientific Name: Berberis thunbergii  
Variety: 

Cultivar: Bailtwo  
Family: Berberidaceae  

Common Name: Burgundy Carousel Barberry  

Source: Bailey Nurseries  
Quantity observed: 1  

Tsnum: 95032  

Observation Date of Plant: 10/2/2012  

Plant Habit: Upright, irregular  
Plant Height: 3 - 4.5 ft.  
Plant Width: 3-4 ft.  
Current Seasons Growth: 6 - 12 in.  

Foliage Color: Red  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Marginal  
Comments on plant: Not much vigor after 17 years. May need a fairly moist site.  

Observation Date of Flowers:  

Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Persistance:  
Fall Color:
### Scientific Name: Berberis thunbergii
### Variety: atropurpurea
### Cultivar: Crimson Pygmy  
### Family: Berberidaceae  
### Tsnum: 81102
### Common Name: Crimson Pygmy Japanese Barberry
### Source: Monrovia Growers  
### Quantity observed: 2  
### PI #: -0-

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/1/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>2-3 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>3-4.5 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>4-8 in.</td>
</tr>
</tbody>
</table>

- **Foliage Color:** Red tips (new growth) but mostly medium green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Fine
- **Aesthetic Plant Quality:** Fair to good
- **Landscape Uses:** Specimen, shrub border
- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:**
- **Recommended:** Yes

**Comments on plant:** Nice compact growth habit but not much fruit. One of two plants has less vigor and only looks fair.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

- **Fall Color or Fruit:** Fall color  
- **Aesthetics:** Good  
- **Fall Color:** red and some yellow, bright  
- **Date of observation:** 10/16/2003  
- **Persistence:** 1-2 weeks
**Scientific Name:** Berberis thunbergii  
**Variety:** -0-  
**Cultivar:** Erecta  
**Family:** Berberidaceae  
**Tnum:** 86150  
**Common Name:** Erect Japanese Barberry  
**Source:** Jewell Nursery, Inc.  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Arching, broad oval to ro  
**Plant Height:** 3 - 5 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 12-24 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Barrier (thorns), Specimen, Shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Periodically needs old twigs removed.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistent:**  
**Fall Color:**  

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### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Berberis thunbergii</th>
<th>Variety:</th>
<th>atropurpurea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Gold Ring</td>
<td>Family:</td>
<td>Berberidaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Gold Ring Japanese Barberry</td>
<td></td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
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<tr>
<td>Tsnum:</td>
<td>85095</td>
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</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/2/2012

**Plant Habit:** Round to irregular

**Plant Height:** 3-4.5 ft.

**Plant Width:** 4 - 6 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Red

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair to poor

**Landscape Uses:** Barrier (thorns), Specimen, Shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** Removed about 66% of canopy in 2010 -some that was removed never leafed out after winter but some was old wood from previous years. Still looks like it never grew back in 2012. Gold ring around leaf edge is not too obvious unless

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**

---

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Berberis thunbergii
Variety: -0-
Cultivar: Kobold
Family: Berberidaceae
Tsunum: 81100
Common Name: Kobold Japanese Barberry
Source: Monrovia Growers
Quantity observed: 1

Observation Date of Plant: 10/1/2012

Plant Habit: Broad oval
Plant Height: 2 - 3 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 4 - 8 in.

Foliage Color: Medium green inner foliage with red on outer foliage.
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Red at tips and green foliage occurs further inside the shrub. Growth habit is a little irregular.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Date of observation:
Aesthetics:
Persistance:
Fall Color:
**Scientific Name:** Berberis thunbergii  
**Variety:** -0-  
**Cultivar:** Marshall  
**Family:** Berberidaceae  
**Tnum:** 82099  
**Common Name:** Marshall Japanese Barberry  
**Source:** Cross Nurseries Inc.  
**Quantity observed:** 2  
**PI #:** -0-

**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Round, arching  
**Plant Height:** 5-6 ft.  
**Plant Width:** 6-9 ft.  
**Current Seasons Growth:** 8-16 in.

**Foliage Color:** Red with more green on the inner foliage.  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Barrier (thorns), Specimen, Shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** A solid performer over the years.

**Observation Date of Flowers:**
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/20/2004  
**Aesthetics:** Excellent  
**Persistance:** 2-4 weeks  
**Fall Color:** dark purple
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Berberis thunbergii
Cultivar: Monry
Common Name: Sunsation Barberry
Source: Monrovia Growers

Variety: Tnum: 01044
Family: Berberidaceae

Quantity observed: 3

Observation Date of Plant: 10/1/2012
PI #:

Plant Habit: Upright
Plant Height: 1.5 - 2 ft.
Plant Width: 1.5 - 2 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Lighter green inner foliage with very light yellow/green (nearly white) on outer foliag
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: No
Recommended: No
Comments on plant: Low vigor. Leaves are very tiny. Never seems to have established.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Berberis thunbergii  
Cultivar: Red Chief  
Family: Berberidaceae  
Common Name: Red Chief Barberry  
Source: Oregon Garden Products  
Quantity observed: 3  
PI #: -0-  

Tsnm: 91145

Observation Date of Plant: 10/2/2012  
Plant Habit: Upright, arching  
Plant Height: 4-5 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 10-18 in.  

Foliage Color: Dark red  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: One of three is smaller. Foliage has a relatively narrower shape than most Berberis.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Aesthetics: Good  
Fall Color: bright red w/ red-purple  
Date of observation: 10/9/2003  
Persistance: 1-2 weeks
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Berberis thunbergii</th>
<th>Variety:</th>
<th>atropurpurea</th>
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</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Rose Glow</td>
<td>Family:</td>
<td>Berberidaceae</td>
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<td>Common Name:</td>
<td>Rose Glow Japanese Barbry</td>
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<td>Source:</td>
<td>Monrovia Growers</td>
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<tr>
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<td>PI #:</td>
<td>-0-</td>
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</table>

**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Round  
**Plant Height:** 4-6 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Variegated slightly with lighter red markings, predominantly red  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Barrier (thorns), Specimen, Shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Foliage is red with some variegation which is nice when viewed up close.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Berberis thunbergii</th>
<th>Variety: -0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: True Hedge</td>
<td>Family: Berberidaceae</td>
</tr>
<tr>
<td>Common Name: True Hedge Japanese Barberry</td>
<td>Tnum: 92261</td>
</tr>
<tr>
<td>Source: Greenleaf Nursery Co.</td>
<td>Quantity observed: 1</td>
</tr>
<tr>
<td>Observation Date of Plant: 10/1/2012</td>
<td>PI #: -0-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plant Habit: Upright, arching</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Height: 4-5 ft.</td>
</tr>
<tr>
<td>Plant Width: 3-6 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth: 6-12 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foliage Color: Dark red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bark Characteristics: Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture: Fine</td>
</tr>
<tr>
<td>Aesthetic Plant Quality: Good</td>
</tr>
<tr>
<td>Landscape Uses: Specimen, shrub border</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall Plant Health: Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests:</td>
</tr>
<tr>
<td>Pest Severity:</td>
</tr>
<tr>
<td>Plant Disease:</td>
</tr>
<tr>
<td>Disease Severity:</td>
</tr>
<tr>
<td>Cultural Problems:</td>
</tr>
<tr>
<td>Nuisances:</td>
</tr>
<tr>
<td>Recommended: Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Color:</td>
</tr>
<tr>
<td>Flower Type:</td>
</tr>
<tr>
<td>Flower Effect:</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
</tr>
<tr>
<td>Bloom Stage:</td>
</tr>
<tr>
<td>Fruit Present:</td>
</tr>
<tr>
<td>Comments on Flowers:</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of observation:</td>
</tr>
<tr>
<td>Aesthetics:</td>
</tr>
<tr>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
</tr>
</tbody>
</table>
Scientific Name: Berberis x
Cultivar: Concorde
Family: Berberidaceae
Tnum: 02048

Common Name: Concorde Barberry
Source: Greenleaf Nursery Co.
Quantity observed: 1

Observation Date of Plant: 10/2/2012
Plant Habit: Round
Plant Height: 8-15 in.
Plant Width: 8-16 in.
Current Seasons Growth: 2 - 4 in.

Foliage Color: Predominantly red fading to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in arboretum in 2003. Still fairly small in 2012 but the plant is starting to show good health and better vigor.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Scientific Name: Berberis x
Variety: -0-
Cultivar: Emerald Carrousel  Family: Berberidaceae
Common Name: Emerald Carrousel Barberry
Source: Bailey Nurseries  Quantity observed: 2  PI #: -0-  

Observation Date of Plant: 10/2/2012
Plant Habit: Round to broad oval
Plant Height: 5 - 6 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Excellent
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Showy flowers in spring and very showy fruit in fall and winter. One of the best looking plants in the arboretum.

Observation Date of Flowers: 4/24/2012
Flower Color: Yellow
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 95-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/10/2004
Aesthetics: Good  Persistance: 1-2 weeks
Fall Color: bright red, orangish pink
Berbis thunbergii
Helmond Pillar
Helmond Pillar Barberry
Carlton Plants

Scientific Name: Berbis thunbergii
Cultivar: Helmond Pillar
Family: Berberidaceae
Common Name: Helmond Pillar Barberry
Source: Carlton Plants

Variety: n/a
Tnum: 06070

Quantity observed: 2
PI #:

Observation Date of Plant: 10/1/2012
Plant Habit: Columnar
Plant Height: 3-4 ft.
Plant Width: 12-18 in.
Current Seasons Growth: 6-10 in.

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, barrier

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
### Betula glandulosa

**Scientific Name:** Betula glandulosa  
**Family:** Betulaceae  
**Tsum:** 78027  
**Variety:** -0-  
**Common Name:** Dwarf Birch  
**Source:** USDA/NC-7  
**PI #:** PI232552  
**Quantity observed:** 1  

**Plant Habit:** Broad oval  
**Plant Height:** 7-9 ft.  
**Plant Width:** 10-15 ft  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Shrub border, wet areas  

**Observation Date of Plant:** 10/3/2011  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

---

**Observation Date of Flowers:** 10/6/2008  
**Flower Color:** Fall color  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Yellow  
**Date of observation:** 10/6/2008  
**Aesthetics:** Fair  
**Persistance:** 1-2 weeks
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<th>Scientific Name:</th>
<th>Betula jacquemontii</th>
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<td>Variety:</td>
<td></td>
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<tr>
<td>Tsnum:</td>
<td>10005</td>
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<td>Cultivar:</td>
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<td>Family:</td>
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<tr>
<td>Common Name:</td>
<td>Whitebarked Himalayan Birch</td>
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<tr>
<td>Source:</td>
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</tr>
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<td>Quantity observed:</td>
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<td>PI #:</td>
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<tr>
<td>Observation Date of Plant:</td>
<td>10/3/2011</td>
</tr>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>3-4 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>12-18 in.</td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
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<tr>
<td>Bark Characteristics:</td>
<td>Important</td>
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<td>Plant Summer Texture:</td>
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<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, wet areas</td>
</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
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<tr>
<td>Pest Severity:</td>
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<td>Disease Severity:</td>
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<td>Cultural Problems:</td>
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</tr>
<tr>
<td>Nuisances:</td>
<td>n/a</td>
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<tr>
<td>Recommended:</td>
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<tr>
<td>Comments on plant:</td>
<td>Planted in 2011 - too soon to recommend.</td>
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</table>

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
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<th>-0-</th>
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<td>-0-</td>
<td>Family:</td>
<td>Betulaceae</td>
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<tr>
<td>Common Name:</td>
<td>Sweet Birch</td>
<td>Tsnm:</td>
<td>89165</td>
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<tr>
<td>Source:</td>
<td>Schichtel's Nursery</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>-0-</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/3/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Round to upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>10 - 15 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>14-18 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-10 in.</td>
</tr>
</tbody>
</table>

| Foliage Color:         | Medium green |
| Bark Characteristics:  | Intermediate importance |
| Plant Summer Texture:  | Medium |
| Aesthetic Plant Quality: | Good |
| Landscape Uses:       | Specimen, wet areas |

| Overall Plant Health:  | Good |
| Insect Pests:          |       |
| Pest Severity:        |       |
| Plant Disease:        |       |
| Disease Severity:     |       |
| Cultural Problems:    | Inadequate irrigation system. |
| Nuisances:            |       |
| Recommended:          | Yes |
| Comments on plant:    |       |

| Observation Date of Flowers: |       |
| Flower Color:                |       |
| Flower Type:                 |       |
| Flower Effect:               |       |
| % of Flower Coverage:        |       |
| Bloom Stage:                 |       |
| Fruit Present:               |       |
| Comments on Flowers:         |       |

| Fall Color or Fruit:      | Fall color |
| Date of observation:     | 10/10/2011 |
| Aesthetics:              | Good       |
| Persistance:             | 1-2 weeks  |
| Fall Color:              | golden yellow |
Scientific Name: Betula occidentalis  Variety: -0-  Tsnum: 90052
Cultivar: -0-  Family: Betulaceae
Common Name: Water Birch
Source: USDA/NC-7, Ames, IA  Quantity observed: 1  PI #: pi495882

Observation Date of Plant: 10/3/2011
Plant Habit: Multistemmed, upright
Plant Height: 2-3 ft.
Plant Width: 1-2 ft
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Native planting, shrub border, wet areas

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Rejuvenated in 2010. Slow to recover but wasn't in best of health prior.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/6/2008
Aesthetics: Good  Persistance: 1-2 weeks
Fall Color: golden yellow
Scientific Name: Betula papyrifera  
Cultivar: -0-  
Family: Betulaceae  
Common Name: Paper Birch  
Source: Alaska Plant Material Center  
Quantity observed: 2  
PI #: -0-  
Tsnm: 78048

**Observation Date of Plant:** 10/3/2011
**Plant Habit:** Upright oval to round
**Plant Height:** 22-28 ft.
**Plant Width:** 20-30 ft.
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Important
**Plant Summer Texture:** Medium
**Aesthetic Plant Quality:** Good
**Landscape Uses:** Specimen, large shade tree

**Overall Plant Health:** good
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:** Yes
**Recommended:** Yes
**Comments on plant:** Tree is a little crowded and could use more irrigation.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/6/2008
**Aesthetics:** Good  
**Persistance:** 1-2 weeks
**Fall Color:** Yellow
### Betula papyrifera

**Scientific Name:** Betula papyrifera  
**Cultivar:** Varen  
**Family:** Betulaceae  
**Variety:**  
**Tnum:** 03020  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 2  
**PI #:** 26922  

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 10-13 ft.  
**Plant Width:** 6-8 ft.  
**Current Seasons Growth:** 12-24 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, large shade tree, moist areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Slight suckering  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2004. Possible signs of borer holes near base.

**Observation Date of Flowers:** 10/6/2008  
**Flower Color:** Fall color  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** golden yellow  
**Date of observation:** 10/6/2008  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:**
### Scientific Name: Betula pendula
### Common Name: European White Birch
### Variety:  
### Family: Betulaceae
### Tnum: 97078
### Scientific Name: Betula pendula
### Common Name: European White Birch
### Variety:  
### Family: Betulaceae
### Tnum: 97078

**Scientific Name:** Betula pendula  
**Common Name:** European White Birch  
**Variety:**  
**Family:** Betulaceae  
**Tnum:** 97078

---

### Observation Date of Plant: 10/3/2011
### Plant Habit: Upright oval to pyramidal
### Plant Height: 18-22 ft.
### Plant Width: 12-18 ft
### Current Seasons Growth: 6-12 in.

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Upright oval to pyramidal  
**Plant Height:** 18-22 ft.  
**Plant Width:** 12-18 ft  
**Current Seasons Growth:** 6-12 in.

---

**Foliage Color:** Dark green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Residential street, specimen, moist areas

**Foliage Color:** Dark green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Residential street, specimen, moist areas

---

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Top 20% of tree appears off color and wilting due to unknown cause but may be related to time of year.

---

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

---

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/21/2003  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** yellow
**Scientific Name:** Betula pendula  
**Cultivar:** 25493  
**Family:** Betulaceae  
**Tnum:** 03022  
**Common Name:** European White Birch  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 1  
**PI #:** 25493

**Observation Date of Plant:** 10/3/2011

**Plant Habit:** Upright oval

**Plant Height:** 10-15 ft.

**Plant Width:** 15-20 ft.

**Current Seasons Growth:** 20-24 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Important

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Poor to fair

**Landscape Uses:** Specimen, wet areas

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** No

**Comments on plant:** Planted in arboretum in 2004. Top 25-30% died out from unknown causes but it might be borers since there are some borer holes in trunk. Rest of the tree looks very nice.
### Scientific Name: Betula pendula
**Cultivar:** Laciniata  
**Family:** Betulaceae  
**Tsum:** 99021  
**Variety:**

### Common Name: Cutleaf Weeping Birch
**Source:** Femrite Nursery Company  
**Quantity observed:** 2  
**PI #:**

### Observation Date of Plant: 7/8/2011
**Plant Habit:** Upright oval, weeping  
**Plant Height:** 23-30 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 1 - 2 ft.

**Foliage Color:** Dark green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, large shade tree

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Has light chlorosis on 30% of tips but not very noticeable.

### Observation Date of Flowers:
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Date of observation:**  
**Persistance:**  
**Fall Color:**

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Page 173 of 1130
Scientific Name: Betula utilis  
Cultivar: Madison  
Family: Betulaceae  
Tnum: 07051  
Variety:  
Common Name: White Satin Birch  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/3/2011
Plant Habit: Upright oval  
Plant Height: 10-15 ft.  
Plant Width: 5-7 ft.  
Current Seasons Growth: 10-15 in.  

Foliage Color: Medium green  
Bark Characteristics: Important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, large shade tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: yes  
Recommended: yes  
Comments on plant: Planted in arboretum in 2009.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
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<th><strong>Scientific Name:</strong> Betula x</th>
<th><strong>Variety:</strong> Crimson Frost</th>
<th><strong>Family:</strong> Betulaceae</th>
<th><strong>Tnum:</strong> 96133</th>
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<td><strong>Cultivar:</strong> Crimson Frost</td>
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<tr>
<td><strong>Common Name:</strong> Crimson Frost Birch</td>
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<td><strong>Source:</strong> Schichtel's Nursery</td>
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<td><strong>Plant Habit:</strong> Weeping</td>
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<td><strong>Plant Height:</strong> 25-30 ft.</td>
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<td><strong>Plant Width:</strong> 12-17 ft.</td>
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<tr>
<td><strong>Current Seasons Growth:</strong> 8-15 in.</td>
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<td><strong>Aesthetic Plant Quality:</strong> Good</td>
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<td><strong>Landscape Uses:</strong> Specimen, large shade tree</td>
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<td><strong>Overall Plant Health:</strong> good</td>
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<td><strong>Insect Pests:</strong> borers</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pest Severity:</strong> Minor injury</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Plant Disease:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Disease Severity:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cultural Problems:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Nuisances:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recommended:</strong> Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Comments on plant:</strong> Lost two other trees in areas not as moist as the perennial garden, which gets more irrigation during the winter. Otherwise borers will kill it off if not kept moist.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Flowers:**
| **Flower Color:** |                     |
| **Flower Type:** |                     |
| **Flower Effect:** |                   |
| **% of Flower Coverage:** |                   |
| **Bloom Stage:** |                     |
| **Fruit Present:** |                  |
| **Comments on Flowers:** |                  |

**Fall Color or Fruit:**
| **Date of observation:** |                     |
| **Aesthetics:** |                     |
| **Persistance:** |                     |
| **Fall Color:** |                     |
### Scientific Name: Betula x
### Variety: -0-
### Cultivar: Rockimon
### Family: Betulaceae
### Tnum: 90024
### Common Name: Rocky Mountain Splendor Birch
### Source: J. Frank Schmidt and Son Co
### Quantity observed: 1
### PI #: -0-

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 20-24 ft.  
**Plant Width:** 15 - 18 ft.  
**Current Seasons Growth:** 6 - 12 in.

- **Foliage Color:** Medium green  
- **Bark Characteristics:** Important  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Good  
- **Landscape Uses:** Specimen, large shade tree

### Overall Plant Health: Good

**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:** Yes  
**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/9/2003  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** pale golden yellow
Scientific Name: Buddleia alternifolia
Cultivar:
Family: Loganiaceae
Tnum: 97243
Common Name: Fountain Butterfly Bush
Source: Fort Collins Nursery
Quantity observed: 1

Observation Date of Flowers: 6/1/2006
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 75-85%
Bloom Stage: Flowers open

Fall Color or Fruit: 
Aesthetics: 
Date of observation: 
Persistance: 
Fall Color:

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Doesn't look too good after flowering but eventually recovers good aesthetics.

Observation Date of Plant: 10/21/2011
Plant Habit: Broad oval
Plant Height: 5-6 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Gray/green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen, xeriscape, shrub border

Fall Color:
Aesthetics: 
Date of observation: 
Persistance: 
Fall Color:
### Buxus Green Mountain Boxwood

- **Scientific Name:** Buxus
- **Cultivar:** Green Mountain
- **Family:** Buxaceae
- **Common Name:** Green Mountain Boxwood
- **Source:** Greenleaf Nursery Co.
- **Quantity observed:** 3
- **Tnum:** 98086
- **PI #:**

#### Observation Details
- **Observation Date of Plant:** 11/9/2012
- **Plant Habit:** Upright oval
- **Plant Height:** 3-4 ft.
- **Plant Width:** 2-3 ft.
- **Current Seasons Growth:** 3 - 6 in.
- **Foliage Color:** Dark green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Fine
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Hedge, Shrub border

#### Overall Health
- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:**
- **Recommended:** Yes
- **Comments on plant:** Turned reddish/brown/bronze in winter.

#### Flower Details
- **Observation Date of Flowers:** 10/21/2003
- **Flower Color:** Fall color
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**
- **Comments on Flowers:**
- **Fall Color or Fruit:** burnt orange, deep rust
- **Aesthetics:** Fair
- **Persistance:** 1-2 weeks
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Buxus microphylla</th>
<th>Variety:</th>
<th>koreana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Family:</td>
<td>Buxaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Korean Boxwood</td>
<td>Tnum:</td>
<td>81194</td>
</tr>
<tr>
<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PI #:</td>
<td>-0-</td>
</tr>
<tr>
<td>Observation Date of Plant:</td>
<td>11/9/2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Habit:</td>
<td>Upright oval becoming ro</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Height:</td>
<td>3-4 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>3-5 ft.</td>
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<td></td>
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<tr>
<td>Current Seasons Growth:</td>
<td>2-4 in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Fine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Hedge, specimen, shrub border</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
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<td></td>
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<tr>
<td>Pest Severity:</td>
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<tr>
<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
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<tr>
<td>Cultural Problems:</td>
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<tr>
<td>Nuisances:</td>
<td></td>
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<td></td>
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<tr>
<td>Recommended:</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>This plant may need more sun - growth habit is becoming too open.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Flowers:**

| Flower Color: |                  |
| Flower Type:  |                  |
| Flower Effect:|                  |
| % of Flower Coverage: |      |
| Bloom Stage:  |                  |
| Fruit Present:|                  |
| Comments on Flowers: |                  |

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
</tr>
</tbody>
</table>
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Buxus microphylla</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Julia Jane</td>
<td>Family: Buxaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Julia Jane Boxwood</td>
<td>Tnum: 97258</td>
</tr>
<tr>
<td>Source:</td>
<td>Fort Collins Nursery</td>
<td>Quantity observed: 2</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/21/2011  
**Plant Habit:** Upright oval to round  
**Plant Height:** 2-4 ft.  
**Plant Width:** 2-4 ft.  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Hedge, specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** January 2006 - still a good dark green color.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
### Scientific Name: Buxus microphylla
### Variety: koreana
### Cultivar: Wintergreen  
### Family: Buxaceae
### Common Name: Wintergreen Boxwood
### Source: Synnestvedt Nursery  
### Quantity observed: 2  
### Tnum: 85145

#### Observation Date of Plant: 11/9/2012
#### Plant Habit: Broad oval
#### Plant Height: 2-3 ft.
#### Plant Width: 3-4 ft.
#### Current Seasons Growth: 2-3 in.

#### Foliage Color: Medium green
#### Bark Characteristics: Unimportant
#### Plant Summer Texture: Fine
#### Aesthetic Plant Quality: Good
#### Landscape Uses: Hedge, Shrub border

#### Overall Plant Health: Good
#### Insect Pests: 
#### Pest Severity: 
#### Plant Disease: 
#### Disease Severity: 
#### Cultural Problems: 
#### Nuisances: 
#### Recommended: Yes

#### Comments on plant: Looks okay but foliage is not as shiny and attractive as some other cultivars.

#### Observation Date of Flowers:
#### Flower Color: 
#### Flower Type: 
#### Flower Effect: 
#### % of Flower Coverage: 
#### Bloom Stage: 
#### Fruit Present: 
#### Comments on Flowers:

#### Fall Color or Fruit: 
#### Aesthetics: 
#### Date of observation:
#### Persistance:
#### Fall Color: 

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Page 181 of 1130
**Scientific Name:** Buxus microphylla  
**Variety:** -0-  
**Tsunum:** 90043  
**Cultivar:** Wintergreen  
**Family:** Buxaceae  
**Common Name:** Wintergreen Boxwood  
**Source:** Bailey Nurseries  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 11/9/2012  
**Plant Habit:** Broad oval  
**Plant Height:** 1-2 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 2-4 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Plants in more sun have better growth habit.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
**Scientific Name:** Buxus microphylla asiaticum  
**Variety:**  
**Cultivar:** Gregem  
**Family:** Buxaceae  
**Tsnum:** 08124  
**Common Name:** Baby Gem Boxwood  
**Source:** Greenleaf Nursery Co.  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 11/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 3-4.5 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2008. Has much more vigor than the other Buxus in the collection.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
### Buxus x Green Velvet

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Variety</th>
<th>Tsnum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buxus x</td>
<td>-0-</td>
<td>92125</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Cultivar</th>
<th>Family</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Velvet</td>
<td>Buxaceae</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Source</th>
<th>Quantity observed</th>
<th>PI #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Velvet Boxwood</td>
<td>Bailey Nurseries</td>
<td>1</td>
<td>-0-</td>
</tr>
</tbody>
</table>

- **Observation Date of Plant:** 11/9/2012
- **Plant Habit:** Broad oval, irregular
- **Plant Height:** 3-4 ft.
- **Plant Width:** 3-4 ft.
- **Current Seasons Growth:** 2-4 in.
- **Foliage Color:** Dark green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Fine
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Hedge, Shrub border
- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:**
- **Recommended:** Yes
- **Comments on plant:**

---

**Observation Date of Flowers:**

- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**
- **Comments on Flowers:**

**Fall Color or Fruit:**

- **Date of observation:**
- **Persistance:**
- **Fall Color:**
**Scientific Name:** Caragana arborescens  
**Variety:** -0-  
**Family:** Verbenaceae  
**Tsnum:** 78145  
**Cultivar:** -0-  
**Common Name:** Siberian Peashrub  
**Source:** USDA/NC-7  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 9/26/2012  
**Plant Habit:** Broad oval or irregular  
**Plant Height:** 9-12 ft.  
**Plant Width:** 18-25 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Canker  
**Disease Severity:** Slight injury  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Too big for most landscapes.  

**Observation Date of Flowers:** 5/15/2006  
**Flower Color:** Yellow  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 26-50%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Only flowering on inner half of the plant.  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/20/2004  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** yellow
<table>
<thead>
<tr>
<th>Scientific Name: Caragana arborescens</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Walker</td>
<td>Family:</td>
</tr>
<tr>
<td></td>
<td>Leguminosae</td>
</tr>
<tr>
<td>Common Name: Walker Weeping Caragana</td>
<td>Tsnm:</td>
</tr>
<tr>
<td>Source: Bailey Nurseries</td>
<td>94042</td>
</tr>
<tr>
<td>Quantity observed: 1</td>
<td>PI #:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant: 9/27/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit: Weeping</td>
</tr>
<tr>
<td>Plant Height: 3 - 4.5 ft.</td>
</tr>
<tr>
<td>Plant Width: 3-4 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth: 6 - 12 in.</td>
</tr>
</tbody>
</table>

**Foliage Color:** Light green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Has 1-2 branches that have died but still looks a little leggy overall.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
### Scientific Name: Caragana frutex

**Variety:** -0-  
**Family:** Leguminosae  
**Tsnm:** 89145

### Common Name: Russian Peashrub

### Source: Jewell Nursery, Inc.

### Quantity observed: 3  
**PI #:** -0-

### Observation Date of Plant: 9/27/2012

### Plant Habit: Upright oval to round

### Plant Height: 5-9 ft.

### Plant Width: 6-9 ft.

### Current Seasons Growth: 3-6 in.

### Foliage Color: Medium green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Fine

### Aesthetic Plant Quality: Fair

### Landscape Uses: Specimen, xeriscape, shrub border

### Overall Plant Health: Fair

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended: Yes

**Comments on plant:** One of three was rejuvenated and has come back like a thicket - better vigor but not too attractive.

### Observation Date of Flowers: 5/15/2006

### Flower Color: Yellow

### Flower Type: Cluster

### Flower Effect: Good

### % of Flower Coverage: 51-60%

### Bloom Stage: Flowers open

### Fruit Present:

### Comments on Flowers:

### Date of observation: 

### Persistance: 

### Fall Color or Fruit: 

### Aesthetics: 

### Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Caragana frutex
Variety: -0-
Tsun: 93118

Family: Fabaceae

Common Name: Russian Peashrub

Source: USDA/NC-7, Ames, IA
Quantity observed: 1
PI #: 13823

Observation Date of Plant: 9/27/2012

Observation Date of Flowers:

Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:

Persistance:

Vigor is low but better than in 2010. Half of plant is chlorotic with brown margins.
Scientific Name: Caragana frutex  
Cultivar: Grandiflora  
Family: Leguminosae  
Common Name: Russian Peashrub  
Source: USDA, Cheyenne  
Quantity observed: 1  
PI #: -0-  

Tsnum: 83284

Observation Date of Plant: 9/27/2012
Plant Habit: Upright oval
Plant Height: 2-3 ft.
Plant Width: 1-3 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No
Comments on plant: Seems to have some disease the affects individual stems with wilting then death. By the end of the growing season the plant was only alive with a few new sprouts at the base. Will probably be dead next year.

Observation Date of Flowers: 4/20/2006
Flower Color: Yellow
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Date of observation:
Fall Color:
**Scientific Name:** Caragana maximowicziana  
**Variety:** -0-  
**Cultivar:** -0-  
**Family:** Leguminosae  
**Tsunum:** 78146  
**Common Name:** Maximowicz Peashrub  
**Source:** USDA/NC-7  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 9/27/2012  
**Plant Habit:** Broad oval  
**Plant Height:** 3-4 ft.  
**Plant Width:** 6-9 ft  
**Current Seasons Growth:** 1 - 2 ft.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Barrier, Specimen, xeriscape, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Attractive fine foliage. Rejuvenated in 2009. Nice dense growth habit.

**Observation Date of Flowers:** 5/22/2006  
**Flower Color:** Yellow  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 60-70%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/20/2004  
**Aesthetics:** Fair  
**Persistance:** 2-4 weeks  
**Fall Color:** yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Caragana rosea
Cultivar:  
Common Name: Red Pea Shrub
Source: USDA/NC-7, Ames, IA

Variety:  
Family: Fabaceae

Tnum: 00054
Quantity observed: 2
PI #: -

Observation Date of Plant: 9/27/2012
Plant Habit: Broad oval
Plant Height: 2-3 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Marginal

Comments on plant: Never has been very attractive even with flowers. One plant has poor vigor from unknown cause. Growth habit is a little leggy.

Observation Date of Flowers: 4/26/2006
Flower Color: Yellow with blush of maroon
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open
Fruit Present: 
Comments on Flowers: Maroon in color on outside of throat. Not enough flowers or color to be as showy as the typical Caragana.

Fall Color or Fruit: Fall color
Date of observation: 10/10/2004
Aesthetics: Good
Persistance: 1-2 weeks
Fall Color: Yellow
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Carpinus betulus</th>
<th>Variety:</th>
<th>Tsnum: 04036</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td></td>
<td>Family:</td>
<td>Betulaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>European Hornbeam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
<td>Quantity observed: 1</td>
<td>PI #:</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/3/2011

**Plant Habit:** Young, undefined

**Plant Height:** 3-4 ft.

**Plant Width:** 3-4 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Growth habit deformed by earlier canker and subsequent pruning.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Carpinus betulus
Variety: -0-
Cultivar: Fastigiata  Family: Betulaceae
Common Name: Pyramidal European Hornbeam
Source: J. Frank Schmidt and Son Co Quantity observed: 2

Observation Date of Plant: 10/3/2011
Plant Habit: Upright oval to pyramidal
Plant Height: 18-25ft.
Plant Width: 20-25 ft
Current Seasons Growth: 8-12 in

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Very formal growth habit - very little or no pruning is needed.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color Date of observation: 10/21/2003
Aesthetics: Good Persistance: 1-2 weeks
Fall Color: golden yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Carpinus betulus</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>JFS-KW1 CB</td>
<td>Family:</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Emerald Avenue Hornbeam</td>
<td>Tsum:</td>
</tr>
<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/3/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Narrow, upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>1-2 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-9 in.</td>
</tr>
</tbody>
</table>

| Foliage Color: | Medium green |
| Bark Characteristics: | Unimportant |
| Plant Summer Texture: | Medium |
| Aesthetic Plant Quality: | Good |
| Landscape Uses: | Specimen, narrow areas |

| Overall Plant Health: | Good |
| Insect Pests:         | |
| Pest Severity:        | |
| Plant Disease:        | |
| Disease Severity:     | |
| Cultural Problems:    | |
| Nuisances:            | n/a |
| Recommended:          | n/a |
| Comments on plant:    | Planted in 2011 - too soon to recommend. |

| Observation Date of Flowers: |
| Flower Color:                |
| Flower Type:                 |
| Flower Effect:               |
| % of Flower Coverage:        |
| Bloom Stage:                 |
| Fruit Present:               |
| Comments on Flowers:         |

| Fall Color or Fruit: | Date of observation: |
| Aesthetics:          | Persistance:         |
| Fall Color:          |                         |
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Carpinus betulus</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Pendula</td>
<td>Family:</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Weeping European Hornbeam</td>
<td>Betulaceae</td>
</tr>
<tr>
<td>Source:</td>
<td>Carlton Plants</td>
<td>Tnum:</td>
</tr>
<tr>
<td>Quantity observed:</td>
<td>2</td>
<td>PI #:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/3/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Round, weeping</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>7-9 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>8-10 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>10-15 in.</td>
</tr>
</tbody>
</table>

| Foliage Color:            | Dark green |
| Bark Characteristics:     | Not very important |
| Plant Summer Texture:     | Medium |
| Aesthetic Plant Quality:  | Good |
| Landscape Uses:           | Specimen, small/confined areas |

| Overall Plant Health:     | Good |
| Insect Pests:             |       |
| Pest Severity:            |       |
| Plant Disease:            |       |
| Disease Severity:         |       |
| Cultural Problems:        |       |
| Nuisances:                | Slight suckering |
| Recommended:              | Yes |
| Comments on plant:        | Canopy died back 50% during first winter - temperature reached -16F. No significant dieback since then. Doesn't seems to be weeping much. |

| Observation Date of Flowers: |
| Flower Color:                |       |
| Flower Type:                 |       |
| Flower Effect:               |       |
| % of Flower Coverage:        |       |
| Bloom Stage:                 |       |
| Fruit Present:               |       |
| Comments on Flowers:         |       |

| Fall Color or Fruit:        |       |
| Aesthetics:                 |       |
| Fall Color:                 |       |

Date of observation:    Persistance:
Scientific Name: Carpinus caroliniana  
Variety: -0-  
Cultivar: -0-  
Family: Betulaceae  
Tsnm: 87098
Common Name: American Hornbeam
Source: Carlton Plants  
Quantity observed: 3  
PI #: -0-

Observation Date of Plant: 10/3/2011
Plant Habit: Round
Plant Height: 15-20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Minor suckering
Recommended: Yes
Comments on plant: Nice shape and controlled growth.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 10/6/2008
Aesthetics: Good  
Persistence: 1-2 weeks
Fall Color: Mostly yellow, some red
Scientific Name: Carya laciniosa
Cultivar:   Family: Juglandaceae
Common Name: Shellbark Hickory
Source: Forrest Keeling Nursery
Quantity observed: 1

Tsun: 09055

Observation Date of Plant: 10/4/2011
Plant Habit: Young, undefined
Plant Height: 3-4 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: n/a
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Scientific Name: Caryopteris incana
Cultivar: -0-
Family: Verbenaceae
Common Name: Bluebeard
Source: Inter-State Nursery
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 9/20/2012
Plant Habit: Broad oval
Plant Height: 3-4 ft.
Plant Width: 6-7 ft
Current Seasons Growth: 8-14 in.

Foliage Color: Gray/green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in 2009. Looks great on very minimal irrigation.

Observation Date of Flowers: 8/25/2006
Flower Color: Lavender/blue
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Fruit Present: no
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
### Scientific Name: Caryopteris x clandonensis

**Variety:**

**Cultivar:** Blue Knoll  
**Family:** Verbenaceae  
**Tnum:** 98050

**Common Name:** Blue Knoll Bluebeard

**Source:** Sjulin Nurseries  
**Quantity observed:** 1

**Observation Date of Plant:** 9/20/2012

**Plant Habit:** Broad oval

**Plant Height:** 3-4 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Gray/green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

---

**Observation Date of Flowers:** 8/25/2006

**Flower Color:** Lavender/blue

**Flower Type:** Cluster

**Flower Effect:** Good

**% of Flower Coverage:** 70-80%

**Bloom Stage:** Flowers open

**Fruit Present:** no

**Comments on Flowers:**

---

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
**Scientific Name:** Caryopteris x clandonensis  
**Variety:** -0-  
**Cultivar:** Dark Knight  
**Family:** Verbenaceae  
**Tnum:** 88156  
**Common Name:** Dark Knight Blue-mist Spiraea  
**Source:** Jewell Nursery, Inc.  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 9/20/2012  
**Plant Habit:** Broad oval  
**Plant Height:** 2-3 ft.  
**Plant Width:** 5-6 ft.  
**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Gray/green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Rejuvenated in 2009.

**Observation Date of Flowers:** 8/25/2006  
**Flower Color:** Lavender/blue  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 70-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:** no  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Caryopteris x clandonensis

Family: Verbenaceae

Cultivar: Worcester Gold

Common Name: Worcester Gold Bluebeard

Source: Bailey Nurseries

Quantity observed: 1

Plant Habit: Broad oval, mounding

Plant Height: 3-4 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Yellow/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Doing well for being on the edge of the arboretum.

Observation Date of Flowers: 8/25/2006

Flower Color: Lavender/blue

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers:

Fall Color or Fruit: 

Aesthetics: 

Date of observation: 

Persistance:

Fall Color:
Scientific Name: Catalpa ovata

Variety: -0-

Cultivar: -0-

Family: Bignoniaceae

Tsun: 78147

Common Name: Chinese Catalpa

Source: Western Evergreen Nursery

Quantity observed: 1

PI #: -0-

Observation Date of Plant: 9/20/2011

Plant Habit: Upright oval to irregular

Plant Height: 30-35 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 10-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large/shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Yes

Recommended: Yes

Comments on plant: Fruit is smaller on this tree than on Catalpa speciosa. Would probably be wider if it had more space.

Observation Date of Flowers: 6/19/2006

Flower Color: Light Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Date of observation:

Persistance:

Fall Color:
**Scientific Name:** Catalpa ovata  
**Variety:** -0-  
**Family:** Bignoniaceae  
**Tscnum:** 85024  
**Common Name:** Chinese Catalpa  
**Source:** US Nat'l Arboretum  
**Quantity observed:** 2  
**PI #:** NA53230

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>9/20/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Upright oval</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>32-40 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>20-25 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>1 - 2 ft.</td>
</tr>
</tbody>
</table>

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, large/shade tree

**Overall Plant Health:** Good to fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Canopy is a little one sided due to crowding.

**Observation Date of Flowers:** 6/26/2006  
**Flower Color:** Light Yellow  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 40-50%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**  
**Persistance:**
### Scientific Name: Catalpa speciosa

**Family:** Bignoniaceae

<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong> Catalpa speciosa</th>
<th><strong>Variety:</strong> -0-</th>
<th><strong>Tsnm:</strong> 78148</th>
</tr>
</thead>
</table>

| **Common Name:** Northern Catalpa |

| **Source:** Fort Collins Nursery | **Quantity observed:** 1 | **PI #:** -0- |

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong> 9/20/2011</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Plant Habit:</strong> Upright oval to irregular</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Plant Height:</strong> 40-50 ft.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Plant Width:</strong> 30-40 ft.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Current Seasons Growth:</strong> 1 - 1.5 ft.</th>
</tr>
</thead>
</table>

| **Foliage Color:** Medium green |

<table>
<thead>
<tr>
<th><strong>Bark Characteristics:</strong> Intermediate importance</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Plant Summer Texture:</strong> Coarse</th>
</tr>
</thead>
</table>

| **Aesthetic Plant Quality:** Good |

| **Landscape Uses:** Specimen, large/shade tree |

| **Overall Plant Health:** Good |

| **Insect Pests:** |

| **Pest Severity:** |

| **Plant Disease:** |

| **Disease Severity:** |

| **Cultural Problems:** |

| **Nuisances:** |

| **Recommended:** Yes |

| **Comments on plant:** |

<table>
<thead>
<tr>
<th><strong>Observation Date of Flowers:</strong> 6/19/2006</th>
</tr>
</thead>
</table>

| **Flower Color:** White |

| **Flower Type:** Cluster |

| **Flower Effect:** Excellent |

| **% of Flower Coverage:** 50-60% |

| **Bloom Stage:** Flowers open |

| **Fruit Present:** no |

| **Comments on Flowers:** |

| **Fall Color or Fruit:** Fall color |

| **Date of observation:** 9/20/2004 |

| **Aesthetics:** Fair |

| **Date of observation:** 9/20/2004 |

| **Fall Color:** yellow |

| **Persistance:** 2-4 weeks |

| **Date of observation:** 9/20/2004 |
Scientific Name: Catalpa x erubescens
Variety: japonica
Cultivar: -0-
Family: Bignoniaceae
Tsun: 81298
Common Name: Japanese Hybrid Catalpa
Source: Denver Botanic Gardens
Quantity observed: 1
PI #: 75-718

Observation Date of Plant: 9/20/2011
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 10 - 20 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large/shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/19/2006
Flower Color: Light Yellow
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-60%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
### Scientific Name: Celtis **Variety:**

**Cultivar:** JFS-KSU1 **Family:** Ulmaceae  
**Common Name:** Prairie Sentinel Hackberry  
**Source:** J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

### Observation Date of Plant: 8/27/2012

**Plant Habit:** Upright oval  
**Plant Height:** 7-8 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 6-8 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, shade tree  

**Overall Plant Health:** Fair  
**Insect Pests:** Nipple gall  
**Pest Severity:** Severe - aesthetics affected  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Planted in 2011 - too soon to recommend.

### Observation Date of Flowers:

**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
**Scientific Name:** Celtis  
**Variety:**  
**Cultivar:** Magnifica  
**Family:** Ulmaceae  
**Tnum:** 06033  

**Common Name:** Magnifica Hackberry  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 7-9 ft.  
**Plant Width:** 3-5 ft.  
**Current Seasons Growth:** 1-2 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Street tree for urban or residential areas  

**Overall Plant Health:** Poor  
**Insect Pests:** Nipple gall  
**Pest Severity:** Slight injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Planted in 2008. Slow to establish.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

<table>
<thead>
<tr>
<th><strong>Fall Color or Fruit</strong></th>
<th><strong>Date of observation</strong></th>
<th><strong>Fall Color</strong></th>
<th><strong>Aesthetics</strong></th>
<th><strong>Persistance</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall color</td>
<td>9/23/2009</td>
<td>Light yellow</td>
<td>Fair</td>
<td>1-2 weeks</td>
</tr>
</tbody>
</table>
Scientific Name: Celtis laevigata
Variety:

Family: Ulmaceae

Cultivar:

Common Name: Sugar Hackberry

Source: Schichtel's Nursery

Quantity observed: 3

Tsnum: 04044

PI #:

Observation Date of Plant: 9/17/2012

Plant Habit: Upright oval to irregular

Plant Height: 8-14 ft.

Plant Width: 7-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, shade tree

Overall Plant Health: Fair

Insect Pests: Nipple gall

Pest Severity: Extensive injury one of three trees - affects aesthetics

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2004. There is significant twig dieback to suggest it has some issues with hardiness on one tree. About half of canopy died back on one tree in 2010. Other trees look okay.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/5/2009

Aesthetics: Fair

Persistance: 1-2 weeks

Fall Color: Light yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Celastrus occidentalis
Variety: Tnum: 97060

Cultivar: Family: Ulmaceae
Common Name: Hackberry
Source: Forrest Keeling Nursery
Quantity observed: 2

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, shade tree

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Planted in arboretum in 2004.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Celtis occidentalis  
Family: Ulmaceae  
Common Name: Common Hackberry  
Source: Colorado Nurseryman  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 9/20/2012

Plant Habit: Irregular to upright oval
Plant Height: 25-30 ft.
Plant Width: 25-30 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Street tree for urban or residential areas

Overall Plant Health: Good
Insect Pests: Galls
Pest Severity: Severe aesthetic problem.
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Has 10-20% of canopy as dead twigs that need to be pruned out - not sure about cause of death.

Observation Date of Flowers:
Flower Color: Fall color
Flower Type: 
Flower Effect: fair to poor yellow
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 10/4/2004
Aesthetics: Fair  
Persistance: 1-2 weeks
Fall Color: fair to poor yellow
Scientific Name: Celtis occidentalis  
Cultivar: Prairie Pride  
Family: Ulmaceae  
Common Name: Prairie Pride Hackberry  
Source: Discover-Tree Research  
Quantity observed: 1  
PI #: -0-  

Tsnm: 85137

Observation Date of Plant: 9/30/2010
Plant Habit: Round
Plant Height: 25-30 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Insect Pests: Nipple galls
Pest Severity: Aesthetics affected

Fall Color: yellow  
Persistance: 2-4 weeks  
Date of observation: 9/20/2004  
Aesthetics: Good  

Comments on Flowers:
Observation Date of Flowers:
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:
Scientific Name: Celtis occidentalis
Cultivar: Ultrazam
Family: Ulmaceae
Common Name: Ultra Hackberry
Source: Femrite Nursery Company
Quantity observed: 1

Observation Date of Plant: 8/27/2012
Plant Habit: Upright oval
Plant Height: 5-6 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Street tree for urban or residential areas

Overall Plant Health: fair to poor
Insect Pests: Nipple gall
Pest Severity: Moderate injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: No
Recommended: No
Comments on plant: Planted in 2011. Top half of tree died during first winter to about five feet from ground.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Scientific Name: Cercidiphyllum japonicum  
Variety:  
Cultivar:  
Family: Cercidiphyllaceae  
Tnum: 98075  
Common Name: Katsuratree  
Source: Schichtel's Nursery  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 8/25/2011  
Plant Habit: Upright oval  
Plant Height: 10-14 ft.  
Plant Width: 8-10 ft.  
Current Seasons Growth: 10-15 in.  

Foliage Color: Blue/green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, small/confined areas  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  

Comments on plant: This tree is a replacement and planted in 2003. Vigor is increasing as it has become established.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

Page 213 of 1130
**Scientific Name:** Cercidiphyllum japonicum  
**Variety:**  
**Cultivar:** -0-  
**Family:** Cercidiphyllaceae  
**Tsunum:** 81304  
**Common Name:** Katsura Tree  
**Source:** Denver Botanic Gardens  
**Quantity observed:** 1  
**PI #:** PN1429  

**Observation Date of Plant:** 8/25/2011  
**Plant Habit:** Narrow pyramidal  
**Plant Height:** 24-28 ft.  
**Plant Width:** 18-22 ft  
**Current Seasons Growth:** 8- 12 in.  

**Foliage Color:** Blue/green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Leaves smell like toasted marshmallows or brown sugar right before they drop in the fall - very unique and pleasing.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Aesthetics:** Good  
**Date of observation:** 10/9/2003  
**Persistance:** 1-2 weeks  
**Fall Color:** golden yellow with red petioles
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Cercidiphyllum japonicum
Cultivar: Morioka Weeping
Family: Cercidiphyllaceae
Tsum: 07040
Common Name: Morioka Weeping Katsura Tree
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 8/25/2011
Plant Habit: Weeping
Plant Height: 7-8 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2010. Too soon to recommend. Has some dieback on about 20% of tree from unknown cause but suspect canker.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Cercis canadensis  
Variety: -0-  
Family: Leguminosae  
Tnum: 78007  

Common Name: Eastern Redbud  
Source: Rose Lake Plant Material  
Quantity observed: 4  
PI #: -0-  

Observation Date of Plant: 9/9/2012  
Plant Habit: Spreading  
Plant Height: 10 - 20 ft.  
Plant Width: 20-30 ft.  
Current Seasons Growth: 6 - 12 in.  
Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Foliage is very attractive.

Observation Date of Flowers: 4/26/2006  
Flower Color: Lavender  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 90-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers: 

Fall Color or Fruit: Fall color  
Date of observation: 10/9/2003  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: yellow
**2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center**  
**Colorado State University, Fort Collins, Colorado**

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**Scientific Name:** Cercis canadensis  
**Cultivar:** Hearts of Gold PP17740  
**Family:** Fabaceae  
**Variety:**  
**Tsnum:** 12063  
**Common Name:** Hearts of Gold Eastern Redbud  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 9/28/2012  
**Plant Habit:** Round  
**Plant Height:** 5-6 ft.  
**Plant Width:** 3-5 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Mostly light to medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen

**Overall Plant Health:** Fair to good  
**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Just planted in 2012 - too soon to recommend. One of two got a little leaf scorch during heat of summer.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
**Scientific Name:** Cercocarpus brevifolius  
**Variety:**  
**Cultivar:**  
**Family:** Rosaceae  
**Tnum:** 97260  
**Common Name:** Mountain Mahogany  
**Source:** Fort Collins Nursery  
**Quantity observed:** 4  
**PI #:**

**Observation Date of Plant:** 9/26/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 7-8 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 10-15 in.  

**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Appears to be semi-evergreen.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
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<td>Common Name:</td>
<td>Curleaf Mountain Mahogany</td>
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<td>Source:</td>
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**Observation Date of Plant:** 9/28/2011

**Plant Habit:** Irregular, upright
**Plant Height:** 10 - 15 ft.
**Plant Width:** 15-20 ft.
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Dark green
**Bark Characteristics:** Intermediate importance
**Plant Summer Texture:** Fine
**Aesthetic Plant Quality:** Good
**Landscape Uses:** Specimen, native planting, xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Yes
**Comments on plant:** Bark is attractive silver-gray on a mature plant when pruned into a small tree. Evergreen foliage.

**Observation Date of Flowers:**

**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Date of observation:**
**Aesthetics:**
**Persistance:**
**Fall Color:**
## Scientific Name: Cercocarpus montanus

### Variety: -0-

### Tsnum: 78019

### Family: Rosaceae

### Common Name: Mountain Mahoghany

### Source: Los Lunas Plant Material

### Quantity observed: 3

### PI #: -0-

### Observation Date of Plant: 9/28/2011

### Plant Habit: Irregular to broad oval

### Plant Height: 8 - 10 ft.

### Plant Width: 10 - 15 ft.

### Current Seasons Growth: 6-12 in.

### Foliage Color: Medium green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Fine

### Aesthetic Plant Quality: Fair to poor

### Landscape Uses: Specimen, native planting, xeriscape, shrub border

### Overall Plant Health: Fair to poor

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems: Other plants block irrigation.

### Nuisances:

### Recommended: Yes

### Comments on plant: Looks inferior to C. ledifolius. Growth habit may have been somewhat flattened out by spring snow in 2003. Looks a little leggy. Parts of canopy look scorched and thin.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Date of observation:

### Aesthetics:

### Persistance:

### Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Chaenomeles japonica  
Variety: -0-  
Family: Rosaceae  
Tsnnum: 82241

Common Name: Japanese Flowering Quince

Source: American Nursery Product/Mi  
Quantity observed: 2  
PI #: -0-

Observation Date of Plant: 9/28/2011

Plant Habit: Broad oval
Plant Height: 8 - 12 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of two was rejuvenated in 2011. Second plant is moderately chlorotic.

Observation Date of Flowers: 4/26/2006

Flower Color: Red/Pink
Flower Type: Single
Flower Effect: Fair
% of Flower Coverage: 20-30%
Bloom Stage: Flowers open

Fruit Present:
Comments on Flowers: Seems to be fewer than average flowers this year for unknown reason.

Fall Color or Fruit:  
Date of observation: 
Aesthetics: Persistance: 
Fall Color:
**Scientific Name:** Chamaebatiaria millefolium  
**Variety:**  
**Cultivar:**  
**Family:** Rosaceae  
**Tnum:** 97267  
**Common Name:** Fernbush  
**Source:** Fort Collins Nursery  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 10/21/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 4-5 ft.  
**Plant Width:** 6-8 ft.  
**Current Seasons Growth:** 12-24 in.  
**Foliage Color:** Medium to light green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border, Xeriscape  
**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Foliage has a very unique shape and fragrant when bruised.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
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<td>Cultivar:</td>
<td>Gekko Hiba</td>
<td>Family:</td>
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**Observation Date of Plant:** 11/9/2012

**Plant Habit:** Irregular or somewhat py

**Plant Height:** 5-7 ft.

**Plant Width:** 8-12 ft

**Current Seasons Growth:** 3-6 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:**

**Comments on plant:** Growth habit is a little open. Central leader dying back due to shading from nearby tree.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

Scientific Name: Chamaecyparis lawsoniana  
Variety: -0-  
Tsunum: 80141

Cultivar: Triomf Van Boskoop  
Family: Cupressaceae  
Tsunum: 80141

Common Name: Triomf Van Boskoop Lawson False Cypress  
Cultivar: Triomf Van Boskoop  
Common Name: Triomf Van Boskoop Lawson False Cypress  
Cultivar: Triomf Van Boskoop

Source: USDA/NC-7, Ames, IA  
Quantity observed: 1  
PI #: PI414760

Observation Date of Plant: 11/9/2012

Plant Habit: Pyramidal

Plant Height: 12-16 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes

Comments on plant: This tree is crowded by nearby plants and would probably be wider in a normal landscape.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:  
Persistance:

Aesthetics:  
Date of observation:  
Fall Color:
**Scientific Name:** Chamaecyparis obtusa  
**Variety:** -0-  
**Cultivar:** Gracilis  
**Family:** Cupressaceae  
**Tnum:** 92254  
**Common Name:** Slender Hinoki Cypress  
**Source:** Monrovia Growers  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 11/9/2012  
**Plant Habit:** Irregular, weeping  
**Plant Height:** 3 - 6 ft.  
**Plant Width:** 2-4 ft.  
**Current Seasons Growth:** 3-5 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** This plant is in a shady location and may do better in more sun. Vigor is low everywhere except central leader. Has unique character in the growth habit.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Chamaecyparis pisifera
Cultivar: Boulevard
Family: Cupressaceae
Common Name: Boulevard Japanese Falsecypress
Source: Monrovia Growers

Variety: -0-
Tsun: 93101
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 11/15/2012
Plant Habit: Irregular
Plant Height: 4-5 ft.
Plant Width: 18-30 in.
Current Seasons Growth: 1 - 2 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: No
Recommended: No
Comments on plant: A lot of dead needles plus low vigor create a very unattractive plant.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Chamaecyparis pisifera  
Variety: -0-  
Cultivar: Cyanoviridis  
Family: Cupressaceae  
Tnum: 89040  
Common Name: Boulevard Cypress  
Source: Oregon Garden Products  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 11/9/2012  
Plant Habit: Upright oval becoming ir  
Plant Height: 3 - 5 ft.  
Plant Width: 3-5 ft.  
Current Seasons Growth: 1 - 3 in.  

Foliage Color: Blue/green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Poor  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Poor  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: No  
Recommended: No  
Comments on Plant: Has a lot of die back starting from the inside.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persist ance:
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<td>Cupressaceae</td>
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<td>Common Name:</td>
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<td>Amfac Nurseries California</td>
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</table>

**Observation Date of Plant:** 11/9/2012

**Plant Habit:** Irregular

**Plant Height:** 5 - 6 ft.

**Plant Width:** 7-10 ft.

**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Yellow/green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** This plant has graceful, pendulous branch tips.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Chionanthus retusus

<table>
<thead>
<tr>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tsnum: 05011</td>
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</table>

<table>
<thead>
<tr>
<th>Cultivar:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family: Oleaceae</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Common Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Fringe Tree</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source:</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. Frank Schmidt and Son Co</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quantity observed:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/30/2011

<table>
<thead>
<tr>
<th>Plant Habit:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Young, undefined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plant Height:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-6 ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plant Width:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-5 ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Current Seasons Growth:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-6 in.</td>
</tr>
</tbody>
</table>

**Foliage Color:** Dark green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in arboretum in 2005. Looks healthy but not a lot of growth - possibly in too much shade. One of two had central leader broken from unknown cause but was not too surprising since they look a little thin and spindly.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Chioranthus virginicus</th>
<th>Variety: -0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: -0-</td>
<td>Family: Oleaceae</td>
</tr>
<tr>
<td>Common Name: Old Man's Beard</td>
<td>Tnum: 89163</td>
</tr>
<tr>
<td>Source: Schichtel's Nursery</td>
<td>Quantity observed: 3</td>
</tr>
</tbody>
</table>

Observation Date of Plant: 9/30/2011

<table>
<thead>
<tr>
<th>Plant Habit: Upright</th>
<th>Plant Height: 6-10 ft.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Foliage Color: Medium green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bark Characteristics: Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture: Coarse</td>
</tr>
<tr>
<td>Aesthetic Plant Quality: Fair</td>
</tr>
<tr>
<td>Landscape Uses: Specimen, shrub border</td>
</tr>
</tbody>
</table>

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two of three plants have much weaker growth. May be in too much shade.

Observation Date of Flowers: 6/2/2003

<table>
<thead>
<tr>
<th>Flower Color: White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Type: Cluster</td>
</tr>
<tr>
<td>Flower Effect: Excellent</td>
</tr>
<tr>
<td>% of Flower Coverage: 76-100%</td>
</tr>
<tr>
<td>Bloom Stage: Flowers open</td>
</tr>
</tbody>
</table>

Fruit Present:

Comments on Flowers: Very delicate looking.
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Chrysothamnus nauseosus nauseous
Cultivar: Family: Asteraceae
Common Name: Baby Blue Rabbitbrush
Source: Plant Select
Quantity observed: 3

Tsnum: 11117

Observation Date of Plant: 10/21/2011
Plant Habit: Spreading
Plant Height: 6-12 in.
Plant Width: 1-2 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Blue /gray
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, xeriscape

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: n/a
Recommended: n/a
Comments on plant: Just planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
### Scientific Name: Cladrastis kentukea
### Variety: Perkins Pink
### Family: Fabaceae
### Tsnum: 08023
### Common Name: Pink Flowering Yellowwood
### Source: Carlton Plants
### Quantity observed: 1
### Observation Date of Plant: 9/28/2012

### Plant Habit: Upright oval
### Plant Height: 8-10 ft.
### Plant Width: 6-8 ft.
### Current Seasons Growth: 12-18 in.

### Foliage Color: Medium green
### Bark Characteristics: Intermediate importance
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Good
### Landscape Uses: Specimen, large shade tree

### Overall Plant Health: Good
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems:
### Nuisances: Marginal
### Recommended: Marginal
### Comments on plant: Looks good but canker on trunk may cause problems soon.

### Observation Date of Flowers:
### Flower Color:
### Flower Type:
### Flower Effect:
### % of Flower Coverage:
### Bloom Stage:
### Fruit Present:
### Comments on Flowers:

### Fall Color or Fruit:
### Aesthetics:
### Fall Color: 

### Date of observation:
### Persistance:
Scientific Name: Cladrastis lutea
Variety: -0-
Cultivar: -0-  
Family: Leguminosae  
Tsun: 86019
Common Name: Yellowwood
Source: Minnesota Landscape Arbore  Quantity observed: 2
PI #: -0-

Observation Date of Plant: 10/1/2012
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests: Borers
Pest Severity: Slight injury
Plant Disease: Canker on one of two trees
Disease Severity: Moderate injury
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: A nice looking tree that is under-used for this area.

Observation Date of Flowers: 5/24/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 85-100%
Bloom Stage: Flowers open

Fall Color or Fruit: Fall color
Date of observation: 10/28/2008
Aesthetics: Good
Persistance: 1-2 weeks
Fall Color: Golden yellow
**Scientific Name:** Cladrastis lutea  
**Variety:** 
**Cultivar:** Perkins Pink  
**Family:** Leguminosae  
**Tnum:** 02023  
**Common Name:** Pink Flowering Yellowwood  
**Source:** Carlton Plants  
**Quantity observed:** 1 

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 8-10 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 12-18 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, large shade tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Canker  
**Disease Severity:** Severe injury  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:**  
**Comments on plant:** Severely vandalized in 2005 - lost 50%-70% of canopy. Survivor is deformed by canker but has good vigor in 2012.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Cornus
Cultivar: Bud's Yellow
Family: Cornaceae
Common Name: Bud's Yellow Dogwood
Source: Bailey Nurseries
Quantity observed: 2

Variety: -0-
Tsnm: 92112

Observation Date of Plant: 10/8/2012
Plant Habit: Broad oval
Plant Height: 4 - 6 ft.
Plant Width: 8-10 ft
Current Seasons Growth: 2-6 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate injury
Cultural Problems: Getting too much shade from nearby plants.
Nuisances:
Recommended: Marginal
Comments on plant: Would look better with periodic pruning to remove old branches and more sun.

Observation Date of Flowers: 6/2/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open

Fruit Present:
Comments on Flowers:
Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Cornus alba</th>
<th>Variety:</th>
<th>-0-</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Sibirica</td>
<td>Family:</td>
<td>Cornaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Siberian Dogwood</td>
<td></td>
<td></td>
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<tr>
<td>Source:</td>
<td>Jewell Nursery, Inc.</td>
<td>Quantity observed:</td>
<td>1</td>
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<tr>
<td>Observation Date of Plant:</td>
<td>10/8/2012</td>
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<td></td>
</tr>
<tr>
<td>Plant Habit:</td>
<td>Round to broad oval</td>
<td></td>
<td></td>
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<tr>
<td>Plant Height:</td>
<td>5-6 ft.</td>
<td></td>
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<tr>
<td>Plant Width:</td>
<td>6-8 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>12-18 in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bark Characteristics:</td>
<td>Important</td>
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<td></td>
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<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
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<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
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<td></td>
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<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border, erosion control</td>
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<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
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<td></td>
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<tr>
<td>Insect Pests:</td>
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<tr>
<td>Pest Severity:</td>
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<tr>
<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
<td></td>
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<tr>
<td>Cultural Problems:</td>
<td></td>
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<td></td>
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<tr>
<td>Nuisances:</td>
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<td>Recommended:</td>
<td>Yes</td>
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<tr>
<td>Observation Date of Flowers:</td>
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</tr>
<tr>
<td>Flower Color:</td>
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<tr>
<td>Flower Type:</td>
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<tr>
<td>Flower Effect:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Bloom Stage:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Color or Fruit:</td>
<td>Fall color</td>
<td>Date of observation:</td>
<td>10/19/2004</td>
</tr>
<tr>
<td>Aesthetics:</td>
<td>Good</td>
<td>Persistance:</td>
<td>1-2 weeks</td>
</tr>
<tr>
<td>Fall Color:</td>
<td>Yellow/cream</td>
<td></td>
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</tbody>
</table>
Scientific Name: Cornus alternifolia  
Cultivar: -0-  
Family: Cornaceae  
Common Name: Pagoda Dogwood  
Source: Bailey Nurseries  
Quantity observed: 2  
Tsnum: 81151  
PI #: -0-

Observation Date of Plant: 10/8/2012
Plant Habit: Broad oval or round
Plant Height: 8-10 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Branching habit is very interesting after the leaves drop. One of two plants has canker affecting about 10% of canopy top and decreasing appearance.

Observation Date of Flowers: 5/31/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-85%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  
Aesthetics: Good
Fall Color: Mostly dark purple/red with some rose/red and

Date of observation: 10/6/2008
Persistence: 1-2 weeks
### Scientific Name: Cornus alternifolia
### Variety:
### Cultivar: W. Stackman
### Family: Cornaceae
### Tnum: 08123

### Common Name: Golden Shadows Dogwood

### Source: Greenleaf Nursery Co.
### Quantity observed: 2

### Observation Date of Plant: 10/5/2012

### Plant Habit: Upright, irregular
### Plant Height: 3-4 ft.
### Plant Width: 3-4 ft.
### Current Seasons Growth: 2-4 in.

### Foliage Color: Variegated, med. green/white
### Bark Characteristics: Intermediate importance
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Fair
### Landscape Uses: Specimen, shrub border

### Overall Plant Health: Fair
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems:
### Nuisances:
### Recommended: Marginal

### Comments on plant: Slow to gain vigor - probably from inadequate irrigation at edge of arboretum. Planted in 2009.

### Observation Date of Flowers:
### Flower Color:
### Flower Type:
### Flower Effect:
### % of Flower Coverage:
### Bloom Stage:
### Fruit Present:
### Comments on Flowers:

### Fall Color or Fruit:
### Aesthetics:
### Date of observation:
### Persistance:
### Fall Color:
Scientific Name: Cornus amomum obliqua  
Variety:  
Family: Cornaceae  
Tnum: 98066  

Common Name: Pale Dogwood

Source: USDA/NC-7, Ames, IA  
Quantity observed: 2  
PI #: Ames 13698

Observation Date of Plant: 10/5/2012  
Plant Habit: Round  
Plant Height: 5-8 ft.  
Plant Width: 6-9 ft.  
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: One of two plants is in part shade and only looks fair.

Observation Date of Flowers: 6/5/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 40-50%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
### Scientific Name: **Cornus amonum**
### Variety: -0-
### Cultivar: -0-
### Family: **Cornaceae**
### Tsnm: 78010
### Common Name: Silky Dogwood
### Source: Rose Lake Plant Material
### Quantity observed: 2
### PI #: -0-

### Observation Date of Plant: 10/9/2012
### Plant Habit: Irregular
### Plant Height: 6 - 8 ft.
### Plant Width: 10-15 ft
### Current Seasons Growth: 6 - 12 in.

### Foliage Color: Medium green
### Bark Characteristics: Intermediate importance
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Good
### Landscape Uses: Specimen, shrub border

### Overall Plant Health: Fair to good
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.
### Nuisances: Yes
### Recommended: Yes
### Comments on plant: One of two plants is in too much shade and only looks fair.

### Observation Date of Flowers: 6/18/2003
### Flower Color: White
### Flower Type: Cluster
### Flower Effect: Good
### % of Flower Coverage: 51-75%
### Bloom Stage: Flowers open
### Fruit Present:
### Comments on Flowers:

### Fall Color or Fruit:
### Date of observation:
### Aesthetics:
### Persistance:
### Fall Color:
Scientific Name: Cornus controversa
Cultivar: June Snow  Family: Cornaceae
Common Name: June Snow Dogwood
Source: J. Frank Schmidt and Son Co

Quantity observed: 2

Observation Date of Plant: 7/25/2011
Plant Habit: Broad oval
Plant Height: 10-15 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Nice growth habit, structure. New foliage emerges in shapes similar to tongues of fire and is very interesting by itself. Tolerant of drier conditions on edge of arboretum. Fall color was dark red on half of foliage and contrasted nicely with

Observation Date of Flowers: 5/22/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 70-90%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Flowers accentuate branching structure.

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Dark red/maroon

Date of observation: 9/18/2007
Persistence: 1-2 weeks
Scientific Name:  Cornus drummondii
Cultivar:  -0-
Common Name:  Dogwood
Source:  USDA/NC-7, Ames, IA

Variety:  -0-
Family:  Cornaceae

Tnum:  88109

Observation Date of Plant:  10/8/2012
Flower Color:  White
Fruit Present: 

PI #:  PI495604

Flower Type:  Cluster
Bloom Stage:  Flowers open

Plant Habit:  Broad oval
Plant Height:  8-12 ft.
Plant Width:  12-18 ft.

Current Seasons Growth:  10-15 in.
Foliage Color:  Medium green
Bark Characteristics:  Unimportant
Plant Summer Texture:  Medium
Aesthetic Plant Quality:  Fair
Landscape Uses:  Specimen, shrub border

Overall Plant Health:  Good
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended:  Yes
Comments on plant:  Would look better if they had more space.

Observation Date of Flowers:  6/19/2006
Flower Color:  White
Flower Type:  Cluster
Flower Effect:  Good
% of Flower Coverage:  60-75%
Bloom Stage:  Flowers open

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  

Date of observation:  
Persistance:  

Observation Date of Flowers:  6/19/2006
Flower Color:  White
Flower Type:  Cluster
Flower Effect:  Good
% of Flower Coverage:  60-75%
Bloom Stage:  Flowers open

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  

Date of observation:  
Persistance:  

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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Cornus drumondii</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Family: Cornaceae</td>
<td>Tnum: 03150</td>
</tr>
<tr>
<td>Common Name:</td>
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<tr>
<td>Source:</td>
<td>Texas</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Quantity observed: 1</td>
<td>PI #:</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/8/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>4-5 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>3-5 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-12 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Poor</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
</tr>
</tbody>
</table>

| Overall Plant Health:     | Poor         |
| Insect Pests:             |             |
| Pest Severity:            |             |
| Plant Disease:            |             |
| Disease Severity:         |             |
| Cultural Problems:        | Planted at edge of arboretum where irrigation is less uniform. |

| Nuisances:                | No          |
| Recommended:              | No          |
| Comments on plant:        |             |

**Observation Date of Flowers:**

<table>
<thead>
<tr>
<th>Flower Color:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Type:</td>
</tr>
<tr>
<td>Flower Effect:</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
</tr>
<tr>
<td>Bloom Stage:</td>
</tr>
<tr>
<td>Fruit Present:</td>
</tr>
<tr>
<td>Comments on Flowers:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
</tr>
</tbody>
</table>
Scientific Name: Cornus hesseyii
Cultivar: Golden Glow
Family: Cornaceae
Common Name: Golden Glow Dogwood
Source: Greenleaf Nursery Co.
Plant Habit: Round to irregular
Plant Height: 3-4 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Light green to light yellow
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2009.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistence:
Fall Color:
Scientific Name: Cornus kousa  
Variety: 
Cultivar: Samzam  
Family: Cornaceae  
Tsum: 11012  
Common Name: Samaritan Dogwood  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #: 

Observation Date of Plant: 11/9/2012  
Plant Habit: Upright oval  
Plant Height: 3-8 in.  
Plant Width: 3-4 ft.  
Current Seasons Growth: 4-8 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen  

Overall Plant Health: Good  
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances:  n/a  
Recommended: n/a  
Comments on plant: Planted in 2011 - too soon to recommend but looked good the first year.

Observation Date of Flowers:  
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers: 

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistance: 

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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Cornus kousa</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Schmred</td>
<td>Family:</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Heart Throb Dogwood</td>
<td>Tnum:</td>
</tr>
<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed:</td>
</tr>
<tr>
<td>Observation Date of Plant:</td>
<td>10/9/2012</td>
<td></td>
</tr>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
<td></td>
</tr>
<tr>
<td>Plant Height:</td>
<td>4-5 ft.</td>
<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>2-3 ft.</td>
<td></td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>1-3 in.</td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
<td></td>
</tr>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
<td></td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair</td>
<td></td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen</td>
<td></td>
</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Fair</td>
<td></td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td>Planted at edge of arboretum where irrigation is less uniform.</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Planted in 2011 - too soon to recommend. Low vigor may be related to dry summer and need for greater irrigation.</td>
<td></td>
</tr>
</tbody>
</table>

| Observation Date of Flowers: |
| Flower Color:                |
| Flower Type:                 |
| Flower Effect:               |
| % of Flower Coverage:        |
| Bloom Stage:                 |
| Fruit Present:               |
| Comments on Flowers:         |

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
</tr>
<tr>
<td>Scientific Name:</td>
<td>Cornus mas</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Cultivar:</td>
<td>25499</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Cornelian Cherry Dogwood</td>
</tr>
<tr>
<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Upright oval

**Plant Height:** 4-6 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in arboretum in 2003. Looks healthy but maybe in too much shade to set fruit.

**Observation Date of Flowers:** 3/18/2012

**Flower Color:** Yellow

**Flower Type:** Cluster

**Flower Effect:** No flowers in 2012.

**% of Flower Coverage:** No flowers in 2012.

**Bloom Stage:** No flowers in 2012.

**Fruit Present:**

**Comments on Flowers:** No flowers in 2012.
### Scientific Name: **Cornus mas**  
**Cultivar:** Golden Glory  
**Family:** Cornaceae  
**Common Name:** Golden Glory Cornelian cherry Dogwood  
**Source:** Synnestvedt Nursery  
**Quantity observed:** 3  
**Tsun:** 86153  
**PI #:** -0-  

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>10/9/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Round</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>8-10 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>8-12 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>6 - 12 in.</td>
</tr>
</tbody>
</table>

- **Foliage Color:** Dark green  
- **Bark Characteristics:** Not very important  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Good  
- **Landscape Uses:** Specimen, shrub border  

- **Overall Plant Health:** Good to fair  
- **Insect Pests:**  
- **Pest Severity:**  
- **Plant Disease:**  
- **Disease Severity:**  
- **Cultural Problems:**  
- **Nuisances:** Yes  
- **Recommended:** Yes  
- **Comments on plant:** Getting too much shade from surrounding plants which is reducing vigor and height.

<table>
<thead>
<tr>
<th><strong>Observation Date of Flowers:</strong></th>
<th>3/18/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flower Color:</strong></td>
<td>Yellow</td>
</tr>
<tr>
<td><strong>Flower Type:</strong></td>
<td>Cluster</td>
</tr>
<tr>
<td><strong>Flower Effect:</strong></td>
<td>Good</td>
</tr>
<tr>
<td><strong>% of Flower Coverage:</strong></td>
<td>80-90%</td>
</tr>
<tr>
<td><strong>Bloom Stage:</strong></td>
<td>Flowers open</td>
</tr>
<tr>
<td><strong>Fruit Present:</strong></td>
<td>no</td>
</tr>
<tr>
<td><strong>Comments on Flowers:</strong></td>
<td>Plants in shade have few flowers.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Fall Color or Fruit:</strong></th>
<th><strong>Date of observation:</strong></th>
<th><strong>Aesthetics:</strong></th>
<th><strong>Persistance:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Inadequate irrigation at edge of arboretum where irrigation is less uniform.
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend. Would probably look better with more irrigation during establishment..

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistence:
Fall Color:
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Cornus pumila</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td></td>
<td>Tnum: 98067</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Dogwood</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
<td>Quantity observed: 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PI #: Ames 21899</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/5/2012  
**Plant Habit:** Broad oval to irregular  
**Plant Height:** 5-7 ft.  
**Plant Width:** 8-12 ft.  
**Current Seasons Growth:** 12-18 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** One of two plants is declining and may die but second looks good.

**Observation Date of Flowers:** 6/19/2006  
**Flower Color:** n/a  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:** No signs of flowers in 2006.
<table>
<thead>
<tr>
<th>Scientific Name: Cornus racemosa</th>
<th>Variety: -0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: -0-</td>
<td>Family: Cornaceae</td>
</tr>
<tr>
<td>Common Name: Gray Dogwood</td>
<td>Tsnum: 80398</td>
</tr>
<tr>
<td>Source: Unknown</td>
<td>Quantity observed: 2</td>
</tr>
<tr>
<td></td>
<td>PI #: -0-</td>
</tr>
<tr>
<td>Observation Date of Plant:</td>
<td>10/9/2012</td>
</tr>
<tr>
<td>Plant Habit: Broad oval</td>
<td></td>
</tr>
<tr>
<td>Plant Height: 7-9 ft.</td>
<td></td>
</tr>
<tr>
<td>Plant Width: 10-15 ft</td>
<td></td>
</tr>
<tr>
<td>Current Seasons Growth: 6-12 in.</td>
<td></td>
</tr>
</tbody>
</table>

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Use only in shrub form - tree form has severe suckering.

Observation Date of Flowers: 6/13/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-70%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: One of the showier dogwoods for this area.

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
### Cornus racemosa

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Cornus racemosa</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Family:</td>
<td>Cornaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Gray Dogwood</td>
<td>Tnum:</td>
<td>91113</td>
</tr>
<tr>
<td>Source:</td>
<td>Schichtel's Nursery</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PI #:</td>
<td>-0-</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 10-15 ft.  
**Plant Width:** 7-10 ft.  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border, small/confined areas

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Tree form has severe suckering and needs frequent pruning. Better grown as a shrub.

**Observation Date of Flowers:** 6/5/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 50-70%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Fall Color:**  
**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Cornus racemosa
Cultivar: Emerald
Family: Cornaceae
Common Name: Snow Cap Gray Dogwood
Source: North Dakota State University

Quantity observed: 2

Variety:

Tsnum: 98078

Observation Date of Plant: 10/8/2012
Plant Habit: Round
Plant Height: 4-6 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Dark green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Inadequate irrigation system.
Nuisances:
Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Would probably look fine in a landscape with a normal irrigation system.

Observation Date of Flowers: 6/1/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Fruit Present: Yes

Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: Persistance:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Cornus sanguinea
Cultivar: 25500
Family: Cornaceae
Variety: Tsnum: 02032
Common Name: Blood-twig Dogwood
Source: USDA/NC-7, Ames, IA
Quantity observed: 3
PI #: 25500

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 7-10 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Two plants are getting too much shade from nearby tree but third looks good.
Nuisances:
Recommended: Yes

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
Cornus sanguinea

Family: Cornaceae

Cornus sanguinea

Variety:

Common Name: Blood-twig Dogwood

Source: USDA/NC-7, Ames, IA

Quantity observed: 2

PI #: 25501

Tnum: 02033

Scientific Name: Cornus sanguinea

Cultivar: 25501

Fall Color: 

Date of observation:

Persistance:

Aesthetics:

Fall Color:

Observation Date of Plant: 10/8/2012

Plant Habit: Upright oval to round

Bark Characteristics: Important

Plant Height: 6-8 ft.

Plant Summer Texture: Medium

Plant Width: 6-9 ft.

Landscape Uses: Specimen, shrub border

Aesthetic Plant Quality: Good

Current Seasons Growth: 6-12 in.

% of Flower Coverage: 

Bloom Stage: 

Fall Color or Fruit: 

Flower Type: 

Flower Effect: 

Flower Color: 

Fruit Present: 

Comments on Flowers: 

Overall Plant Health: Good

Insect Pests: 

Pest Severity: 

Plant Disease: 

Disease Severity: 

Cultural Problems: 

Nuisances: 

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Has some leaf scorch probably from inadequate irrigation at edge of arboretum.

Observation Date of Flowers:

Fall Color or Fruit: 

Aesthetics: 

Persistance: 

Fall Color:
# 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

## Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Cornus sericea</th>
<th>Variety:</th>
<th>sericea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Bud's Yellow</td>
<td>Family:</td>
<td>Cornaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Bud's Yellow Dogwood</td>
<td>Tnum:</td>
<td>99026</td>
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<tr>
<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
<td>Quantity observed:</td>
<td>3</td>
</tr>
<tr>
<td>PI #:</td>
<td>Ames 24553</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Observation Date of Plant: 10/5/2012

### Plant Habit: Broad oval

### Plant Height: 4-7 ft.

### Plant Width: 8-11 ft.

### Current Seasons Growth: 4-10 in.

### Foliage Color: Medium green

### Bark Characteristics: Important

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Specimen, shrub border

### Overall Plant Health: Fair

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances: Yes

### Recommended: Yes

### Comments on plant: Plant in full sun looks much better than two in part shade.

### Observation Date of Flowers: 5/15/2006

### Flower Color: White

### Flower Type: Cluster

### Flower Effect: Good

### % of Flower Coverage: 50-60%

### Bloom Stage: Flowers open

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit: 

### Aesthetics: 

### Fall Color: 

### Date of observation: 

### Persistance: 

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**Scientific Name:** Cornus sericea  
**Family:** Cornaceae  
**Common Name:** Cardinal Redosier Dogwood  
**Source:** Bailey Nurseries  
**Variety:** -0-  
**Tnum:** 87092  
**PI #:** -0-  
**Quantity observed:** 3  

**Observation Date of Plant:** 10/8/2012  
**Plant Habit:** Broad oval  
**Plant Height:** 6 - 8 ft.  
**Plant Width:** 10-14 ft  
**Current Seasons Growth:** 6 - 12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border, erosion control  

**Overall Plant Health:** Fair  
**Insect Pests:** Aphids  
**Pest Severity:** Minor injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Rosy color to twigs is very attractive. Appearance was better when it had more sunlight before nearby plants grew too large.

**Observation Date of Flowers:** 5/31/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 40-60%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** 

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
**Scientific Name:** Cornus sericea  
**Cultivar:** Isanti  
**Family:** Cornaceae  
**Common Name:** Isanti Redosier Dogwood  
**Source:** Jewell Nursery, Inc.  
**Quantity observed:** 2  
**PI #:** -0-  

**Tsnum:** 80037

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Mounding to broad oval  
**Plant Height:** 5-7 ft.  
**Plant Width:** 12-18 ft.  
**Current Seasons Growth:** 1-2 ft  

**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border, erosion control

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Irrigation at edge of arboretum is non-uniform.  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Will colonize surrounding area if given the chance.

**Observation Date of Flowers:** 6/2/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 40-50%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Cornus sericea sericea  
Cultivar: Ruby  
Family: Cornaceae  
Tnum: 97080  

Common Name: Redosier Dogwood  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 1  

Plant Habit: Broad oval  
Plant Height: 3-4.5 ft.  
Plant Width: 8-12 ft.  
Current Seasons Growth: 8-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests: Aphids  
Pest Severity: Slight injury  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Stems are attractive but growth habit is a little leggy.  

Observation Date of Plant: 10/5/2012  

Observation Date of Flowers: 5/31/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 40-50%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

Fall Color:
### Scientific Name: **Cornus stolinifolia**

### Variety:

### Cultivar: **Artic Fire**

### Family: **Cornaceae**

### Tsnum: 05083

### Common Name: **Arctic Fire Dogwood**

### Source: **Proven Winners**

### Quantity observed: 1

### Observation Date of Plant: 10/5/2012

### Plant Habit: Round

### Plant Height: 3-4 ft.

### Plant Width: 3-4.5 ft.

### Current Seasons Growth: 6-12 in.

### Foliage Color: Medium green

### Bark Characteristics: Important

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Specimen, shrub border

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances: Yes

### Recommended: Yes

### Comments on plant: Planted in 2009. Compact growth habit is better than most Cornus.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Aesthetics:

### Date of observation:

### Persistance:

### Fall Color:
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Corylopsis spicata</th>
<th>Variety:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td></td>
<td>Family:</td>
<td>Hamamelidaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Spike Winterhazel</td>
<td>Tsnum:</td>
<td>07072</td>
</tr>
<tr>
<td>Source:</td>
<td>Carlton Plants</td>
<td>Quantity observed:</td>
<td>2</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/3/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Young, undefined</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>3-6 in.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>6-12 in.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-12 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Not very important</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium to coarse</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Poor</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
</tr>
</tbody>
</table>

| Overall Plant Health:       | Fair |
| Insect Pests:               |          |
| Pest Severity:              |          |
| Plant Disease:              |          |
| Disease Severity:           |          |
| Cultural Problems:          |          |
| Nuisances:                  | No        |
| Recommended:                |          |

| Comments on plant:          | Just planted in 2009. Died to ground during winter. |

| Observation Date of Flowers:| |
| Flower Color:               | |
| Flower Type:                | |
| Flower Effect:              | |
| % of Flower Coverage:       | |
| Bloom Stage:                | |
| Fruit Present:              | |
| Comments on Flowers:        | |

| Fall Color or Fruit:        | Date of observation: |
| Aesthetics:                 | Persistance:         |
| Fall Color:                 |                         |
Scientific Name: Corylus americana  
Variety: -0-  
Cultivar: -0-  
Family: Betulaceae  
Tnum: 78149

Common Name: American Filbert

Source: Fort Collins Nursery
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 10/3/2011

Plant Habit: Broad oval
Plant Height: 20-25 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border, possibly a small multi-stem tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Not a plant for most landscapes due to size.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Date of observation:
Persistance:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Corylus avellana  
**Variety:** -0-  
**Family:** Betulaceae  
**Tsnm:** 81224  
**Cultivar:** -0-  
**Common Name:** European Filbert

<table>
<thead>
<tr>
<th>Source</th>
<th>Smith Nursery Co.</th>
<th><strong>Quantity observed:</strong></th>
<th>1</th>
<th><strong>PI #:</strong></th>
<th>-0-</th>
</tr>
</thead>
</table>

**Observation Date of Plant:** 10/3/2011

**Plant Habit:** Round to upright oval

**Plant Height:** 14-18 ft.

**Plant Width:** 18-24 ft.

**Current Seasons Growth:** 10-15 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Not very important

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**

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# 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

### Scientific Name: Corylus avellana

<table>
<thead>
<tr>
<th>Variety:</th>
<th>Tnum: 10002</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Fusco-rubra</td>
<td>Family: Betulaceae</td>
</tr>
<tr>
<td>Common Name: Fusco-rubra European Filbert</td>
<td></td>
</tr>
<tr>
<td>Source: Carlton Plants</td>
<td>Quantity observed: 1</td>
</tr>
</tbody>
</table>

### Observation Date of Plant: 10/4/2011

<table>
<thead>
<tr>
<th>Plant Habit: Upright oval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Height: 5-6 ft.</td>
</tr>
<tr>
<td>Plant Width: 1-2 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth: 4-6 in.</td>
</tr>
</tbody>
</table>

### Foliage Color: Dark green with a hint of bronze/red

### Bark Characteristics: Intermediate importance

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Fair

### Landscape Uses: Specimen

### Overall Plant Health: Fair

### Insect Pests: n/a

### Pest Severity: n/a

### Plant Disease: n/a

### Disease Severity: n/a

### Cultural Problems: n/a

### Nuisances: n/a

### Recommended: n/a

### Comments on plant: Planted in 2011 - too soon to recommend.

### Observation Date of Flowers:

<table>
<thead>
<tr>
<th>Flower Color:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Type:</td>
</tr>
<tr>
<td>Flower Effect:</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
</tr>
<tr>
<td>Bloom Stage:</td>
</tr>
<tr>
<td>Fruit Present:</td>
</tr>
<tr>
<td>Comments on Flowers:</td>
</tr>
</tbody>
</table>

### Fall Color or Fruit:

<table>
<thead>
<tr>
<th>Date of observation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
</tr>
<tr>
<td>Fall Color:</td>
</tr>
</tbody>
</table>
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Corylus colurna  Variety: Tnum: 96134
Cultivar:  Family: Betulaceae
Common Name: Turkish Filbert  Quantity observed: 1  PI #:
Source: Schichtel's Nursery

Observation Date of Plant: 10/3/2011
Plant Habit: Upright oval, narrow
Plant Height: 20-26 ft.
Plant Width: 8-12 ft
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: An attractive tree but a second tree suddenly died without symptoms and from unknown cause. May be substantial reason for concern for widespread use.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  Date of observation:
Aesthetics:  Persistance:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

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**Scientific Name:** Cotinus coggyria

**Cultivar:** Young Lady

**Family:** Anacardiaceae

**Tsnum:** 09065

**Common Name:** Young Lady Smokebush

**Source:** Bailey Nurseries

**Quantity observed:** 2

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Irregular

**Plant Height:** 1-2 ft.

**Plant Width:** 1-2 ft.

**Current Seasons Growth:** 1-3 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Marginal

**Recommended:** Marginal

**Comments on plant:** Planted in 2009. Low vigor may be due to shade from nearby trees.

---

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

---

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

---

**Date of observation:**

**Persistance:**

---

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Scientific Name: Cotinus coggygria
Cultivar: 69997
Family: Anacardiaceae
Variety: 
Tnum: 02034
Common Name: Smokebush
Source: USDA/NC-7, Ames, IA
Quantity observed: 2
PI #: 69997

Observation Date of Plant: 10/4/2011
Plant Habit: Irregular
Plant Height: 3-4 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good to fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in arboretum in 2003. One plant that seems to have been damaged by snow and lost half of canopy in 2008 is slow to regain form.

Observation Date of Flowers: 7/30/2007
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers: No sign of flowers in 2007 - may be in too much shade.
**Scientific Name:** Cotinus coggygria  
**Cultivar:** Golden Spirit  
**Family:** Anacardiaceae  
**Tsun:** 08119  
**Common Name:** Golden Spirit Smokebush  
**Source:** Greenleaf Nursery Co.  
**Quantity observed:** 2  
**PI #:**

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>10/4/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Young, undefined</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>6-12 in.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>6-12 in.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>3-6 in.</td>
</tr>
</tbody>
</table>

| **Foliage Color:**           | Yellow/green |
| **Bark Characteristics:**    | Unimportant |
| **Plant Summer Texture:**    | Medium |
| **Aesthetic Plant Quality:** | Fair to poor |
| **Landscape Uses:**          | Specimen, shrub border |

| **Overall Plant Health:**    | Fair to poor |
| **Insect Pests:**            |            |
| **Pest Severity:**           |            |
| **Plant Disease:**           |            |
| **Disease Severity:**        |            |
| **Cultural Problems:**       |            |
| **Nuisances:**               |            |
| **Recommended:**             | Marginal |

**Comments on plant:** Planted in 2009. Died to ground probably due to establishment problems.

**Observation Date of Flowers:**

<table>
<thead>
<tr>
<th><strong>Flower Color:</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flower Type:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Flower Effect:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>% of Flower Coverage:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Bloom Stage:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Fruit Present:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Comments on Flowers:</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Fall Color or Fruit:**

<table>
<thead>
<tr>
<th><strong>Aesthetics:</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Color:</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Date of observation:**

**Persistance:**
**Scientific Name:** Cotinus coggygria  
**Cultivar:** Nordine Red  
**Family:** Anacardiaceae  
**Common Name:** Nordine Red Smokebush  
**Source:** Inter-State Nursery  
**Quantity observed:** 2  
**Tsnum:** 81190  
**Variety:** -0-  
**PI #:** -0-

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Irregular  
**Plant Height:** 10-15 ft.  
**Plant Width:** 20-25 ft.  
**Current Seasons Growth:** 3-4 ft.

**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Deformed some by snow load in 2009. Vigor is impressive on branches in the sun.

**Observation Date of Flowers:** 6/15/2007  
**Flower Color:** Dark red  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 70-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Flowers are a darker red and more numerous in full sun. Very showy and long lasting.

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/28/2008  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** Purple
<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Cotinus coggygria</th>
<th>Variety:</th>
<th>Tnum:</th>
<th>98053</th>
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</thead>
<tbody>
<tr>
<td>Cultivar</td>
<td>Pink Champagne</td>
<td>Family</td>
<td>Anacardiaceae</td>
<td></td>
</tr>
<tr>
<td>Common Name</td>
<td>Pink Champagne Smoke Bush</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source</td>
<td>Sjulin Nurseries</td>
<td>Quantity observed</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Plant**: 10/4/2011  
**Plant Habit**: Irregular to broad oval  
**Plant Height**: 5-6 ft.  
**Plant Width**: 8-12 ft.  
**Current Seasons Growth**: 6-12 in.  

- **Foliage Color**: Medium green  
- **Bark Characteristics**: Unimportant  
- **Plant Summer Texture**: Medium  
- **Aesthetic Plant Quality**: Good  
- **Landscape Uses**: Specimen, shrub border  

- **Overall Plant Health**: Good  
- **Insect Pests**:  
- **Pest Severity**:  
- **Plant Disease**:  
- **Disease Severity**:  
- **Cultural Problems**:  
- **Nuisances**:  
- **Recommended**: Yes  
- **Comments on plant**:  

**Observation Date of Flowers**: 6/15/2007  
**Flower Color**:  
**Flower Type**:  
**Flower Effect**:  
**% of Flower Coverage**:  
**Bloom Stage**:  
**Fruit Present**:  
**Comments on Flowers**: No sign of flowers in 2007 - may be in too much shade.  

**Fall Color or Fruit**: Fall color  
**Date of observation**: 10/28/2003  
**Aesthetics**: Good  
**Persistence**: 1-2 weeks  
**Fall Color**: orange, red, deep wine
Scientific Name: Cotinus coggyria
Cultivar: Pink Princess
Family: Anacardiaceae
Common Name: Pink Princess Smokebush
Source: Smith Nursery Co.

Variety: -0-
Tnum: 81225

PI #: -0-

Observation Date of Plant: 10/4/2011
Plant Habit: Irregular
Plant Height: 8 - 10 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Getting a little leggy over time

Observation Date of Flowers: 6/15/2007
Flower Color: Light pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open

Fruit Present:
Comments on Flowers: Flowers are smaller and more compact than Cotinus 'Nordine Red' but are still showy.

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation:
Persistance:
**Scientific Name:** Cotinus coggygria  
**Cultivar:** Purple Supreme  
**Family:** Anacardiaceae  
**Common Name:** Purple Supreme Smokebush  
**Source:** Inter-State Nursery  
**Quantity observed:** 1  
**Tnum:** 81191  
**PI #:** -0-

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Irregular  
**Plant Height:** 10-12 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 1-2 ft.  

**Foliage Color:** Purple/green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Does not get as purple with shade.

**Observation Date of Flowers:** 6/15/2007  
**Flower Color:** Purple/red  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 20-40%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Relatively few flowers and only moderately showy.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Cotinus coggygria
Cultivar: Velvet Cloak
Family: Anacardiaceae
Tsun: 03167

Common Name: Velvet Cloak Smokebush
Source: Carlton Plants
Quantity observed: 1

Observation Date of Plant: 10/4/2011

Plant Habit: Young, undefined
Plant Height: 1-2 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Planted in arboretum in 2003. Slow to gain size - possibly in too much shade.

Observation Date of Flowers: 6/15/2007
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers: No sign of flowers in 2007 - may be in too much shade.

Fall Color or Fruit: 
Date of observation:
Aesthetics:
Persistance:
Fall Color:
### American Smoketree

- **Scientific Name:** Cotinus obovatus  
  **Family:** Anacardiaceae  
  **Tsnm:** 94043  
- **Variety:**  
  **Cultivar:**  
  **Common Name:** American Smoketree  
  **Source:** Bailey Nurseries  
  **Quantity observed:** 1  
  **PI #:**  

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/4/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Upright oval</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>25-30 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>15-20 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>6-12 in.</td>
</tr>
</tbody>
</table>

- **Foliage Color:** Medium blue/green  
- **Bark Characteristics:** Intermediate importance  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Good  
- **Landscape Uses:** Specimen, shade  

- **Overall Plant Health:** Good  
- **Insect Pests:**  
- **Pest Severity:**  
- **Plant Disease:**  
- **Disease Severity:**  
- **Cultural Problems:**  
- **Nuisances:** Yes  
- **Recommended:** Yes  

**Comments on plant:** This specimen is growing a little one sided due to neighboring tree. Foliage shape is attractive and bark is interesting and looks a little like dripping wax.

- **Observation Date of Flowers:** 6/15/2007  
- **Flower Color:**  
- **Flower Type:**  
- **Flower Effect:**  
- **% of Flower Coverage:**  
- **Bloom Stage:**  
- **Fruit Present:**  
- **Comments on Flowers:** No sign of flowers in 2007 - never has been very showy compared to the bush forms.

- **Fall Color or Fruit:** Fall color  
- **Date of observation:** 10/6/2008  
- **Aesthetics:** Good  
- **Persistance:** 1-2 weeks  
- **Fall Color:** Yellow, some light red  

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<table>
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<tr>
<th>Scientific Name:</th>
<th>Cotoneaster adpressus</th>
<th>Variety: praecox</th>
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<td>Common Name:</td>
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<td>Tsum: 88193</td>
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<td>Source:</td>
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**Observation Date of Plant:** 10/10/2011

**Plant Habit:** Spreading

**Plant Height:** 1-2 ft.

**Plant Width:** 4-8 ft.

**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Appears to be recovering from previous problems.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Cotoneaster dammeri  
Variety:  
Cultivar: Coral Beauty  
Family: Rosaceae  
Tsnem: 88194  
Common Name: Coral Beauty Bearberry Cotoneaster  
Source: Hines Nursery  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/10/2011  
Plant Habit: Spreading  
Plant Height: 1-2 ft.  
Plant Width: 4-8 ft.  
Current Seasons Growth: 12-18 in.  

Foliage Color: Dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Would probably have more fruit in a sunnier location.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Cotoneaster franchetii                      **Variety:** sternianus
**Cultivar:**                                                **Family:** Rosaceae
**Common Name:** Cotoneaster                                **Tnum:** 00056
**Source:** USDA/NC-7, Ames, IA                              **Quantity observed:** 1

**Observation Date of Plant:** 9/30/2011
**Plant Habit:** Upright oval
**Plant Height:** 1-3 ft.
**Plant Width:** 2-3 ft.
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Fine
**Aesthetic Plant Quality:** Poor
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Poor
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:** No
**Recommended:** No
**Comments on plant:** Was rejuvenated in 2010 and looks very chlorotic now.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Date of observation:**
**Aesthetics:**
**Persistance:**
**Fall Color:**
### Scientific Name: Cotoneaster horizontalis
### Variety: perpusillas
### Tsnum: 83163

| **Cultivar:** | -0- |
| **Family:** | Rosaceae |
| **Common Name:** | Creeping Cotoneaster |
| **Source:** | Greenleaf Nursery Co. |
| **Quantity observed:** | 2 |
| **PI #:** | -0- |

**Observation Date of Plant:** 10/10/2011

**Plant Habit:** Spreading

**Plant Height:** 1.5 - 2.5 ft.

**Plant Width:** 3 - 6 ft.

**Current Seasons Growth:** 6-10 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border, groundcover

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** This specimen has grass beginning to invade.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Cotoneaster ignavus  
**Variety:**  
**Cultivar:**  
**Family:** Rosaceae  
**Tnum:** 00156  
**Common Name:** Sezchuan Fire Cotoneaster  
**Source:** Fort Collins Nursery  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Upright oval to round  
**Plant Height:** 5-7 ft.  
**Plant Width:** 5-8 ft.  
**Current Seasons Growth:** 12-18 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Needs a little pruning to keep pleasing shape.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
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**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Round to broad oval  
**Plant Height:** 8-12 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
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**Observation Date of Plant:** 9/30/2011

**Plant Habit:** Broad oval
**Plant Height:** 8-10 ft.
**Plant Width:** 15-20 ft.
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Medium
**Aesthetic Plant Quality:** Fair to good
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good
**Insect Pests:** Mealy bugs
**Pest Severity:** Slight injury
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Yes
**Comments on plant:**

**Observation Date of Flowers:** 5/7/2003

**Flower Color:** White
**Flower Type:** Cluster
**Flower Effect:** Good
**% of Flower Coverage:** 76-100%
**Bloom Stage:** Flowers open
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:**
**Date of observation:**
**Persistance:**
**Scientific Name:** Cotoneaster integerrimus  
**Variety:** -0-  
**Tnum:** 89153  
**Cultivar:** Centennial  
**Family:** Rosaceae  
**Common Name:** Cotoneaster  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Round  
**Plant Height:** 8 - 11 ft.  
**Plant Width:** 8-11 ft  
**Current Seasons Growth:** 10-15 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Aesthetics would be better if not for thin canopy.  

**Observation Date of Flowers:** 5/7/2003  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 51-75%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Tiny flowers.  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Cotoneaster lucidus  
Variety:  
Tsun: 07073  

Cultivar:  
Family: Rosaceae  

Common Name: Peking Cotoneaster  

Source: Carlton Plants  
Quantity observed: 2  

Observation Date of Plant: 9/30/2011  

Plant Habit: Round  
Plant Height: 3-4 ft.  
Plant Width: 4-5 ft.  
Current Seasons Growth: 10-15 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  

Comments on plant: Planted in 2009. Growth habit is a little random but may improve as it matures.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  

Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
**Scientific Name:** Cotoneaster moupinensis  
**Family:** Rosaceae  
**Source:** USDA/NC-7  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 8 - 10 ft.  
**Plant Width:** 10 - 20 ft.  
**Current Seasons Growth:** 8-15 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Cotoneaster racemifloras soongoricus
Variety:
Cultivar: Family: Rosaceae
Common Name: Sungari Rockspray Cotoneaster
Source: Fort Collins Nursery
Quantity observed: 1

Tsnum:

Tsnam:

Observation Date of Plant: 10/21/2011
Plant Habit: Upright oval to round
Plant Height: 6-7 ft.
Plant Width: 6-8 ft
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Growth habit is a little leggy.

Observation Date of Flowers: 5/7/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 26-50%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: dark red, dark oranges
Date of observation: 10/9/2003
Persistance: 1-2 weeks

Fall Color:
Aesthetics:

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### Cotoneaster x Hessei

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**Observation Date of Plant:** 10/10/2011

**Plant Habit:** Spreading

**Plant Height:** 1-2 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border, ground cover

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in arboretum in 2002. Attractive foliage and fruit. 20% of canopy seems to have defoliated from undetermined cause.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
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**Observation Date of Plant:** 9/28/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 8 - 10 ft.  
**Plant Width:** 8 - 12 ft  
**Current Seasons Growth:** 6-10 in.

**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Fair  
**Insect Pests:** Mealy bugs  
**Pest Severity:** Slight injury  
**Plant Disease:** Disease Severity:  
**Cultural Problems:** Nuisances: Suckering slightly  
**Recommended:** Marginal  
**Comments on plant:** Severe mealy bug problem in past but was treated with Safari in 2011 and looks better but still moderately chlorotic.

**Observation Date of Flowers:** 5/24/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 76-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/6/2008  
**Aesthetics:** Fair  
**Persistance:** 1-2 weeks  
**Fall Color:** Golden yellow
**Scientific Name:** Crataegus ambigua  
**Variety:**  
**Family:** Rosaceae  
**Tsum:** 11114  
**Cultivar:**  
**Common Name:** Russian Hawthorn  
**Source:** Garden and Home Show  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 10/21/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 6-8 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Planted in 2011.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**

**Aesthetics:**  
**Persistance:**

**Fall Color:**
**Scientific Name:** Crataegus ambigua  
**Family:** Rosaceae  
**Cultivar:** -0-  
**Common Name:** Russian Hawthorn  
**Source:** Fort Collins Nursery  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 9/28/2011  
**Plant Habit:** Round  
**Plant Height:** 10 - 15 ft.  
**Plant Width:** 10 - 18 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:** Mealy bugs  
**Pest Severity:** Slight injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Fruit is attractive, dark red and shiny. Foliage is attractive and more finely cut than most Crataegus.

---

**Observation Date of Flowers:** 5/17/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 76-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

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**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
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<td><strong>Bloom Stage:</strong></td>
<td>Flowers open</td>
<td><strong>Aesthetics:</strong></td>
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<tr>
<td><strong>Fruit Present:</strong></td>
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<tr>
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<td>Crataegus crusgalli</td>
<td>Variety:</td>
<td>inermis</td>
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<tr>
<td>Common Name:</td>
<td>Thornless Cockspur Hawthorn</td>
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<tr>
<td>Source:</td>
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Observation Date of Plant: 9/28/2011

- **Plant Habit:** Round
- **Plant Height:** 10 - 16 ft.
- **Plant Width:** 17-20 ft.
- **Current Seasons Growth:** 6-10 in.

- **Foliage Color:** Dark green
- **Bark Characteristics:** Intermediate importance
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** good
- **Landscape Uses:** Specimen, small/confined areas

- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:** Yes
- **Recommended:** Yes
- **Comments on plant:** Very horizontal branching habit. Glossy foliage. Looks great on side with more sun.

Observation Date of Flowers: 5/24/2006

- **Flower Color:** White
- **Flower Type:** Cluster
- **Flower Effect:** Excellent
- **% of Flower Coverage:** 70-80%
- **Bloom Stage:** Flowers open
- **Fruit Present:**
- **Comments on Flowers:**

- **Fall Color or Fruit:**
- **Date of observation:**
- **Aesthetics:**
- **Persistance:**
- **Fall Color:**
**Scientific Name:** Crataegus crus-galli  
**Variety:** inermis  
**Cultivar:** Cruzam  
**Family:** Rosaceae  
**Tsunum:** 94044  
**Common Name:** Crusader Hawthorn  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Broad spreading  
**Plant Height:** 6 - 8 ft.  
**Plant Width:** 6-10 ft.  
**Current Seasons Growth:** 3-7 in.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Fair  
**Insect Pests:** Mealy bugs  
**Pest Severity:** Moderate injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Marginal  

**Recommended:** Marginal  
**Comments on plant:** One tree moved Spring of 2003. Fruit has a waxy haze on surface. Mealy bugs seem to be sapping energy and it has just enough to maintain enough leaves to look okay.  

**Observation Date of Flowers:** 5/24/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 70-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/8/2009  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** Yellow-orange
Scientific Name: Crataegus douglasii  
Variety: -0-  
Family: Rosaceae  
Tsnun: 90035  

Common Name: Black Hawthorn  
Cultivar: -0-  
Source: Fort Collins Nursery  
Quantity observed: 2  
PI #: -0-  

Observation Date of Plant: 9/28/2011  
Plant Habit: Upright oval  
Plant Height: 7 - 10 ft.  
Plant Width: 7-12 ft.  
Current Seasons Growth: 5-10 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, small/confined areas  

Overall Plant Health: Fair to good  
Insect Pests: Mealy bugs, aphids  
Pest Severity: Moderate injury  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Marginal  
Recommended: Marginal  

Comments on plant: Slight suckering. Cherry red fruit is showy. One of two trees has less vigor due to mealy bugs.  

Observation Date of Flowers: 5/17/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Poor  
% of Flower Coverage: 15-20%  
Bloom Stage: Flowers open  
Fruit Present: 
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:  

Tsnum: 90035  

Scientific Name: Crataegus douglasii  
Variety: -0-  
Family: Rosaceae  
Tsnun: 90035  

Common Name: Black Hawthorn  
Cultivar: -0-  
Source: Fort Collins Nursery  
Quantity observed: 2  
PI #: -0-  

Observation Date of Plant: 9/28/2011  
Plant Habit: Upright oval  
Plant Height: 7 - 10 ft.  
Plant Width: 7-12 ft.  
Current Seasons Growth: 5-10 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, small/confined areas  

Overall Plant Health: Fair to good  
Insect Pests: Mealy bugs, aphids  
Pest Severity: Moderate injury  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Marginal  
Recommended: Marginal  

Comments on plant: Slight suckering. Cherry red fruit is showy. One of two trees has less vigor due to mealy bugs.  

Observation Date of Flowers: 5/17/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Poor  
% of Flower Coverage: 15-20%  
Bloom Stage: Flowers open  
Fruit Present: 
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:  

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<tr>
<th><strong>Scientific Name:</strong></th>
<th>Crataegus laevigata</th>
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<td>Crimson Cloud</td>
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<td><strong>Family:</strong></td>
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<td><strong>Common Name:</strong></td>
<td>Crimson Cloud English Hawthorn</td>
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<tr>
<td><strong>Source:</strong></td>
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<td><strong>Quantity observed:</strong></td>
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<td><strong>Tsn:</strong></td>
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</table>

| **Observation Date of Plant:** | 9/28/2011 |
| **Plant Habit:** | Upright oval to irregular |
| **Plant Height:** | 15-20 ft. |
| **Plant Width:** | 15 - 22 ft. |
| **Current Seasons Growth:** | 6-12 in. |

| **Foliage Color:** | Medium green |
| **Bark Characteristics:** | Intermediate importance |
| **Plant Summer Texture:** | Medium |
| **Aesthetic Plant Quality:** | Good |
| **Landscape Uses:** | Wildlife, specimen |

| **Overall Plant Health:** | Fair to good |
| **Insect Pests:** | Mealy bugs |
| **Pest Severity:** | Slight injury |
| **Plant Disease:** |  |
| **Disease Severity:** |  |
| **Cultural Problems:** |  |
| **Nuisances:** |  |
| **Recommended:** | Yes |
| **Comments on plant:** | Has slight chlorosis. |

| **Observation Date of Flowers:** | 5/17/2006 |
| **Flower Color:** | Red |
| **Flower Type:** | Cluster |
| **Flower Effect:** | Excellent |
| **% of Flower Coverage:** | 76-100% |
| **Bloom Stage:** | Flowers open |
| **Fruit Present:** |  |
| **Comments on Flowers:** |  |

| **Fall Color or Fruit:** |  |
| **Aesthetics:** |  |
| **Fall Color:** |  |
Scientific Name: Crataegus laevigata
Cultivar: Paul's Scarlet
Common Name: Paul's Scarlet Enlish Hawthorn

Variety: -0-
Family: Rosaceae
Tsnum: 78213

Source: -0-
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 9/28/2011
Plant Habit: Upright oval or irregular
Plant Height: 20-25 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 1-3 in.
Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, wildlife

Overall Plant Health: Poor
Insect Pests: Mealy bugs
Pest Severity: Severe injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Both trees dying due to mealy bugs and low vigor over the past few years.

Observation Date of Flowers: 5/24/2006
Flower Color: Red
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Crataegus laevigata
Cultivar: Toba
Family: Rosaceae
Common Name: Toba English Hawthorn
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 9/28/2011
Plant Habit: Broad oval, multi-stem
Plant Height: 10-12 ft.
Plant Width: 14-18 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair
Insect Pests: Mealy bugs
Pest Severity: Moderate to severe injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal

Comments on plant: Showy dark red fruit. White variegation on <5% of foliage. Floppy habit and many water sprouts are not attractive.

Observation Date of Flowers: 5/24/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Poor
% of Flower Coverage: 5-10%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Crataegus lavallei  
Common Name: Lavelle Hawthorn  
Source: A. McGill & Son Nursery  

Variety:  
Family: Rosaceae  
Tsum: 95012  

Tsnum: 95012

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 8-11 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair
Insect Pests: Mealy bugs
Pest Severity: Moderate injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: No
Recommended: No
Comments on Plant: Minor suckering. Moderate mealy bug infestation contributing to low vigor. Half of canopy is almost black from sooty mold. Fruit is slow to turn color.

Observation Date of Flowers: 5/24/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-75%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Old, withered fruit detracts from flowers.

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: yellow
Date of observation: 10/16/2003
Persistence: 1-2 weeks

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Scientific Name: Crataegus monogyna  
Cultivar: Stricta  
Family: Rosaceae  
Common Name: Pyramidal Singleseed Hawthorn  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 2  
Tsun: 84180

Observation Date of Plant: 9/28/2011  
Plant Habit: Columnar  
Plant Height: 15-20 ft.  
Plant Width: 6-8 ft  
Current Seasons Growth: 2-4 in.

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Poor  
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Poor  
Insect Pests: Mealy bugs  
Pest Severity: Severe injury  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: No  
Recommended: No  
Comments on plant: Severe mealy bug infestation is resulting in low vigor and decline. Plant is near death.

Observation Date of Flowers: 5/17/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 51-75%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Aesthetics: Fair to good  
Date of observation: 10/14/2008  
Persistance: 1-2 weeks

Fall Color: Red, yellow
## 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

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<td>Overall Plant Health:</td>
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<td>Insect Pests:</td>
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<td>Comments on plant:</td>
<td>Moved Spring of 2003 due to unavoidable construction. Mealy bugs are sapping vigor.</td>
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| Observation Date of Flowers: | 5/24/2006 |
| Flower Color:                | red       |
| Flower Type:                 | Cluster   |
| Flower Effect:               | Excellent |
| % of Flower Coverage:        | 80-90%    |
| Bloom Stage:                 | Flowers open |
| Fruit Present:               |           |
| Comments on Flowers:         |           |

| Fall Color or Fruit:         | Date of observation: |
| Aesthetics:                  | Persistance:         |
| Fall Color:                  |                       |
Scientific Name: Crataegus pedicellata  
Variety: -0-  
Cultivar: -0-  
Family: Rosaceae  
Tnum: 77001  
Common Name: Hawthorn  
Source: Unknown  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 10/10/2011
Plant Habit: Upright oval to irregular
Plant Height: 15 - 20 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests: Mealy bugs
Pest Severity: Slight injury
Plant Disease: Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/29/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 10/6/2008
Aesthetics: Good  
Persistance: 1-2 weeks
Fall Color: golden yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Crataegus phaenopyrum  
Variety: -0-  
Family: Rosaceae  
Tsnm: 88058  

Cultivar: Cordata  
Common Name: Cordata Washington Hawthorn  
Source: A. McGill & Son Nursery  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 9/28/2011  
Plant Habit: Upright oval  
Plant Height: 12-18 ft.  
Plant Width: 12-18 ft.  
Current Seasons Growth: 3-6 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease: Rust  
Disease Severity: Minor injury  
Cultural Problems:  
Nuisances: Marginal  
Recommended: Marginal  
Comments on plant: Entire plant is moderately chlorotic.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

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<th>Crataegus phaenopyrum</th>
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<td>Recommended:</td>
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<td>Comments on Plant:</td>
<td>Appears resistant to mealy bugs that cause problems on many other Crataegus. Very attractive growth habit.</td>
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<td>% of Flower Coverage:</td>
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<td>Comments on Flowers:</td>
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</table>

**Observation Date of Plant:** 9/28/2011

**Plant Habit:** Upright oval

**Plant Height:** 15-20 ft.

**Plant Width:** 12-18 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Barrier (thorns), Specimen, Small/confined areas

**Overall Plant Health:** Fair

**Insect Pests:** Mealy bugs

**Pest Severity:** Slight injury

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Vigor reduced due to mealy bug infestation in past but treated with Safari in 2011 and worked well. Slight suckering.

**Observation Date of Flowers:** 5/3/2006

**Flower Color:** White

**Flower Type:** Cluster

**Flower Effect:** Good

**% of Flower Coverage:** 70-90%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color

**Aesthetics:** Good

**Fall Color:** yellow, red

**Date of observation:** 10/9/2003

**Persistance:** 1-2 weeks
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Crataegus species
Variety: -0-
Cultivar: -0-  Family: Rosaceae
Common Name: Hawthorn  Tsnem: 82191
Source: Fort Collins Nursery
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 9/28/2011
Plant Habit: Round to upright oval
Plant Height: 15-18 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Barrier (thorns), Specimen, Small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Foliage is relatively large.

Observation Date of Flowers: 5/2/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Crataegus succulenta  Variety: -0-
Cultivar: Macrantha  Family: Rosaceae  Tsnm: 82188
Common Name: Macrantha Fleshy Hawthorn
Source: Fort Collins Nursery  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 9/28/2011
Plant Habit: Broad oval
Plant Height: 8-10 ft.
Plant Width: 10-14 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Barrier (thorns), Specimen, Small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 5/17/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Crataegus x mordenensis  
Cultivar: Snowbird  
Family: Rosaceae  
Common Name: Snowbird Hawthorn  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 2  
PI #: -0-  

Variety: -0-  
Tsnum: 87084  

Observation Date of Plant: 9/28/2011  
Plant Habit: Round  
Plant Height: 15 - 18 ft.  
Plant Width: 18-25 ft.  
Current Seasons Growth: 3 - 6 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, small/confined areas  

Overall Plant Health: Fair  
Insect Pests: Mealy bugs  
Pest Severity: Moderate injury  
Plant Disease: Rust  
Disease Severity: Slight injury  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers: 5/8/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 80-90%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Cupressus arizonica</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td></td>
<td>Family:</td>
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<td>Common Name:</td>
<td>Arizona Cypress</td>
<td>Cupressaceae</td>
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<tr>
<td>Source:</td>
<td>Fort Collins Nursery</td>
<td>Tnum: 97266</td>
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<tr>
<td>Quantity observed:</td>
<td>4</td>
<td>PI #:</td>
</tr>
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</table>

**Observation Date of Plant:** 7/20/2011  
**Plant Habit:** Pyramidal  
**Plant Height:** 15-20 ft.  
**Plant Width:** 15-22 ft.  
**Current Seasons Growth:** 8-15 in.  

**Foliage Color:** Blue/green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Cytisus purgans  
Variety:  
Family: Fabaceae  
Tnum: 11118  

Cultivar:  
Common Name: Spanish Gold Broom  
Source: Garden and Home Show  
Quantity observed: 1  

Observation Date of Plant: 10/21/2011  
Plant Habit: Round  
Plant Height: 10-12 in.  
Plant Width: 10-15 in.  
Current Seasons Growth: 4-8 in.  

Foliage Color: Medium green  
Bark Characteristics: Not very important  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: good  
Landscape Uses: Specimen, xeriscape, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Planted in 2011 - too soon to recommend  

Observation Date of Flowers: 5/25/2011  
Flower Color: Yellow  
Flower Type: Single  
Flower Effect: Excellent  
% of Flower Coverage: 76-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Date of observation:  
Persistance:  
Fall Color:
**Scientific Name:** Daphne x burkwoodii

**Variety:**

**Cultivar:** Carol Mackie

**Family:** Thymelaeaceae

**Tsnur:** 96101

**Common Name:** Carol Mackie Daphne

**Source:** Jewell Nursery, Inc.

**Quantity observed:** 3

**PI #:**

**Observation Date of Plant:** 10/21/2011

**Plant Habit:** Broad oval

**Plant Height:** 3-5 ft.

**Plant Width:** 4 - 7 ft.

**Current Seasons Growth:** 6 - 10 in.

**Foliage Color:** Variegated medium green with cream colored edges

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Excellent

**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Excellent

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** This plant has terrific foliage aesthetics and excellent flowering.

**Observation Date of Flowers:** 4/25/2006

**Flower Color:** White to lavender/pink

**Flower Type:** Cluster

**Flower Effect:** Excellent

**% of Flower Coverage:** 80-100%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Excellent show and fabulous fragrance.

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Scientific Name: Deutzia glabrata  Variety: 
Cultivar: 70067  Family: Hydrangeaceae  Tnum: 02035
Common Name: Deutzia  Quantity observed: 2  PI #: 70067
Source: USDA/NC-7, Ames, IA

Observation Date of Plant: 9/26/2012
Plant Habit: Round
Plant Height: 3-4.5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Light to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2005. There is minor chlorosis on a few branch tips.

Observation Date of Flowers: 5/22/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair to good
% of Flower Coverage: 20-30%
Bloom Stage: Flowers open

Comments on Flowers: Will probably have more flowers as it becomes further established.

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
### Deutzia scabra

**Scientific Name:** Deutzia scabra  
**Cultivar:** Godsall  
**Family:** Saxifragaceae  
**Common Name:** Godsall Pink Deutzia  
**Source:** Bailey Nurseries  
**Quantity observed:** 3  
**Tsnm:** 89123

**Observation Date of Plant:** 9/27/2012  
**Plant Habit:** Upright oval becoming ro

**Plant Height:** 7-9 ft.  
**Plant Width:** 7-9 ft.  
**Current Seasons Growth:** 3-6 ft.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Two plants were rejuvenated in 2007 and are coming back strong. The third was done in 2009 and also has good vigor.

**Observation Date of Flowers:** 7/2/2003  
**Flower Color:** Pink/White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 51-75%  
**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
### Scientific Name: Deutzia scabra
### Variety: -0-
### Tsnum: 85169

### Cultivar: Pride of Rochester
### Family: Saxifragaceae

### Common Name: Pride of Rochester Fuzzy Deutzia

### Source: Mount Arbor Nursery
### Quantity observed: 3

### Observation Date of Plant: 9/26/2012

### Plant Habit: Upright oval to round.
### Plant Height: 6-8 ft.
### Plant Width: 7-10 ft.
### Current Seasons Growth: 2-4 ft.

### Foliage Color: Light green
### Bark Characteristics: Unimportant
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Fair to good
### Landscape Uses: Specimen, shrub border

### Overall Plant Health: Good
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems:
### Nuisances:
### Recommended: Yes

### Comments on plant: One plant died back ~75% during winter of 2007-08 and was rejuvenated in 2008. The other two were done in 2009.

### Observation Date of Flowers: 7/2/2003
### Flower Color: White
### Flower Type: Cluster
### Flower Effect: Good
### % of Flower Coverage: 51-75%
### Bloom Stage: Flowers open
### Fruit Present: no

### Comments on Flowers:

### Fall Color or Fruit:
### Date of observation:
### Aesthetics:
### Persistance:
### Fall Color:
**Scientific Name:** Deutzia x lemoinei  
**Variety:** -0-  
**Family:** Saxifragaceae  
**Cultivar:** -0-  
**Tsum:** 83148  
**Common Name:** Slender Deutzia  
**Source:** Jewell Nursery, Inc.  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 9/26/2012  
**Plant Habit:** Round  
**Plant Height:** 4-5 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 1 - 2 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Uniform growth habit. Has slight chlorosis and some tip dieback on one plant.

**Observation Date of Flowers:** 5/25/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 85-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Scientific Name:** Deutzia x lemoinei  
**Variety:** Compactum  
**Family:** Saxifragaceae  
**Tnum:** 82123  
**Common Name:** Compact Lemoine Deutzia  
**Source:** Mount Arbor Nursery  
**Quantity observed:** 3  
**PI #:** -0-  

#### Observation Date of Plant:  
9/27/2012

#### Plant Habit:  
Round

#### Plant Height:  
6-8 ft.

#### Plant Width:  
8-10 ft.

#### Current Seasons Growth:  
1 - 2 ft.

#### Foliage Color:  
Medium green

#### Bark Characteristics:  
Unimportant

#### Plant Summer Texture:  
Medium

#### Aesthetic Plant Quality:  
Fair to good

#### Landscape Uses:  
Hedge, specimen, shrub border

#### Overall Plant Health:  
Good

#### Insect Pests:

#### Pest Severity:

#### Plant Disease:

#### Disease Severity:

#### Cultural Problems:

#### Nuisances:

#### Recommended:  
Yes

#### Comments on plant:  
Seems to have much less tip dieback than most Deutzia but one has some old tips still visible. Has slight chlorosis.

#### Observation Date of Flowers:  
5/25/2006

#### Flower Color:  
White

#### Flower Type:  
Cluster

#### Flower Effect:  
Good

#### % of Flower Coverage:  
85-100%

#### Bloom Stage:  
Flowers open

#### Fruit Present:

#### Comments on Flowers:

#### Fall Color or Fruit:

#### Date of observation:

#### Aesthetics:

#### Persistance:

#### Fall Color:
Diervilla lonicera

Family: Caprifoliaceae

Observation Date of Plant: 10/9/2012

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests: 

Pest Severity: 

Plant Disease: 

Disease Severity: 

Cultural Problems: 

Nuisances: No

Recommended: No

Comments on plant: Entire plant is chlorotic.

Observation Date of Flowers: 

Flower Color: 

Flower Type: 

Flower Effect: 

% of Flower Coverage: 

Bloom Stage: 

Fruit Present: 

Comments on Flowers: 

Fall Color or Fruit: 

Aesthetics: 

Persistance: 

Fall Color: 

---
**Scientific Name:** Diervilla sessilifolia  
**Variety:**  
**Cultivar:** LPDC Podaras  
**Family:** Caprifoliaceae  
**Tsnum:** 12065  
**Common Name:** Variegated Dwarf Buch Honeysuckle  
**Source:** Bailey Nurseries  
**Quantity observed:** 3  
**PI #:**  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Round  
**Plant Height:** 2 ft.  
**Plant Width:** 2 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Variegated, dark green with white around edge  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Good  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2012 - too soon to recommend. Attractive variegated foliage but only on half the leaves.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Date of observation:**  
**Persistance:**  
**Fall Color:**
**Scientific Name:** Diospyros virginiana  
**Variety:** -0-  
**Tsunum:** 93061

**Family:** Ebenaceae

**Common Name:** Common Persimmon

**Source:** Forrest Keeling Nursery  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 9/28/2012

**Plant Habit:** Upright oval

**Plant Height:** 8-12 ft.

**Plant Width:** 7-10 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Regained vigor but getting crowded by neighboring plant. Foliage is very attractive.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Fall Color:**
Scientific Name: Elaeagnus angustifolia  
Variety: -0-  
Cultivar: -0-  
Family: Elaeagnaceae  
Tsnun: 82131  
Common Name: Russian Olive  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 8/27/2012  
Plant Habit: Irregular  
Plant Height: 20 - 25 ft.  
Plant Width: 20-30 ft.  
Current Seasons Growth: 10-15 in.  

Foliage Color: Gray/green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, xeriscape, difficult sites  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: May become a noxious weed in moist areas.  
Recommended: Marginal  
Comments on plant: Can be invasive in wet areas. Flowers are very fragrant but not very showy. Foliage is a very attractive color. Starting to collect a lot of old dead branches - some foliage wilting from possible cankers on branches.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 9/20/2004  
Aesthetics: Fair  
Persistan: 1-2 weeks  
Fall Color: silver
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Elaeagnus umbellata
Cultivar: Cardinal
Family: Elaeagnaceae
Variety:
Tnum: 94126
Common Name: Cardinal Autumn Olive
Source: Forrest Keeling Nursery
Quantity observed: 1
PI #:

Observation Date of Plant: 9/17/2012
Plant Habit: Irregular to round
Plant Height: 12-15 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium olive green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, difficult sites

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease: canker
Disease Severity: Killed major branch which was 15-20% of canopy in 2010 but nothing more in 201
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: It suckers. Fruit is showier than E. 'Michigan 777'.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow
Date of observation: 9/20/2004
Persistance: 1-3 weeks

Fall Color:

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Elaeagnus umbellata  
**Variety:** -0-  
**Cultivar:** Michigan 777  
**Family:** Elaeagnaceae  
**Tnum:** 81195  
**Common Name:** Michigan 777 Autumn Olive  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 9/17/2012  
**Plant Habit:** Arching to broad oval  
**Plant Height:** 10 - 15 ft.  
**Plant Width:** 20-30 ft.  
**Current Seasons Growth:** 8-14 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Difficult sites, large shrub  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Too large for most landscapes. Not a very showy plant. Fruit is only moderately interesting since there isn't that many of them.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Date of observation:**  
**Persistance:**  
**Fall Color:**
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<th>Scientific Name: Ephedra equisetina</th>
<th>Variety:</th>
<th>Tnum:</th>
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<tr>
<td>Cultivar:</td>
<td>Family: Ephedraceae</td>
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<tr>
<td>Common Name: Bluestem Joint Fir</td>
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<td></td>
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<tr>
<td>Source: Fort Collins Nursery</td>
<td>Quantity observed: 3</td>
<td>PI #:</td>
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<tr>
<th>Observation Date of Plant: 10/21/2011</th>
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</table>

<table>
<thead>
<tr>
<th>Plant Habit: Broad oval</th>
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</thead>
<tbody>
<tr>
<td>Plant Height: 2 - 3.5 ft.</td>
</tr>
<tr>
<td>Plant Width: 4-6 ft.</td>
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<tr>
<td>Current Seasons Growth: 12-24 in.</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Foliage Color: Blue/grey</th>
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</thead>
<tbody>
<tr>
<td>Bark Characteristics: Important</td>
</tr>
<tr>
<td>Plant Summer Texture: Fine</td>
</tr>
<tr>
<td>Aesthetic Plant Quality: Good</td>
</tr>
<tr>
<td>Landscape Uses: Specimen, xeriscape, shrub border</td>
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<table>
<thead>
<tr>
<th>Overall Plant Health: Good</th>
</tr>
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<tbody>
<tr>
<td>Insect Pests:</td>
</tr>
<tr>
<td>Pest Severity:</td>
</tr>
<tr>
<td>Plant Disease:</td>
</tr>
<tr>
<td>Disease Severity:</td>
</tr>
<tr>
<td>Cultural Problems:</td>
</tr>
<tr>
<td>Nuisances: Yes</td>
</tr>
<tr>
<td>Recommended: Yes</td>
</tr>
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|------------------------|

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
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<tbody>
<tr>
<td>Flower Color:</td>
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<td>Flower Type:</td>
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<td>Flower Effect:</td>
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<td>% of Flower Coverage:</td>
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<tr>
<td>Bloom Stage:</td>
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<tr>
<td>Fruit Present:</td>
</tr>
<tr>
<td>Comments on Flowers:</td>
</tr>
</tbody>
</table>

| Fall Color or Fruit: Date of observation: |
|---------------------|-----------------|
| Aesthetics: Persistance: |
| Fall Color: |

Page 321 of 1130
Scientific Name: Eucommia ulmoides
Family: Eucommiaceae
Tsnm: 98023

Common Name: Hardy Rubber Tree
Source: J. Frank Schmidt and Son Co

Quantity observed: 2

PI #: 98023

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 2-3 ft

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No

Comments on plant: Generally lacks vigor except the plant put a lot of growth into central leader while the rest of the canopy looks thin and weak. All plants have some dieback. One tree has 50% of branches that seem to be fighting cankers.

Observation Date of Flowers:

Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
**Scientific Name:** Euonymus alatus

**Cultivar:** Rudy Haag

**Family:** Celastraceae

**Common Name:** Rudy Haag Burning Bush

**Source:** Bailey Nurseries

**Quantity observed:** 1

**Tnum:** 00073

**Observation Date of Plant:** 10/3/2011

**Plant Habit:** Round

**Plant Height:** 3-4 ft.

**Plant Width:** 2 - 3.5 ft.

**Current Seasons Growth:** 3-6 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color

**Aesthetics:** Excellent

**Fall Color:** red, bright

**Date of observation:** 10/21/2005

**Persistance:** 1-2 weeks

---

Page 323 of 1130
### Scientific Name: **Euonymus alatus**

**Cultivar:** Timber Creek  
**Family:** Celastraceae  
**Common Name:** Chicago Fire Burning Bush

**Source:** Sjulin Nurseries  
**Quantity observed:** 2  
**Tsnm:** 02014  
**PI #:**

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Upright oval to round  
**Plant Height:** 5-7 ft.  
**Plant Width:** 5-8 ft  
**Current Seasons Growth:** 6-10 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/12/2011  
**Aesthetics:** Excellent  
**Persistance:** 1-2 weeks  
**Fall Color:** red, bright
**Scientific Name:** Euonymus alatus

**Variety:**

**Cultivar:** TREE FORM  
**Family:** Celastraceae  
**Tsum:** 09070

**Common Name:** Winged Burning Bush-tree

**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 10/3/2011

**Plant Habit:** Round

**Plant Height:** 6-7 ft.

**Plant Width:** 2-3 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, patio tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in 2011.

---

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Euonymus bungeana
Cultivar: North Platte
Family: Celastraceae
Common Name: North Platte Winterberry Euonymus
Source: Unknown
Quantity observed: 1
PI #: -0-

Tsun: 77005

Observation Date of Plant: 10/3/2011
Plant Habit: Broad oval, irregular
Plant Height: 15 - 20 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Light green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small tree or large shrub

Overall Plant Health: Excellent
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Fruit is pink and not as abundant as Euonymus 'Pink Lady'.

Observation Date of Flowers: 6/2/2003
Flower Color: Green/White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color or Fruit: light creamy, yellow, light pink, reddish

Date of observation: 10/24/2005
Persistence: 1-2 weeks

Comments on Flowers:
**Scientific Name:** Euonymus bungeana  
**Variety:** -0-  
**Cultivar:** Pink Lady  
**Family:** Celastraceae  
**Tsnm:** 78004  
**Common Name:** Pink Lady Winterberry Euonymus  
**Source:** Rose Lake Plant Material  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Broad oval, irregular  
**Plant Height:** 15 - 20 ft.  
**Plant Width:** 18 - 25 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Light green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Fruit is a very showy pink. Very attractive small tree with no problems.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/24/2005  
**Aesthetics:** Good  
**Persistence:** 1-2 weeks  
**Fall Color:** light yellow
Scientific Name: Euonymus bungeana
Cultivar: Pink Lady
Family: Celastraceae
Common Name: Pink Lady Winterberry Euonymus
Source: Los Lunas Plant Material
Quantity observed: 1

Observation Date of Plant: 10/3/2011
Plant Habit: Round
Plant Height: 12-17 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Fruit is a very showy pink. Very attractive small tree with no problems. One specimen seems more compact than the other specimen.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistence:
### Euonymus bungeana

**Scientific Name:** Euonymus bungeana  
**Cultivar:** Verona  
**Family:** Celastraceae  
**Common Name:** Prairie Radiance Winterberry  
**Source:** Bailey Nurseries  
**Tnum:** 07033  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 4-5 ft.  
**Plant Width:** 6-8 ft.  
**Current Seasons Growth:** 6-12 in.  
**Foliage Color:** Light to medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, large shrub  
**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Planted in 2009. Vigor is a little low and still seems to be trying to get established.

**Observation Date of Flowers:**

**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**  
**Persistance:**
Scientific Name: Euonymus bungeana  Variety:
Cultivar: Verona  Family: Celastraceae  Tsnum: 98080
Common Name: Autumn radiance Euonymus
Source: North Dakota State University  Quantity observed: 1  PI #:

Observation Date of Plant: 10/3/2011
Plant Habit: Broad oval
Plant Height: 5-6 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Light to medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shrub

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in arboretum in 2004.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/6/2008
Aesthetics: Good  Persistance: 1-2 weeks
Fall Color: Red/yellow
Scientific Name: Euonymus europaeus  
Variety: -0-  
Cultivar: -0-  
Family: Celastraceae  
Tsnm: 77004  
Common Name: European Euonymus  
Source: Unknown  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/3/2011  
Plant Habit: Irregular, upright  
Plant Height: 7-10 ft.  
Plant Width: 8-12 ft.  
Current Seasons Growth: 6-8 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Marginal  

Comments on plant: Had to remove a lot of dead wood (>50%) in 2003 and only a few stems are coming back with any vigor. Looks leggy.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/28/2008  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: yellow
**Scientific Name:** Euonymus europaeus

**Variety:** -0-

**Cultivar:** Aldenhamensis  
**Family:** Celastraceae  
**Tnum:** 81223

**Common Name:** Euonymus

**Source:** Smith Nursery Co.  
**Quantity observed:** 3  
**PI #:** -0-

**Observation Date of Plant:** 10/3/2011

**Plant Habit:** Broad oval

**Plant Height:** 14-17 ft.

**Plant Width:** 15-25 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Date of observation:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Persistance:**

**Date of observation:**
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<thead>
<tr>
<th>Scientific Name:</th>
<th>Euonymous europaeus</th>
<th>Variety:</th>
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</tr>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Red Cap</td>
<td>Family:</td>
<td>Celastraceae</td>
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<tr>
<td>Common Name:</td>
<td>Red Cap European Euonymous</td>
<td>Tsnm:</td>
<td>77002</td>
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<td>Source:</td>
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<tr>
<td>Tsnm:</td>
<td>77002</td>
<td>PI #:</td>
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Observation Date of Plant: 10/3/2011

Plant Habit: Round

Plant Height: 10-15 ft.

Plant Width: 18-24 ft.

Current Seasons Growth: 8 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests: 

Pest Severity: 

Plant Disease: 

Disease Severity: 

Cultural Problems: 

Nuisances: 

Recommended: Yes

Comments on plant:

---

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright red, bright pink, green, purple

Date of observation: 10/9/2003

Persist: 1-2 weeks

---

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### Scientific Name: Euonymus fortunei  
**Variety:** 
**Cultivar:** Canadale Gold  
**Family:** Celastraceae  
**Tsnm:** 95010  
**Common Name:** Canadale Gold Euonymus  
**Source:** Oregon Garden Products  
**Quantity observed:** 1  
**PI #:**

### Observation Date of Plant: 11/9/2012  
**Plant Habit:** Irregular  
**Plant Height:** 2-4 ft.  
**Plant Width:** 3-5 ft.  
**Current Seasons Growth:** 6 - 12 in. 

**Foliage Color:** Variegated  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Crowded by nearby plants.  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** The specimen observed is competing for space and may get bigger if given the room. May not be as tall if not leaning against nearby plant. 

---

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
**Scientific Name:** Euonymus fortunei  
**Variety:** -0-  
**Cultivar:** Dart's Blanket  
**Family:** Celastraceae  
**Tsnm:** 80105  
**Common Name:** Dart's Blanket Wintercreeper Euonymus  
**Source:** Monrovia Growers  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 11/9/2012  
**Plant Habit:** Spreading  
**Plant Height:** 1.5 - 3 ft.  
**Plant Width:** 6 - 10 ft  
**Current Seasons Growth:** 1 - 3 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Ground cover  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name: Euonymus fortunei</th>
<th>Variety:</th>
<th>Tsnum: 89138</th>
</tr>
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<tbody>
<tr>
<td>Cultivar: Emerald Gaiety</td>
<td>Family: Celastraceae</td>
<td></td>
</tr>
<tr>
<td>Common Name: Emerald Gaiety Euonymus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source: Zelenka Nursery</td>
<td>Quantity observed: 1</td>
<td>PI #: 0-</td>
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<tr>
<td>Observation Date of Plant: 11/9/2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Habit: Spreading</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Height: 6-12 in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Width: 5-7 ft.</td>
<td></td>
<td></td>
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<tr>
<td>Current Seasons Growth: 4-6 in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color: Variegated, medium green with white edges</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bark Characteristics: Unimportant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Summer Texture: Medium</td>
<td></td>
<td></td>
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<tr>
<td>Aesthetic Plant Quality: Fair</td>
<td></td>
<td></td>
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<tr>
<td>Landscape Uses: Shrub border, ground cover</td>
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<tr>
<td>Overall Plant Health: Fair</td>
<td></td>
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<tr>
<td>Insect Pests:</td>
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<tr>
<td>Pest Severity:</td>
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<tr>
<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
<td></td>
<td></td>
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<tr>
<td>Cultural Problems: Crowded by surrounding plants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuisances: Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended: Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on plant: Variegated leaf color is quite striking for a shady location.</td>
<td></td>
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<tr>
<td>Observation Date of Flowers:</td>
<td></td>
<td></td>
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<tr>
<td>Flower Color:</td>
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<td>Flower Type:</td>
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<td>Flower Effect:</td>
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<tr>
<td>% of Flower Coverage:</td>
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<td>Bloom Stage:</td>
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<td>Fruit Present:</td>
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<td>Comments on Flowers:</td>
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<td>Fall Color or Fruit:</td>
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<td>Aesthetics:</td>
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<td>Fall Color:</td>
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<tr>
<td>Date of observation:</td>
<td></td>
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<tr>
<td>Persistance:</td>
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</tbody>
</table>
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Euonymus fortunei  
**Variety:** radicans  
**Tnum:** 80167

**Cultivar:** Sarcoxie  
**Family:** Celastraceae

**Common Name:** Sarcoxie Wintercreeper Euonymus

**Source:** American Nursery Product/Mi  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 10/3/2011

**Plant Habit:** Broad oval

**Plant Height:** 4-6 ft.

**Plant Width:** 10-14 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Shady areas, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Growth habit can appear leggy but would look fine with a little regular pruning each year.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Euonymus kiautschovicus  
**Variety:**  
**Cultivar:** Paulii  
**Family:** Celastraceae  
**Tsum:** 04047  
**Common Name:** Pauli Euonymus  
**Source:** Greenleaf Nursery Co.  
**Quantity observed:** 1  

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>10/3/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Broad oval</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>6-10 in.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>2-3 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>4-8 in.</td>
</tr>
</tbody>
</table>

| **Foliage Color:**            | Medium green|
| **Bark Characteristics:**     | Unimportant |
| **Plant Summer Texture:**     | Medium     |
| **Aesthetic Plant Quality:**  | Fair to poor|
| **Landscape Uses:**           | Shady areas, shrub border|

| **Overall Plant Health:**     | Fair       |
| **Insect Pests:**             |            |
| **Pest Severity:**            |            |
| **Plant Disease:**            |            |
| **Disease Severity:**         |            |
| **Cultural Problems:**        |            |
| **Nuisances:**                |            |
| **Recommended:**              | Marginal   |
| **Comments on plant:**        |            |

**Observation Date of Flowers:**

| **Flower Color:**            |            |
| **Flower Type:**             |            |
| **Flower Effect:**           |            |
| **% of Flower Coverage:**    |            |
| **Bloom Stage:**             |            |
| **Fruit Present:**           |            |
| **Comments on Flowers:**     |            |

| **Fall Color or Fruit:**     |            |
| **Aesthetics:**              |            |
| **Fall Color:**              |            |

| **Date of observation:**     |            |
| **Persistance:**             |            |
Scientific Name: Euonymus turkensis
Variety: -0-
Cultivar: Nana
Family: Celastraceae
Tnum: 78159

Common Name: Dwarf Turkish Euonymus

Source: Unknown
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 10/3/2011

Plant Habit: Upright oval
Plant Height: 3-4 ft.
Plant Width: 3-4 ft
Current Seasons Growth: 12-24 in.

Foliage Color: Dark to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in 2010 and coming back strong.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:
### Scientific Name: Exochorda serratifolia
### Family: Rosaceae
### Tnum: 01038
### Variety: Northern Pears

**Scientific Name:** Exochorda serratifolia  
**Family:** Rosaceae  
**Tnum:** 01038  
**Variety:** Northern Pears

**Common Name:** Northern Pearls Pearlbrush  
**Source:** Bailey Nurseries

**Observation Date of Plant:** 9/26/2012
**Plant Habit:** Upright oval
**Plant Height:** 8-10 ft.
**Plant Width:** 6-9 ft.
**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in 2005. Flowers are impressive.

**Observation Date of Flowers:** 4/26/2006
**Flower Color:** White
**Flower Type:** Cluster
**Flower Effect:** Excellent
**% of Flower Coverage:** 50-75%
**Bloom Stage:** Flowers open
**Fruit Present:**

**Comments on Flowers:** Large flowers with nice shape are very showy.

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**

---

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<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Fagus sylvatica</th>
<th><strong>Variety:</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>Asplenifolia</td>
<td><strong>Family:</strong></td>
<td>Fagaceae</td>
</tr>
<tr>
<td><strong>Common Name:</strong></td>
<td>Fern-leaf Beech</td>
<td><strong>Tnum:</strong></td>
<td>04045</td>
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<tr>
<td><strong>Source:</strong></td>
<td>Schichtel's Nursery</td>
<td><strong>Quantity observed:</strong></td>
<td>1</td>
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</table>

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Upright oval

**Plant Height:** 7-9 ft.

**Plant Width:** 5-7 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** specimen, shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Planted in 2008 and starting to look very nice.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:**  Fagus sylvatica

**Cultivar:**  Atropurpurea  

**Family:**  Fagaceae

**Common Name:**  European Beech

**Source:**  Amfac Nurseries California

**Quantity observed:**  1  

**Tnum:**  82167

**Observation Date of Plant:**  10/4/2011

**Plant Habit:**  Upright oval or vase

**Plant Height:**  14-19 ft.

**Plant Width:**  15-20 ft

**Current Seasons Growth:**  18-14 in.

**Foliage Color:**  Dark green with red/purple shading

**Bark Characteristics:**  Not very important

**Plant Summer Texture:**  Medium

**Aesthetic Plant Quality:**  Good

**Landscape Uses:**  Specimen, screen

**Overall Plant Health:**  Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:**  Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
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<th>Tnum: 96048</th>
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<tbody>
<tr>
<td>Cultivar: Red Obelisk</td>
<td>Family: Ericaceae</td>
<td></td>
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<tr>
<td>Common Name: Red Obelisk Beech</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source: Oregon Garden Products</td>
<td>Quantity observed: 1</td>
<td>PI #:</td>
</tr>
</tbody>
</table>

| Observation Date of Plant: 10/4/2011 | Plant Habit: Columnar | |
| Current Seasons Growth: 6-12 in. | |

| Foliage Color: Red/dark green | Bark Characteristics: Not very important | |
| Plant Summer Texture: Medium | Aesthetic Plant Quality: Good | |
| Landscape Uses: Specimen, screen, narrow/confined areas | | |

| Overall Plant Health: Good | Insect Pests: | |
| Pest Severity: | Plant Disease: | |
| Disease Severity: | Cultural Problems: | |
| Nuisances: Yes | Recommended: | |
| Comments on plant: Foliage is dark green with shades of dark red. | | |

| Observation Date of Flowers: | Flower Color: | |
| Flower Type: | Flower Effect: | |
| % of Flower Coverage: | Bloom Stage: | |
| Fruit Present: | Comments on Flowers: | |

| Fall Color or Fruit: Fall color | Date of observation: 10/28/2008 | |
| Aesthetics: Excellent | Persistance: 1-2 weeks | |
| Fall Color: Yellow/gold | | |
### Scientific Name: Fagus sylvatica
### Variety: -0-
### Cultivar: Riversii
### Family: Betulaceae
### Tsnum: 78160
### Common Name: Rivers European Beech
### Source: Siebenthaler Nursery
### Quantity observed: 1
### PI #: -0-

### Observation Date of Plant: 10/4/2011
### Plant Habit: Vase to upright oval
### Plant Height: 25-30 ft.
### Plant Width: 15-20 ft.
### Current Seasons Growth: 8-12 in.

### Foliage Color: Purple
### Bark Characteristics: Intermediate importance
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Good
### Landscape Uses: Specimen, screen, narrow/confined areas

### Overall Plant Health: Good
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems:
### Nuisances: Yes
### Recommended: Yes
### Comments on plant: Large, inactive canker wound has significant decay in trunk which will eventually cause structural problems.

### Observation Date of Flowers:
### Flower Color:
### Flower Type:
### Flower Effect:
### % of Flower Coverage:
### Bloom Stage:
### Fruit Present:
### Comments on Flowers:

### Fall Color or Fruit: Date of observation:
### Aesthetics: Persistance:
### Fall Color:
**Scientific Name:** Fagus sylvatica  
**Cultivar:** Roseo-marginata  
**Family:** Fagaceae  
**Common Name:** European Beech  
**Source:** Amfac Nurseries California  
**Quantity observed:** 3  
**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval to round  
**Plant Height:** 18-24 ft.  
**Plant Width:** 20-25 ft.  
**Current Seasons Growth:** 6-12 in  
**Foliage Color:** Variegated, dark green with white and green margins  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Excellent  
**Landscape Uses:** Specimen, small/confined areas  
**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Foliage color is stunning in spring with green, white and some pink.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Aesthetics:** Good  
**Fall Color:** Mostly burnt yellow but some orange  
**Date of observation:** 10/28/2008  
**Persistance:** 1-2 weeks
Scientific Name: Fagus sylvatica  Variety: 
Cultivar: Spaethiana  Family: Fagaceae  Tnum: 95035
Common Name: Spaeth’s Purple Beech
Source: J. Frank Schmidt and Son Co  Quantity observed: 1

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval to pyramidal
Plant Height: 18-24 ft.
Plant Width: 18-24 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green/red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
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<th>Scientific Name:</th>
<th>Fallugia paradoxa</th>
<th>Variety:</th>
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<tr>
<td>Cultivar:</td>
<td></td>
<td>Tnum: 03163</td>
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<tr>
<td>Common Name:</td>
<td>Apache Plume</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Fort Collins Nursery</td>
<td>Quantity observed: 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PI #:</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/21/2011  
**Plant Habit:** Broad oval to irregular  
**Plant Height:** 4-5 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** A good plant for tough sites.

**Observation Date of Flowers:** 6/1/2006  
**Flower Color:** White  
**Flower Type:** Single  
**Flower Effect:** Good  
**% of Flower Coverage:** 40-50%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Will continue to bloom throughout the summer at a slower rate but seed plumes are very showy and extend interest.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
**Scientific Name:** Fontanesia fortunei  
**Family:** Oleaceae

**Common Name:** Fortune Fontanesia  
**Source:** OE White Research Arboretum

**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 9/29/2011

**Plant Habit:** Upright oval

**Plant Height:** 10-12 ft.

**Plant Width:** 8-12 ft

**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**

**Tnum:** 88009
Scientific Name: Fontanesia fortunei  Variety: -0-
Cultivar: Titan  Family: Oleaceae  Tsnem: 90015
Common Name: Titan Fontanesia
Source: Jewell Nursery, Inc.  Quantity observed: 2  PI #: -0-

Observation Date of Plant: 9/29/2011
Plant Habit: Upright oval
Plant Height: 20-25 ft.
Plant Width: 15-22 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border, screen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Fine foliage and growth habit seems to give somewhat of a tropical appearance.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
**2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center**  
**Colorado State University, Fort Collins, Colorado**

| **Scientific Name:** | Forestiera neomexicana | **Variety:** |  
| **Cultivar:** | Family: Oleaceae | **Tnum:** 96069 |  
| **Common Name:** | Desert Olive |  
| **Source:** USDA/NC-7, Ames, IA | **Quantity observed:** 1 | **PI #:** - |  
| **Observation Date of Plant:** | 9/30/2011 |  
| **Plant Habit:** | Irregular |  
| **Plant Height:** | 7-9 ft. |  
| **Plant Width:** | 10-12 ft. |  
| **Current Seasons Growth:** | 10-15 in. |  
| **Foliage Color:** | Medium green |  
| **Bark Characteristics:** | Intermediate importance |  
| **Plant Summer Texture:** | Medium |  
| **Aesthetic Plant Quality:** | Fair to good |  
| **Landscape Uses:** | Specimen, xeriscape, shrub border |  
| **Overall Plant Health:** | Good |  
| **Insect Pests:** |  
| **Pest Severity:** |  
| **Plant Disease:** |  
| **Disease Severity:** |  
| **Cultural Problems:** |  
| **Nuisances:** |  
| **Recommended:** | Yes |  
| **Comments on plant:** | Habit seems deformed by snow load. |  

**Observation Date of Flowers:**

| **Flower Color:** |  
| **Flower Type:** |  
| **Flower Effect:** |  
| **% of Flower Coverage:** |  
| **Bloom Stage:** |  
| **Fruit Present:** |  
| **Comments on Flowers:** |  

| **Fall Color or Fruit:** | **Date of observation:** | **Aesthetics:** | **Persistance:** | **Fall Color:** |  
| **Date of observation:** |  
| **Aesthetics:** |  
| **Persistance:** |  
| **Fall Color:** |  

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Scientific Name: Forestiera neomexicana

Family: Oleaceae

Tsnum: 78016

Common Name: Desert Olive

Source: Los Lunas Plant Material

Quantity observed: 4

PI #: -0-

Observation Date of Plant: 9/29/2011

Plant Habit: Upright oval becoming ro

Plant Height: 18-22 ft.

Plant Width: 15-22 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border, small tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Yes

Recommended: Yes

Comments on plant: Has interesting bark if pruned into a small tree. Stems seem to lean outward with age.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: No petals - just anthers, so the flower isn't too showy.

Fall Color or Fruit: Fall color

Date of observation: 10/9/2003

Aesthetics: Fair

Persistance: 1-2 weeks

Fall Color: yellow
Scientific Name: Forestiera neomexicana
Cultivar: -0-  Family: Oleaceae
Common Name: Desert Olive
Source: USDA/NC-7, Ames, IA
Quantity observed: 2  PI #: PI495889

Observation Date of Plant: 9/29/2011
Plant Habit: Upright, irregular
Plant Height: 8 - 10 ft.
Plant Width: 8 - 10 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border, small tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Has interesting bark if pruned into a small tree. Stems seem to lean outward with age.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/9/2003
Aesthetics: Fair  Persistance: 1-2 weeks
Fall Color: yellow
### Forsythia

**Scientific Name:** Forsythia  
**Cultivar:** Fiesta  
**Family:** Oleaceae  
**Variety:**  
**Tnum:** 03119  
**Common Name:** Fiesta Forsythia  
**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**PI #:**

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<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>10/11/2011</th>
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<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Irregular</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>4-5 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>4-6 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>24-36 in.</td>
</tr>
</tbody>
</table>

**Foliage Color:** Green/yellow variegation  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2004. Unique foliage color.

<table>
<thead>
<tr>
<th><strong>Observation Date of Flowers:</strong></th>
<th>3/27/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flower Color:</strong></td>
<td>Yellow</td>
</tr>
<tr>
<td><strong>Flower Type:</strong></td>
<td>Cluster</td>
</tr>
<tr>
<td><strong>Flower Effect:</strong></td>
<td>Fair to poor</td>
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<tr>
<td><strong>% of Flower Coverage:</strong></td>
<td>20-25%</td>
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<tr>
<td><strong>Bloom Stage:</strong></td>
<td>Flowers open</td>
</tr>
<tr>
<td><strong>Fruit Present:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Comments on Flowers:</strong></td>
<td></td>
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</tbody>
</table>

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Scientific Name: Forsythia  
Variety: -0-  
Cultivar: Northern Gold  
Family: Oleaceae  
Tnum: 87094  
Common Name: Northern Gold Forsythia  
Source: Bailey Nurseries  
Quantity observed: 3  
PI #: -0-  

Observation Date of Plant: 10/12/2011  
Plant Habit: Irregular  
Plant Height: 6 - 8 ft.  
Plant Width: 10-12 ft.  
Current Seasons Growth: 3-4 ft.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Poor to fair  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: One of three is slow to come back from rejuvenation in 2007. Second plant was deformed by snow on 10/25/11.  

Observation Date of Flowers: 3/27/2012  
Flower Color: yellow  
Flower Type: Cluster  
Flower Effect: Fair  
% of Flower Coverage: 50-65%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  

Date of observation:  
Persistence:
## Scientific Name: Forsythia mandshurica  
**Variety:** -0-  
**Cultivar:** Vermont Sun  
**Family:** Oleaceae  
**Tsnum:** 87197  
**Common Name:** Vermont Sun Forsythia  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 1  
**PI #:** -0-  

### Observation Date of Plant: 10/12/2011  
**Plant Habit:** Irregular to round  
**Plant Height:** 5-6 ft.  
**Plant Width:** 5-8 ft.  
**Current Seasons Growth:** 8-14 in.  

### Foliage Color: Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen, shrub border  

### Overall Plant Health: Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Foliage is much larger than most Forsythias and more round. Growth habit is less leggy than other Forsythias.

### Observation Date of Flowers: 3/27/2012  
**Flower Color:** yellow  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 20-30%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Never has had many flowers.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Forsythia ovata  
Family: Oleaceae  
Tsum: 82132
Variety: -0-

Common Name: Early Forsythia

Source: USDA/NC-7, Ames, IA
Quantity observed: 3
PI #: -0-

Observation Date of Plant: 10/12/2011

Plant Habit: Irregular
Plant Height: 6 - 8 ft.
Plant Width: 8 - 10 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of three has a thin canopy and less vigor.

Observation Date of Flowers: 3/19/2012
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 50-70%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Not as showy as others.

Fall Color or Fruit:
Aesthetics:
Fall Color:
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<tr>
<td><strong>Cultivar:</strong> Meadowlark</td>
<td><strong>Family:</strong> Oleaceae</td>
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<tr>
<td><strong>Common Name:</strong> Meadowlark Border Forsythia</td>
<td><strong>Tsum:</strong> 84226</td>
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<td><strong>Source:</strong> South Dakota State University</td>
<td><strong>Quantity observed:</strong> 3</td>
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<tr>
<td><strong>PI #:</strong> -0-</td>
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</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/12/2011

**Plant Habit:** Irregular

**Plant Height:** 6-8 ft.

**Plant Width:** 8-12 ft.

**Current Seasons Growth:** 1-3 ft.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:** 3/20/2012

**Flower Color:** yellow

**Flower Type:** Cluster

**Flower Effect:** Good to excellent

**% of Flower Coverage:** 80-90%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**

---

Page 357 of 1130
Scientific Name: Forsythia species  
Variety: -0-  
Tsnm: 82222  

Family: Oleaceae  

Common Name: Forsythia  

Source: USDA, Glendale, MD  
Quantity observed: 2  

PI #: -0-  

Observation Date of Plant: 10/12/2011  

Plant Habit: Irregular  

Plant Height: 6-8 ft.  

Plant Width: 14-18 ft.  

Current Seasons Growth: 4-6 ft.  

Foliage Color: Medium to dark green  

Bark Characteristics: Unimportant  

Plant Summer Texture: Coarse  

Aesthetic Plant Quality: Fair  

Landscape Uses: Specimen, shrub border  

Overall Plant Health: Excellent  

Insect Pests:  

Pest Severity:  

Plant Disease:  

Disease Severity:  

Cultural Problems:  

Nuisances:  

Recommended: Yes  

Comments on plant: Exceptional vigor in the past five years.  

Observation Date of Flowers: 3/26/2012  

Flower Color: yellow  

Flower Type: Cluster  

Flower Effect: Excellent  

% of Flower Coverage: 90-100%  

Bloom Stage: Flowers open  

Fruit Present:  

Comments on Flowers:  

Fall Color or Fruit:  

Date of observation:  

Aesthetics:  

Persistance:  

Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Forsythia spectabilis  
**Variety:** -0-  
**Family:** Oleaceae  
**Tsnm:** 86173

**Cultivar:** Showy Border  
**Common Name:** Showy Border Forsythia

**Source:** Forrest Keeling Nursery  
**Quantity observed:** 3  
**PI #:** -0-  
**PI #:** -0-

**Observation Date of Plant:** 10/12/2011

**Plant Habit:** Irregular

**Plant Height:** 5-7 ft.

**Plant Width:** 8 - 10 ft.

**Current Seasons Growth:** 3-5 ft.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:** 3/26/2012

**Flower Color:** yellow

**Flower Type:** Cluster

**Flower Effect:** Good to excellent

**% of Flower Coverage:** 80-90%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Relatively shorter petals but a lot of them.

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**
### Scientific Name: Forsythia suspensa

**Variety:** -0-

**Tsn:** 83143

**Cultivar:** -0-  **Family:** Oleaceae

**Common Name:** Weeping Forsythia

**Source:** Mount Arbor Nursery  **Quantity observed:** 1  **PI #:** -0-

#### Observation Date of Plant: 10/11/2011

**Plant Habit:** Irregular

**Plant Height:** 3-6 ft.

**Plant Width:** 8-10 ft.

**Current Seasons Growth:** 2-3 ft.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Poor

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** No

**Recommended:** No

**Comments on plant:** Rejuvenated in 2004. Never is very showy and has a poor growth habit. 10% of canopy (on some tips) is chlorotic.

#### Observation Date of Flowers: 3/27/2012

**Flower Color:** yellow

**Flower Type:** Cluster

**Flower Effect:** Poor

**% of Flower Coverage:** 10-15%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Not many flowers this year and generally a poor performer in the past.
Scientific Name: Forsythia viridissima  
Cultivar: Klein  
Family: Oleaceae  
Variety:  
Tnum: 02015  
Common Name: Klein Dwarf Forsythia  
Source: Sjunin Nurseries  
Quantity observed: 3  
PI #:  

Observation Date of Plant: 10/12/2011  
Plant Habit: Irregular  
Plant Height: 4-6 ft  
Plant Width: 6-8 ft  
Current Seasons Growth: 1-2 ft  

Foliage Color: Dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Growth habit is much more attractive than most Forsythias - less leggy.

Observation Date of Flowers: 3/20/2012  
Flower Color: yellow  
Flower Type: Cluster  
Flower Effect: Poor to fair  
% of Flower Coverage: 30-40%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers: Never has had many flowers. Only one of three plants has flowers.

Fall Color or Fruit:  
Aesthetics:  
Date of observation:  
Persistance:  
Fall Color:
Scientific Name: Forsythia x
Cultivar: 7706-1  Family: Oleaceae
Common Name: 7706-1 Forsythia  Tnum: 95060
Source: Sjulin Nurseries  Variety:  Quantity observed: 2

Observation Date of Plant: 10/12/2011

Plant Habit: Irregular
Plant Height: 5-7 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 3/20/2012
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 85-100%
Bloom Stage: Flowers open
Fruit Present: no
Comments on Flowers: Very dense flowering and a more vibrant color of yellow than most. One of the most dependable and showy in the arboretum.
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Forsythia x
Cultivar: New Hampshire Gold
Family: Oleaceae
Common Name: New Hampshire Gold Forsythia
Source: Jewell Nursery, Inc.
Quantity observed: 7

Variety: -0- Tsnum: 89147

Observation Date of Plant: 10/12/2011
Plant Habit: Irregular to broad oval
Plant Height: 5-7 ft.
Plant Width: 6 - 10 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Observation Date of Flowers: 3/20/2012
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Fruit Present: no
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Forsythia x
Family: Oleaceae

Cultivar: Northern Sun
Common Name: Northern Sun Forsythia

Source: Sjulin Nurseries

Quantity observed: 3
	
PI #: 94001

Tsnun: 94001

Observation Date of Plant: 10/11/2011
Plant Habit: Irregular
Plant Height: 6 - 8 ft.
Plant Width: 6 - 10 ft.
Current Seasons Growth: 1 - 3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good to poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good to poor

Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No

Comments on plant: Two of three have been rejuvenated since 2008 and have a lot of stunted and deformed foliage like it is being affected by a virus or herbicide drift. Exact cause is unknown but looks near death while third looks good - normal.

Observation Date of Flowers: 3/20/2012
Flower Color: yellow
Flower Type: Cluster

Flower Effect: Good
% of Flower Coverage: 65-75%
Bloom Stage: Flowers open
Fruit Present:

Comments on Flowers:

Fall Color or Fruit: 

Aesthetics: 

Fall Color:
<table>
<thead>
<tr>
<th>Scientific Name: Forsythia x intermedia</th>
<th>Variety: -0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Beatrix Ferrand</td>
<td>Family: Oleaceae</td>
</tr>
<tr>
<td>Common Name: Beatrix Ferrand Border Forsythia</td>
<td></td>
</tr>
<tr>
<td>Source: Mount Arbor Nursery</td>
<td>Quantity observed: 3</td>
</tr>
<tr>
<td></td>
<td>PI #: -0-</td>
</tr>
<tr>
<td>Observation Date of Plant: 10/12/2011</td>
<td></td>
</tr>
<tr>
<td>Plant Habit: Irregular</td>
<td></td>
</tr>
<tr>
<td>Plant Height: 6-8 ft.</td>
<td></td>
</tr>
<tr>
<td>Plant Width: 13-18 ft.</td>
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<tr>
<td>Current Seasons Growth: 3 - 4 ft.</td>
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<td>Foliage Color: Medium green</td>
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<tr>
<td>Bark Characteristics: Unimportant</td>
<td></td>
</tr>
<tr>
<td>Plant Summer Texture: Coarse</td>
<td></td>
</tr>
<tr>
<td>Aesthetic Plant Quality: Good to fair</td>
<td></td>
</tr>
<tr>
<td>Landscape Uses: Specimen, shrub border</td>
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</tr>
<tr>
<td>Overall Plant Health: Good</td>
<td></td>
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<tr>
<td>Insect Pests:</td>
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<td>Pest Severity:</td>
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<td>Cultural Problems:</td>
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<td>Nuisances:</td>
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<tr>
<td>Recommended: Yes</td>
<td></td>
</tr>
<tr>
<td>Comments on plant: Rejuvenated in 2008 and one of three still looks anemic.</td>
<td></td>
</tr>
</tbody>
</table>

| Observation Date of Flowers: 3/20/2012 |
| Flower Color: yellow |
| Flower Type: Cluster |
| Flower Effect: Good |
| % of Flower Coverage: 70-80% |
| Bloom Stage: Flowers open |
| Fruit Present: |
| Comments on Flowers: This plant might flower better in more sun. |
| Fall Color or Fruit: | Date of observation: |
| Aesthetics: | Persistance: |
| Fall Color: | |

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Scientific Name: Forsythia x intermedia
Cultivar: Golden Belle
Family: Oleaceae
Variety: -0-
Tsun: 86172

Common Name: Golden Belle Border Forsythia
Source: Forrest Keeling Nursery
Quantity observed: 2

Observation Date of Plant: 10/12/2011

Plant Habit: Irregular
Plant Height: 8-12 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 4-5 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Exceptionally vigorous. One of two was rejuvenated in 2008 and has anemic growth and is a fourth of the size of the other plant.

Observation Date of Flowers: 3/23/2012
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Flowers are twice as big as most Forsythia.

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
Scientific Name: Forsythia x intermedia
Cultivar: Lynwood Gold
Family: Oleaceae
Variety:
Tnum: 94006
Common Name: Lynwood Gold Forsythia
Source: Mount Arbor Nursery
Quantity observed: 3
PI #:

Observation Date of Plant: 10/12/2011
Plant Habit: Irregular
Plant Height: 8 - 10 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 4-6 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes
Comments on plant: Vigor is impressive.

Observation Date of Flowers: 3/27/2012
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 95-100%
Bloom Stage: Flowers open
Fruit Present: 
Comments on Flowers: Large flowers with vibrant color and very abundant.

Fall Color or Fruit: 
Aesthetics: 
Date of observation:
Persistance:
Fall Color:
Scientific Name: Forsythia x intermedia
Variety: -0- 
Cultivar: Spring Glory  Family: Oleaceae
Common Name: Spring Glory Border Forsythia
Source: Monrovia Growers  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 10/12/2011
Plant Habit: Irregular
Plant Height: 6-8 ft.
Plant Width: 3-6 ft.
Current Seasons Growth: 5-7 ft.

Foliage Color: Dark Green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Rejuvenated in 2008. Looks very leggy - only has about seven branches.

Observation Date of Flowers: 3/23/2012
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Forsythia x intermedia
Variety: -0-
Cultivar: Sunrise
Family: Oleaceae
Tsum: 82124
Common Name: Sunrise Border Forsythia
Source: Mount Arbor Nursery
Quantity observed: 3
PI #: -0-

Observation Date of Plant: 10/12/2011
Plant Habit: Irregular
Plant Height: 5-7 ft.
Plant Width: 10-12 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 3/21/2012
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Relatively shorter petals but a lot of them.

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Bronze/purple
Date of observation: 10/28/2008
Persistence: 1-2 weeks
Scotland 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Fraxinus
Cultivar: Northern Treasure
Family: Oleaceae
Variety: Northern Treasure Ash
Tsum: 00068

Source: Bailey Nurseries
Quantity observed: 1

Observation Date of Plant: 10/11/2011
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Would probably be wider and look better if not crowded by neighboring trees.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Persistance: 1-2 weeks
Date of observation: 9/20/2004
Fall Color: yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Fraxinus americana
Cultivar: Autumn Applause
Family: Oleaceae
Common Name: Autumn Applause White Ash
Source: A. McGill & Son Nursery
Quantity observed: 1

Tsnum: 91070

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 14-18 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good to fair
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests: Borers
Pest Severity: Slight injury
Plant Disease: Canker
Disease Severity: Moderate injury
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Moved in 2003 due to unavoidable construction. Canopy looks fine but canker wounds on upper main trunk killed central leader. Lower laterals are taking over - growth habit is skewed. Still looks okay generally.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 9/20/2004
Aesthetics: Excellent
Persistance: 1-2 weeks
Fall Color: purple
Scientific Name: Fraxinus americana    Variety: -0-
Cultivar: Autumn Blaze    Family: Oleaceae    Tsnum: 86155
Common Name: Autumn Blaze White Ash
Source: Bailey Nurseries    Quantity observed: 1    PI #: -0-

Observation Date of Plant: 10/11/2011
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 40-48 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Very nice growth habit and strong central leader.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color    Date of observation: 10/6/2008
Aesthetics: Good    Persistance: 1-2 weeks
Fall Color: Yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Fraxinus americana  
**Variety:** -0-  
**Cultivar:** Autumn Purple  
**Family:** Oleaceae  
**Tsunum:** 78161  
**Common Name:** Autumn Purple White Ash  
**Source:** Milton Nursery  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 10/11/2011  
**Plant Habit:** Upright oval to round  
**Plant Height:** 50-55 ft.  
**Plant Width:** 45-55 ft.  
**Current Seasons Growth:** 8 - 12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, large shade tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/23/2004  
**Aesthetics:** Good  
**Persistance:** 2-4 weeks  
**Fall Color:** purple, yellow
### Scientific Name: Fraxinus americana  
**Variety:**  
**Cultivar:** Chicago Regal  
**Family:** Oleaceae  
**Tnum:** 96123

**Common Name:** Chicago Regal Ash  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 16-20 ft.  
**Plant Width:** 10-12 ft.  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Moved in 2003 due to unavoidable construction. Attractive growth habit.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/7/2009  
**Aesthetics:** Excellent  
**Persistance:** 1-2 weeks  
**Fall Color:** purple, rose
Scientific Name: Fraxinus americana  
Variety: 
Cultivar: Empire  
Family: Oleaceae  
Tnum: 96124

Common Name: Empire White Ash  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1

PI #: 

Observation Date of Plant: 10/4/2011

Plant Habit: Upright oval

Plant Height: 18-20 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests: 

Pest Severity: 

Plant Disease: Canker - appears to be inactive

Disease Severity: Slight injury

Cultural Problems: 

Nuisances: Yes

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Vigor is low but still looks acceptable.

Observation Date of Flowers:

Flower Color: 

Flower Type: 

Flower Effect: 

% of Flower Coverage: 

Bloom Stage: 

Fruit Present: 

Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 9/23/2004

Aesthetics: Excellent  
Persistance: 1-2 weeks

Fall Color: purple
Scientific Name: Fraxinus americana  
Variety:  
Cultivar: Empire  
Family: Oleaceae  
Tnum: 96135  
Common Name: Empire White Ash  
Source: Schichtel's Nursery  
Quantity observed: 1  

Observation Date of Plant: 10/11/2011  
Plant Habit: Upright oval  
Plant Height: 40-50 ft.  
Plant Width: 20-25 ft  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease: Canker  
Disease Severity: Moderate to severe injury  
Cultural Problems:  
Nuisances: Marginal  
Recommended: Marginal  
Comments on plant: Canopy still looks good but canker on trunk appears to be about 2/3 around the trunk.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
### Scientific Name: Fraxinus americana  
### Cultivar: Northern Blaze  
### Family: Oleaceae  
### Common Name: Northern Blaze White Ash  
### Source: Plant Select Multisite Study  
### Quantity observed: 1

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/4/2011</th>
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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>8 - 10 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>7-10 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>12-18 in.</td>
</tr>
</tbody>
</table>

- **Foliage Color:** Medium green  
- **Bark Characteristics:** Unimportant  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Good  
- **Landscape Uses:** Residential street, specimen, large shade tree

#### Overall Plant Health:
- Good

#### Insect Pests:
- Borer

#### Pest Severity:
- Slight injury

#### Plant Disease:

#### Disease Severity:

#### Cultural Problems:

#### Nuisances:
- Yes

#### Recommended:
- Yes

#### Comments on plant:
- Planted in arboretum in 2007.

#### Observation Date of Flowers:

#### Flower Color:

#### Flower Type:

#### Flower Effect:

#### % of Flower Coverage:

#### Bloom Stage:

#### Fruit Present:

#### Comments on Flowers:

- **Fall Color or Fruit:** Fall color  
  - **Date of observation:** 10/1/2009  
  - **Persistance:** 1-2 weeks  
- **Aesthetics:** fair  
- **Fall Color:** yellow, brown
Scientific Name: Fraxinus americana  Variety:  
Cultivar: Northern Gem  Family: Oleaceae  
Common Name: Northern Gem White Ash  
Source: Bailey Nurseries  Quantity observed: 1  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 13-17 ft.  
Plant Width: 8-10 ft.  
Current Seasons Growth: 1-3 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen, shade tree  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Moved in 2003 due to unavoidable construction.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  Date of observation: 9/23/2009  
Aesthetics: Good  Persistance: 1-2 weeks  
Fall Color: Golden yellow
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Fraxinus americana</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Rosehill</td>
<td>Family:</td>
<td>Oleaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Rosehill White Ash</td>
<td>Tnum:</td>
<td>88056</td>
</tr>
<tr>
<td>Source:</td>
<td>A. McGill &amp; Son Nursery</td>
<td>Quantity observed:</td>
<td>2</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/11/2011

**Plant Habit:** Upright oval

**Plant Height:** 40-47 ft.

**Plant Width:** 30-40 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
Scientific Name: Fraxinus americana
Cultivar: Royal Purple
Common Name: Royal Purple White Ash
Source: Carlton Plants

Variety: 
Family: Oleaceae

Tnum: 06011

Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Planted in 2009. One of two lost 30% of canopy due to snow damage on 10/25/11.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
### Scientific Name: Fraxinus americana

### Cultivar: Skyline

### Variety: -0-

### Family: Oleaceae

### Tnum: 86192

### Common Name: Skyline White Ash

### Source: Schichtel's Nursery

### Quantity observed: 2

### PI #: -0-

### Observation Date of Plant: 10/11/2011

### Plant Habit: Upright oval

### Plant Height: 40-50 ft.

### Plant Width: 40-50 ft.

### Current Seasons Growth: 8-12 in.

### Foliage Color: Medium green

### Bark Characteristics: Intermediate importance

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Residential street, specimen

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances: Yes

### Recommended: Yes

### Comments on plant: Growth habit is very attractive.

---

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit: Fall color

### Date of observation: 10/9/2003

### Aesthetics: Excellent

### Persistance: 1-2 weeks

### Fall Color: creamy yellow, orange
**Scientific Name:** Fraxinus americana  
**Cultivar:** Tures  
**Family:** Oleaceae  
**Variety:**  
**Tnum:** 95036  
**Common Name:** Windy City Ash  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 2  

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 18-22 ft.  
**Plant Width:** 12-17 ft  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, specimen, large shade tree  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Cankers  
**Disease Severity:** Moderate to severe injury  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Moved in 2003 due to unavoidable construction. Both have cankers on trunk and which are reducing vigor.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/23/2004  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** orange, yellow
Scientific Name: Fraxinus excelsior
Cultivar: 
Common Name: Common Ash
Source: USDA/NC-7, Ames, IA
Quantity observed: 2

Tnum: 04040

Variety: 
Family: Oleaceae

PI #: 25520

Observation Date of Plant: 10/11/2011
Plant Habit: Upright oval
Plant Height: 10-12 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: n/a
Recommended: 
Comments on plant: Planted in 2010 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Fraxinus excelsior  
Variety: -0-  
Tsnum: 78164  
Cultivar: Kimberly Blue  
Family: Oleaceae  
Common Name: Kimberly Blue European Ash  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/14/2011  
Plant Habit: Upright oval to round  
Plant Height: 35-40 ft.  
Plant Width: 35-40 ft.  
Current Seasons Growth: 12-18 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen, large shade tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Fungal conk is developing from old pruning cut due to storm damage on large limb.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
**Scientific Name:** Fraxinus hybrid  
**Cultivar:** Northern Gem  
**Family:** Oleaceae  
**Tnum:** 00060  
**Common Name:** Northern Gem Ash  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 1  
**PI #:** -  

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 8-10 ft.  
**Plant Width:** 6-9 ft.  
**Current Seasons Growth:** 2-4 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Residential street, specimen, shade tree  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/23/2009  
**Aesthetics:** Fair to good  
**Persistance:** 1-2 weeks  
**Fall Color:** Yellow  

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**Scientific Name:** Fraxinus mandshurica  
**Common Name:** Manchurian Ash  
**Family:** Oleaceae  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 1  
**Tnum:** 01025  
**PI #:** 26081

**Observation Date of Plant:** 10/11/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 6-8 ft.  
**Plant Width:** 1-2 ft.  
**Current Seasons Growth:** 1-3 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, specimen, shade tree

**Overall Plant Health:** Fair to poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Was in the lathhouse too long.  
**Nuisances:** n/a  
**Recommended:** fuel  
**Comments on plant:** Planted in 2011 - too soon to recommend.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Fraxinus mandshurica</th>
<th>Variety:</th>
<th>-0-</th>
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</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Family:</td>
<td>Oleaceae</td>
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<tr>
<td>Common Name:</td>
<td>Manchurian Ash</td>
<td>Tsnm:</td>
<td>91132</td>
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<tr>
<td>Source:</td>
<td>Schichtel's Nursery</td>
<td>Quantity observed:</td>
<td>2</td>
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<tr>
<td>Observation Date of Plant:</td>
<td>10/4/2011</td>
<td>PI #:</td>
<td>-0-</td>
</tr>
</tbody>
</table>

- **Plant Habit:** Upright oval
- **Plant Height:** 18-24 ft.
- **Plant Width:** 10-15 ft
- **Current Seasons Growth:** 3-6 in.

- **Foliage Color:** Medium green
- **Bark Characteristics:** Intermediate importance
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Fair
- **Landscape Uses:** Residential street, specimen

- **Overall Plant Health:** Fair
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:** Canker on lateral branches
- **Disease Severity:** Moderate injury
- **Cultural Problems:**
- **Nuisances:** Marginal
- **Recommended:** Marginal
- **Comments on plant:** Growth habit is very uniform and attractive.

**Observation Date of Flowers:**

- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**
- **Comments on Flowers:**

- **Fall Color or Fruit:** Fall color
- **Date of observation:** 9/24/2009
- **Aesthetics:** Good
- **Persistance:** 1-2 weeks
- **Fall Color:** yellow
### Scientific Name: Fraxinus mandshurica  
### Variety:  
### Tsnum: 87089  
### Cultivar: Moncana  
### Family: Oleaceae  
### Common Name: Moncana Manchurian Ash  
### Source: Bailey Nurseries  
### Quantity observed: 2  
### PI #: -0-  

**Observation Date of Plant:** 10/11/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 30-40 ft.  
**Plant Width:** 20-30 ft.  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  

**Comments on plant:** Has some included bark in a major branch. Canopy looks a little thin and has an unusual amount of dead branches which could be due to shading but looks suspiciously like cankers. No sign of fruiting bodies but it is too high to get a...
Scientific Name: Fraxinus nigra  
Family: Oleaceae  
Variety:  
Tsum: 99005  

Common Name: Black Ash  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 2  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 13-18 ft.  
Plant Width: 6-8 ft.  
Current Seasons Growth: 10-15 in.  

Foliage Color: Medium to dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Residential street, specimen  
Overall Plant Health: Good  

Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Planted in arboretum in 2004.

Fall Color or Fruit: Fall color  
Date of observation: 9/29/2009  
Aesthetics: Fair to poor  
Persistence: 1-2 weeks  
Fall Color: yellow, green
## Scientific Name: Fraxinus ornus

**Variety:**

**Cultivar:** JFS-Coate  
**Family:** Oleaceae

**Common Name:** Urban Bouquet Ash

**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**

### Observation Date of Plant: 10/11/2011

**Plant Habit:** Upright oval

**Plant Height:** 7-9 ft.

**Plant Width:** 2-3 ft.

**Current Seasons Growth:** 4-8 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** n/a

**Recommended:** n/a

**Comments on plant:** Planted in 2011 - too soon to recommend.

### Observation Date of Flowers:

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

### Fall Color or Fruit:

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**

---

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Scientific Name: Fraxinus pennsylavnica  
Cultivar: Rugby  
Family: Oleaceae  
Common Name: Prairie Spire Green Ash  
Source: Bailey Nurseries  
Quantity observed: 3  

Tsum: 89116  

Variety: -0-  
PI #: -0-  

Observation Date of Plant: 10/11/2011  
Plant Habit: Upright oval  
Plant Height: 30-37 ft.  
Plant Width: 20-30 ft.  
Current Seasons Growth: 6 - 12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/18/2011  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: golden yellow  

Fall Color: Fraxinus pennsylavnica  
Cultivar: Rugby  
Family: Oleaceae  
Common Name: Prairie Spire Green Ash  
Source: Bailey Nurseries  
Quantity observed: 3  

Tsum: 89116  

Variety: -0-  
PI #: -0-  

Observation Date of Plant: 10/11/2011  
Plant Habit: Upright oval  
Plant Height: 30-37 ft.  
Plant Width: 20-30 ft.  
Current Seasons Growth: 6 - 12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/18/2011  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: golden yellow  

Fall Color: Fraxinus pennsylavnica  
Cultivar: Rugby  
Family: Oleaceae  
Common Name: Prairie Spire Green Ash  
Source: Bailey Nurseries  
Quantity observed: 3  

Tsum: 89116  

Variety: -0-  
PI #: -0-  

Observation Date of Plant: 10/11/2011  
Plant Habit: Upright oval  
Plant Height: 30-37 ft.  
Plant Width: 20-30 ft.  
Current Seasons Growth: 6 - 12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/18/2011  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: golden yellow
Scientific Name: Fraxinus pennsylvanica
Variety: -0-
Cultivar: -0-  Family: Oleaceae  Tnum: 80200
Common Name: Green Ash
Source: USDA, Bismarck N.D.
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 10/11/2011
Plant Habit: Upright oval
Plant Height: 40-45 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/9/2003
Aesthetics: Good  Persistance: 1-2 weeks
Fall Color: yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Fraxinus pennsylvanica  
**Variety:** -0-  
**Cultivar:** Aerial  
**Family:** Oleaceae  
**Tnum:** 92067

**Common Name:** Aerial Ash  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 2  
**PI #:** -0-

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Upright oval

**Plant Height:** 15 - 20 ft.

**Plant Width:** 15-20 ft

**Current Seasons Growth:** 1-4 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Fair

**Insect Pests:** Borers

**Pest Severity:** Slight injury

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Moved in 2003 due to unavoidable construction. Canker wounds appear old and inactive. Plants have very little growth. One of two trees has a very twiggy growth habit compared to second tree.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/28/2009

**Aesthetics:** Good  
**Persistance:** 1-2 weeks

**Fall Color:** yellow, light green
Scientific Name: Fraxinus pennsylvanica
Cultivar: Bergeson
Family: Oleaceae
Common Name: Bergeson Ash
Source: Sherman Nursery
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 10/11/2011
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow
Date of observation: 9/23/2004
Persistance: 1-2 weeks
### Scientific Name: **Fraxinus pennsylvanica**

**Variety:**

**Cultivar:** Centerpoint  
**Family:** Oleaceae  

**Common Name:** Centerpoint Ash

**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**

---

#### Observation Date of Plant: 10/4/2011

**Plant Habit:** Upright oval

**Plant Height:** 12-15 ft.

**Plant Width:** 8-12 ft.

**Current Seasons Growth:** 4-8 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Moved in 2003 due to unavoidable construction. Vigor is relatively low but looks fine.

---

#### Observation Date of Flowers:

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

---

#### Fall Color or Fruit:

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**

---

**Tsnum:** 96126
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Fraxinus pennsylvanica
Cultivar: Cimmzam
Family: Oleaceae
Tnum: 94030

Variety: P. pennsylvanica 'Cimmzam'

Common Name: Cimmaron Green Ash

Source: J. Frank Schmidt and Son Co
Quantity observed: 1

PI #: 10001000

Observation Date of Plant: 10/4/2011

Plant Habit: Upright oval

Plant Height: 20-25 ft.

Plant Width: 10-12 ft

Current Seasons Growth: 4-8 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair to poor

Insect Pests: Borers

Pest Severity: Slight injury

Plant Disease: Canker

Disease Severity: Moderate to severe injury

Cultural Problems: None

Nuisances: Marginal

Recommended: Marginal

Comments on plant: Moved in 2003 due to unavoidable construction. Huge canker and borers reducing growth on south half of tree but canopy still looks okay.

Observation Date of Flowers:
Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/8/2009

Aesthetics: Excellent

Persistance: 1-2 weeks

Fall Color: orange, yellow

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### Plant Information

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Fraxinus pennsylvanica</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Dakota Centennial</td>
<td>Family:</td>
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<td>Source:</td>
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#### Observation Details

- **Observation Date of Plant:** 10/11/2011
- **Plant Habit:** Upright oval
- **Plant Height:** 40-60 ft.
- **Plant Width:** 30-35 ft.
- **Current Seasons Growth:** 8-12 in.

#### Additional Details

- **Foliage Color:** Medium green
- **Bark Characteristics:** Intermediate importance
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Residential street, specimen

#### Health and Appearance

- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:**
- **Recommended:** Yes
- **Comments on plant:** This plant has a fairly narrow growth habit with a strong central leader.

#### Observations

**Observation Date of Flowers:**

- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**

**Comments on Flowers:**

- **Fall Color or Fruit:** Fall color
- **Date of observation:** 9/23/2009
- **Aesthetics:** Good to excellent
- **Persistance:** 1-2 weeks
- **Fall Color:** Golden yellow

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Scientific Name: Fraxinus pennsylvanica  Variety: -0-
Cultivar: Emerald  Family: Oleaceae  Tnum: 83133
Common Name: Emerald Green Ash
Source: J. Frank Schmidt and Son Co
Quantity observed: 2  PI #: -0-

Observation Date of Plant: 10/11/2011
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Bark seems thicker and more deeply fissured than most.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
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<td><strong>Common Name:</strong> Foothills Ash</td>
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<tr>
<td><strong>Source:</strong> Bailey Nurseries</td>
<td><strong>Quantity observed:</strong> 1</td>
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**Observation Date of Plant:** 10/11/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 6-8 ft.
**Plant Width:** 4-5 ft.
**Current Seasons Growth:** 1-3 in

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Was in lathhouse too long.  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Tsnum: 95042

Scientific Name: Fraxinus pennsylvanica
Cultivar: Johnson
Family: Oleaceae
Variety: 

Common Name: Leprechaun Ash
Source: J. Frank Schmidt and Son Co Quantity observed: 2

Observation Date of Plant: 10/4/2011
Plant Habit: Round
Plant Height: 10-12 ft.
Plant Width: 5-6 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. No signs of scale but vigor is low.

Fall Color or Fruit: Fall color
Aesthetics: Fair
Date of observation: 10/7/2009
Persistance: 2-4 weeks
Fall Color: yellow

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:
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**Observation Date of Plant:** 10/11/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 40-50 ft.  
**Plant Width:** 30-40 ft.  
**Current Seasons Growth:** 6 - 12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/9/2003  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** bright yellow
Scientific Name: Fraxinus pennsylvanica  
Cultivar: Kohler  
Family: Oleaceae  
Common Name: Kohler Green Ash  
Source: Discover-Tree Research  
Quantity observed: 2  
Tsum: 94025  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 15-20 ft.  
Plant Width: 8-12 ft  
Current Seasons Growth: 2-4 in.  

Foliage Color: Medium to light green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Fair  
Insect Pests: Borers  
Pest Severity: Slight injury  
Plant Disease: Canker  
Disease Severity: Moderate injury  
Cultural Problems:  
Nuisances: Marginal  
Recommended: Marginal  
Comments on plant: Moved in 2003 due to unavoidable construction. Canker seems to be inactive but neither tree has much vigor.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 9/29/2009  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: Russet red with a little bit of purple.
**Scientific Name:** Fraxinus pennsylvanica  
**Cultivar:** Leeds  
**Family:** Oleaedeae  
**Common Name:** Prairie Dome Ash  
**Source:** Jewell Nursery, Inc.  
**Quantity observed:** 1  
**Tsun:** 92093  

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<tr>
<th><strong>Observation Date of Plant:</strong></th>
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<td><strong>Plant Habit:</strong></td>
<td>Upright oval</td>
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<td><strong>Plant Height:</strong></td>
<td>15-18 ft.</td>
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<td><strong>Plant Width:</strong></td>
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<td><strong>Current Seasons Growth:</strong></td>
<td>1-2 in.</td>
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<td><strong>Plant Summer Texture:</strong></td>
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<td><strong>Aesthetic Plant Quality:</strong></td>
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<td>Residential street, specimen</td>
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<tr>
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<td><strong>Disease Severity:</strong></td>
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<td><strong>Cultural Problems:</strong></td>
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<td><strong>Nuisances:</strong></td>
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<tr>
<td><strong>Recommended:</strong></td>
<td>Marginal</td>
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**Comments on plant:** Moved in 2003 due to unavoidable construction. Growth habit is very uniform. Canopy appears thin and vigor is very low.

**Observation Date of Flowers:**

<table>
<thead>
<tr>
<th><strong>Flower Color:</strong></th>
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<tr>
<td><strong>Flower Type:</strong></td>
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<td><strong>Flower Effect:</strong></td>
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<tr>
<td><strong>% of Flower Coverage:</strong></td>
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<tr>
<td><strong>Bloom Stage:</strong></td>
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<tr>
<td><strong>Fruit Present:</strong></td>
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<th><strong>Fall Color or Fruit:</strong></th>
<th>Fall color</th>
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<td><strong>Date of observation:</strong></td>
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<tr>
<td><strong>Aesthetics:</strong></td>
<td>Good</td>
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<td><strong>Persistance:</strong></td>
<td>1-2 weeks</td>
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<tr>
<td><strong>Fall Color:</strong></td>
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</table>
Scientific Name: Fraxinus pennsylvanica  
Variety:  
Cultivar: Leeds  
Family: Oleaceae  
Tnum: 94056  
Common Name: Prairie Dome Ash  
Source: Jewell Nursery, Inc.  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 12-15 ft.  
Plant Width: 6-8 ft.  
Current Seasons Growth: 2-6 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen, shade tree  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Moved in 2003 due to unavoidable construction. Low vigor but still looks good.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 9/24/2009  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: Golden yellow
### Fraxinus pennsylvanica: Marshall's Seedless Green Ash

**Scientific Name:** Fraxinus pennsylvanica  
**Variety:** -0-  
**Cultivar:** Marshall's Seedless  
**Family:** Oleaceae  
**Tnum:** 78167  
**Common Name:** Marshall's Seedless Green Ash  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/11/2011  
**Plant Habit:** Upright oval but becoming  
**Plant Height:** 40-50 ft.  
**Plant Width:** 40-50 ft.  
**Current Seasons Growth:** 8 - 12 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, large shade tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Aesthetics:** Good to excellent  
**Date of observation:** 10/6/2008  
**Persistance:** 1-2 weeks  
**Fall Color:** Golden yellow
**Scientific Name:** Fraxinus pennsylvanica  
**Cultivar:** National 1999  
**Family:** Oleaceae  
**Common Name:** Champtree Green Ash  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 3  
**Tnum:** 01003

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Upright oval

**Plant Height:** 17-22 ft.

**Plant Width:** 10-15 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Vigor is excellent along with form. Two of three trees lost about 15-20% of canopy due to snow damage on 10/25/11.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
### Scientific Name: Fraxinus pennsylvanica

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<tr>
<th>Observation Date of Plant:</th>
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<tr>
<td><strong>Plant Habit:</strong> Upright oval</td>
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<tr>
<td><strong>Plant Height:</strong> 25-28 ft.</td>
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<tr>
<td><strong>Plant Width:</strong> 15-20 ft</td>
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<tr>
<td><strong>Current Seasons Growth:</strong> 4-8 in.</td>
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| **Foliage Color:** Medium green |
|----------------------|------------------|
| **Bark Characteristics:** Unimportant |
| **Plant Summer Texture:** Medium |
| **Aesthetic Plant Quality:** Good |
| **Landscape Uses:** Residential street, specimen |

| **Overall Plant Health:** Fair |
|-----------------|------------------|
| **Insect Pests:** |
| **Pest Severity:** |
| **Plant Disease:** |
| **Disease Severity:** |
| **Cultural Problems:** |
| **Nuisances:** |
| **Recommended:** Yes |

**Comments on plant:** Moved in 2003 due to unavoidable construction. Vigor seems low and canopy appears a little thin but okay overall.

### Observation Date of Flowers:

<table>
<thead>
<tr>
<th><strong>Fall Color or Fruit:</strong> Fall color</th>
<th><strong>Date of observation:</strong> 9/23/2009</th>
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<tbody>
<tr>
<td><strong>Aesthetics:</strong> Good</td>
<td><strong>Persistence:</strong></td>
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<tr>
<td><strong>Fall Color:</strong> Yellow</td>
<td><strong>Persistance:</strong></td>
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Scientific Name: Fraxinus pennsylvanica  
Cultivar: Rugby  
Family: Oleaceae  
Tnum: 99006  
Common Name: Prairie Spire Ash  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 2  
PI #:

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 15-20 ft.  
Plant Width: 8-11 ft.  
Current Seasons Growth: 2-5 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 9/28/2009  
Aesthetics: Good  
Persistence: 1-2 weeks  
Fall Color: Yellow
Scientific Name: Fraxinus pennsylvanica  
Variety:  
Cultivar: Sherwood Glen  
Family: Oleaceae  
Tsnum: 99039  
Common Name: Sherwood Glen Green Ash  
Source: Carlton Plants  
Quantity observed: 4  
PI #:  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 10-15 ft.  
Plant Width: 8-12 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Fair to good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Moved in 2003 due to unavoidable construction.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 9/20/2009  
Aesthetics: Good  
Persistence: 1-2 weeks  
Fall Color: Yellow
Scientific Name: Fraxinus pennsylvanica  
Variety: -0-  
Cultivar: Wahpeton  
Family: Oleaceae  
Tnum: 93091  
Common Name: Dakota Centennial Green Ash  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 22-30 ft.  
Plant Width: 20-25 ft.  
Current Seasons Growth: 3-6 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:  

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Scientific Name: Fraxinus pennsylvanica
Cultivar: Watson
Family: Oleaceae
Tnum: 02025
Common Name: Prairie Splendor Ash
Source: Carlton Plants
Quantity observed: 2

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval
Plant Height: 9-12 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in arboretum in 2003. Canopy is dense and bushy.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 9/29/2009
Aesthetics: Good
Persistance: 1-2 weeks
Fall Color: yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

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<th>Fraxinus quadrangulata</th>
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<td>Family:</td>
<td>Oleaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Blue Ash</td>
<td>Tnum:</td>
<td>78168</td>
</tr>
<tr>
<td>Source:</td>
<td>Siebenthaler Nursery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quantity observed:</td>
<td>1</td>
<td>PI #:</td>
<td>-0-</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/11/2011

**Plant Habit:** Upright oval

**Plant Height:** 30-40 ft.

**Plant Width:** 22-28 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** Recovered from storm damage but canopy is thin – possibly due to too much shade from nearby trees.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Fraxinus x  
**Variety:**  
**Cultivar:** Northern Treasure  
**Family:** Oleaceae  
**Tnum:** 00061  
**Common Name:** Northern Treasure Ash  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 1  
**PI #:** -  

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 7 - 9 ft.  
**Plant Width:** 5 - 8 ft.  
**Current Seasons Growth:** 2 - 4 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Residential street, specimen, large shade tree  

**Overall Plant Health:** Fair  
**Insect Pests:** Borers  
**Pest Severity:** Slight injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on Plant:**  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/2/2009  
**Aesthetics:** Fair  
**Persistance:** 1 - 2 weeks  
**Fall Color:** Yellow  

---

Page 413 of 1130
### Scientific Name: Genista radiata
### Variety: 
### Cultivar: 
### Family: Leguminosae 
### Tnum: 02090
### Common Name: Broom
### Source: Plant Select
### Quantity observed: 1
### PI #: 

#### Observation Date of Plant: 9/26/2012
#### Plant Habit: Round
#### Plant Height: 20-30 in.
#### Plant Width: 2-3 ft.
#### Current Seasons Growth: 4-6 in.

| Foliage Color: | Medium green |
| Bark Characteristics: | Unimportant |
| Plant Summer Texture: | Fine |
| Aesthetic Plant Quality: | Fair |
| Landscape Uses: | Specimen, shrub border |

#### Overall Plant Health: Fair
#### Insect Pests: 
#### Pest Severity: 
#### Plant Disease: 
#### Disease Severity: 
#### Cultural Problems: 
#### Nuisances: 
#### Recommended: Marginal

**Comments on plant:** Has low vigor but may do better in full sun instead of part shade. Foliage is finer and very narrow.

#### Observation Date of Flowers: 5/29/2006
#### Flower Color: Yellow
#### Flower Type: Cluster
#### Flower Effect: Good
#### % of Flower Coverage: 20-30%
#### Bloom Stage: Flowers open
#### Fruit Present: 
#### Comments on Flowers: 

#### Fall Color or Fruit: 
#### Date of observation: 
#### Aesthetics: 
#### Persistance: 
#### Fall Color: 

---

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**Scientific Name:** Genista tinctoria  
**Family:** Leguminosae  
**Tsnnum:** 85147

**Common Name:** Broom  
**Source:** Burr Oak Nursery

**Observation Date of Plant:** 9/27/2012

**Plant Habit:** Broad oval  
**Plant Height:** 3 - 4 ft.  
**Plant Width:** 4 - 8 ft.  
**Current Seasons Growth:** 10-15 in

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair to good  
**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** These often requires regular pruning to remove dieback but two of three look good this year.

**Observation Date of Flowers:** 7/2/2003  
**Flower Color:** Yellow  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 76-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Genista tinctoria</th>
<th>Variety: -0-</th>
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<tbody>
<tr>
<td>Cultivar: Golden Dwarf</td>
<td>Family: Leguminosae</td>
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<tr>
<td>Common Name: Golden Dwarf Broom</td>
<td>Tsnun: 80142</td>
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<tr>
<td>Source: USDA/NC-7, Ames, IA</td>
<td>Quantity observed: 2</td>
</tr>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Observation Date of Plant: 9/27/2012  
Plant Habit: Broad oval  
Plant Height: 3 - 4 ft.  
Plant Width: 6-9 ft.  
Current Seasons Growth: 12-18 in.  

Foliage Color: Dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended:  
Comments on plant: Growth habit sometimes becomes open but looks good this year except for a few old twigs that need to be removed.

Observation Date of Flowers: 7/8/2003  
Flower Color: Yellow  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 76-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Genista tinctoria  
**Variety:**  
**Cultivar:** Poltava  
**Family:** Fabaceae  
**Tnum:** 01027  
**Common Name:** Poltava Woadwaxen  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 2  
**PI #:** 25525

**Observation Date of Plant:** 9/26/2012  
**Plant Habit:** Round or slightly broad o  
**Plant Height:** 3-5 ft.  
**Plant Width:** 6-10 ft.  
**Current Seasons Growth:** 20-24 in.

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Planted in arboretum in 2003. 5/23/06 - Severe dieback during winter of -16F but has been fine last few years. One plant seems to be suckering and rather invasive.

**Observation Date of Flowers:** 7/8/2003  
**Flower Color:** Yellow  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 50-60%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**
**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Ginkgo bilboa  Variety: 
Cultivar: Saratoga  Family: Ginkgoaceae  Tnum: 95096
Common Name: Saratoga Maidenhair Tree
Source: Monrovia Growers  Quantity observed: 1  PI #:

Observation Date of Plant: 8/25/2011
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 10-16 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: Yes
Recommended: Yes
Comments on plant: Canopy is dense and full. Was the last Ginkgo to drop leaves in 2009.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/28/2008
Aesthetics: Fair  Persistance: 1-2 weeks
Fall Color: Yellow
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<tr>
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<td>Gingko</td>
<td><strong>Tsnun:</strong></td>
<td>78170</td>
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<td><strong>Source:</strong></td>
<td>Unknown</td>
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<td><strong>PI #:</strong></td>
<td>-0-</td>
<td><strong>Date of observation:</strong></td>
<td>8/25/2011</td>
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</table>

**Observation Date of Flowers:** 8/25/2011

**Plant Habit:** Upright oval

**Plant Height:** 25-30 ft.

**Plant Width:** 15-20 ft

**Current Seasons Growth:** 10-15 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Growth habit is less dense and uniform as cultivars.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**

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<table>
<thead>
<tr>
<th>Scientific Name: Ginkgo biloba</th>
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<tbody>
<tr>
<td>Cultivar: Fairmont</td>
<td>Family: Ginkgoaceae</td>
</tr>
<tr>
<td>Common Name: Fairmont Ginkgo</td>
<td>Tsum: 80044</td>
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<tr>
<td>Source: Hines Nursery</td>
<td>Quantity observed: 1</td>
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<td>Observation Date of Plant: 8/25/2011</td>
<td>PI #: -0-</td>
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</tbody>
</table>

**Scientific Name:** Ginkgo biloba  
**Variety:** -0-  
**Family:** Ginkgoaceae  
**Tsum:** 80044  
**Cultivar:** Fairmont  
**Common Name:** Fairmont Ginkgo  
**Source:** Hines Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 8/25/2011

**Plant Habit:** Upright oval

**Plant Height:** 20-26 ft.

**Plant Width:** 18-22 ft

**Current Seasons Growth:** 10-15 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Ginkgo biloba
Variety: 
Cultivar: Golden Globe  Family: Ginkgoaceae
Common Name: Golden Globe Ginkgo
Source: Femrite Nursery Company  Quantity observed: 1  PI #:

Observation Date of Plant: 8/25/2011
Plant Habit: Upright oval
Plant Height: 6-7 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: n/a
Recommended: n/a

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
**Scientific Name:** Ginkgo biloba  
**Cultivar:** Jfs-uga2  
**Family:** Ginkgoaceae  
**Tnum:** 06025  
**Common Name:** Golden Colonnade Ginkgo  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 8/25/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 6-7 ft.  
**Plant Width:** 3-5 ft.  
**Current Seasons Growth:** 1-2 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, large shade tree  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** -  
**Recommended:** -  
**Comments on plant:** Planted in 2010. Too soon to recommend.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Scientific Name: Ginkgo biloba
Cultivar: Magyar
Common Name: Magyar Ginko
Source: Bailey Nurseries

Variety: 
Family: Ginkgoaceae
Tsun: 01047

Quantity observed: 1

Observation Date of Plant: 8/25/2011
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Was in lathhouse too long.

Nuisances: n/a
Recommended: n/a

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Date of observation: 
Aesthetics: 
Persistance: 
Fall Color:
**Scientific Name:** Ginkgo biloba  
**Variety:** -0-  
**Cultivar:** Princeton Sentry  
**Family:** Ginkgoaceae  
**Tsn:** 89117  
**Common Name:** Princeton Sentry Ginkgo  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 8/25/2011

**Plant Habit:** Upright oval

**Plant Height:** 10-20 ft.

**Plant Width:** 5-9 ft.

**Current Seasons Growth:** 12-15 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on Plant:** One of two has some old tip dieback from unknown cause - probably due to irrigation problem at edge of arboretum.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**

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Scientific Name: Ginkgo biloba
Cultivar: The President
Family: Ginkgoaceae
Tnum: 08004
Common Name: Presidential Gold Ginkgo
Source: J. Frank Schmidt and Son Co
Quantity observed: 1
PI #:

Observation Date of Plant: 8/25/2011
Plant Habit: Upright oval
Plant Height: 5-6 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: n/a
Recommended: n/a

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Ginkgo biloba  
Variety:  
Cultivar: Woodstock  
Family: Ginkgoaceae  
Tsnum: 04023  
Common Name: Emperor Ginko  
Source: Femrite Nursery Company  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/9/2012  
Plant Habit: Upright oval  
Plant Height: 6-8 ft.  
Plant Width: 3-5 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen, large shade tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

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## Scientific Name: Gleditsia triacanthos inermis
### Variety: inermis

### Cultivar: Baiilace
### Family: Leguminosae
### Tsum: 94045

### Common Name: Summer Lace Honeylocust

### Source: Bailey Nurseries
### Quantity observed: 1

### Observation Date of Plant: 9/28/2012

### Plant Habit: Upright oval to round

### Plant Height: 25-35 ft.

### Plant Width: 30-40 ft.

### Current Seasons Growth: 6-12 in.

### Foliage Color: Medium green

### Bark Characteristics: Intermediate importance

### Plant Summer Texture: Fine

### Aesthetic Plant Quality: Fair

### Landscape Uses: Residential street, specimen, large shade tree

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended: Yes

### Comments on plant: Lost one of two trees to storm damage October 25, 2011 and second tree looks a little thin where first tree shaded it.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit: Fall color
### Date of observation: 9/23/2004
### Aesthetics: Good
### Persistance: 2-4 weeks
### Fall Color: yellow
Scientific Name: Gleditsia triacanthos inermis  
Variety:  
Cultivar: Draves  
Family: Fabaceae  
Tnum: 10019  
Common Name: Street Keeper Honeylocust  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 2  
PI #:  

Observation Date of Plant: 9/27/2012  
Plant Habit: Young, upright oval  
Plant Height: 6-9 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 4-10 in  

Foliage Color: Medium green  
Bark Characteristics:  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Residential street, specimen, large shade tree  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: n/a  
Recommended: n/a  
Comments on plant: Planted in 2012 - too soon to recommend. One of two has a little dieback on top 6 in. Of central leader and only looks fair.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Date of observation:  
Per sistance:  
Fall Color:  
Scientific Name: Gleditsia triacanthos inermis  
Variety: inermis
Cultivar: Emerald Cascade  
Family: Fabaceae
Common Name: Emerald Cascade Honeylocust
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1

Observation Date of Plant: 10/1/2012

Plant Habit: Weeping
Plant Height: 5-7 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Severe injury
Cultural Problems:
Nuisances: Mild suckering
Recommended: No
Comments on plant: Planted in 2007. Aggressive canker on trunk killed over half of tree and should finish it off by next spring.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 10/6/2008
Aesthetics: Good  
Persistance: 1-2 weeks
Fall Color: Yellow
Scientific Name: Gleditsia triacanthos inermis  
Variety: inermis  
Cultivar: Fairview  
Family: Leguminosae  
Tnum: 84142  
Common Name: Fairview Thornless Honeylocust  
Source: A. McGill & Son Nursery  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/1/2012  
Plant Habit: Upright oval  
Plant Height: 40-50 ft.  
Plant Width: 30-40 ft.  
Current Seasons Growth: 10-15 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Fair  
Landscape Uses: Residential street, specimen, large shade tree  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Marginal  
Recommended: Marginal  
Comments on plant: Has a lot of small dead branches but not sure if due to shading or disease.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/9/2003  
Aesthetics: Fair  
Persistance: 1-2 weeks  
Fall Color: yellow
Scientific Name: Gleditsia triacanthos inermis
Variety: inermis
Cultivar: Halka
Family: Leguminosae
Tsunum: 87100
Common Name: Halka Thornless Honeylocust
Source: A. McGill & Son Nursery
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 9/27/2010
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics:
Persistance:
Fall Color:
### Scientific Name: Gleditsia triacanthos inermis
### Variety: inermis
### Cultivar: Imperial
### Family: Leguminosae
### Tsnum: 78172
### Common Name: Imperial Thornless Honeylocust
### Source: Fort Collins Nursery
### Quantity observed: 1
### PI #: -0-

#### Observation Date of Plant:
10/1/2012

#### Plant Habit:
Upright oval

#### Plant Height:
30-40 ft.

#### Plant Width:
30-40 ft.

#### Current Seasons Growth:
10-15 in.

#### Foliage Color:
Medium green

#### Bark Characteristics:
Intermediate importance

#### Plant Summer Texture:
Fine

#### Aesthetic Plant Quality:
Good

#### Landscape Uses:
Residential street, specimen, large shade tree

#### Overall Plant Health:
Good

#### Insect Pests:

#### Pest Severity:

#### Plant Disease:

#### Disease Severity:

#### Cultural Problems:

#### Nuisances:

#### Recommended:
Yes

#### Comments on Plant:

#### Observation Date of Flowers:

#### Flower Color:

#### Flower Type:

#### Flower Effect:

#### % of Flower Coverage:

#### Bloom Stage:

#### Fruit Present:

#### Comments on Flowers:

#### Fall Color or Fruit:
Fall color

#### Date of observation:
10/9/2003

#### Aesthetics:
Fair

#### Persistance:
1-2 weeks

#### Fall Color:
yellow
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Gleditsia triacanthos inermis</th>
<th>Variety:</th>
<th>inermis</th>
</tr>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Moraine</td>
<td>Family:</td>
<td>Leguminosae</td>
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<tr>
<td>Common Name:</td>
<td>Moraine Thornless Honeylocust</td>
<td>Tsum:</td>
<td>78173</td>
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<td>Source:</td>
<td>Fort Collins Nursery</td>
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<tr>
<td>PI #:</td>
<td>-0-</td>
<td></td>
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</table>

**Observation Date of Plant:** 10/1/2012

**Plant Habit:** Upright oval becoming irregular

**Plant Height:** 35-45 ft.

**Plant Width:** 30-40 ft.

**Current Seasons Growth:** 10-18 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/9/2003

**Aesthetics:** Fair

**Persistance:** 1-2 weeks

**Fall Color:** yellow
Scientific Name: Gleditsia triacanthos inermis  
Variety: inermis  
Cultivar: Perfection  
Family: Leguminosae  
Tsnum: 89109  
Common Name: Perfection Honeylocust  
Source: Carlton Plants  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 9/28/2012  
Plant Habit: Upright oval  
Plant Height: 40-50 ft.  
Plant Width: 20-30 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen, large shade tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

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**Scientific Name:** Gleditsia triacanthos inermis  
**Variety:** inermis  
**Cultivar:** Shademaster  
**Family:** Leguminosae  
**Tnum:** 78039  
**Common Name:** Shademaster Thornless Honeylocust  
**Source:** Milton Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Upright oval to irregular  
**Plant Height:** 40-50 ft.  
**Plant Width:** 35-45 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, large shade tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  

**Comments on plant:** Has some dead branches (not recent) but not sure if dead from shading or disease.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
**Scientific Name:** Gleditsia triacanthos inermis  
** Variety:** inermus  
** Cultivar:** Summerlace  
** Family:** Leguminoosae  
** Tsnum:** 91054  
** Common Name:** Summer Lace Honeylocust  
** Source:** Bailey Nurseries  
** Quantity observed:** 1  
** PI #:** -0-  

**Observation Date of Plant:** 9/27/2010  
** Plant Habit:** Upright oval  
** Plant Height:** 20-27 ft  
** Plant Width:** 20-30 ft.  
** Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
** Bark Characteristics:** Intermediate importance  
** Plant Summer Texture:** Fine  
** Aesthetic Plant Quality:** Good  
** Landscape Uses:** Residential street, specimen, large shade tree  

**Overall Plant Health:** Good  
** Insect Pests:**  
** Pest Severity:**  
** Plant Disease:**  
** Disease Severity:**  
** Cultural Problems:**  
** Nuisances:**  
** Recommended:** Yes  
** Comments on plant:**  

**Observation Date of Flowers:**  
** Flower Color:**  
** Flower Type:**  
** Flower Effect:**  
** % of Flower Coverage:**  
** Bloom Stage:**  
** Fruit Present:**  
** Comments on Flowers:**  

**Fall Color or Fruit:**  
** Date of observation:**  
** Aesthetics:**  
** Persistance:**  
** Fall Color:**
Scientific Name: Gleditsia triacanthos inermis  
Variety: inermis  
Cultivar: Suncole  
Family: Leguminosae  
Tnum: 01001

Common Name: Sunburst Honeylocust  
Source: J. Frank Schmidt and Son Co

Quantity observed: 2

Observation Date of Plant: 9/28/2012

Plant Habit: Upright oval

Plant Height: 18-25 ft.

Plant Width: 14-20 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green, yellow on newest foliage

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Residential, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Both seem to have a bend in the trunk but one is severe and may need to be removed.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present: Fall color

Aesthetics: Good

Persistance: 1-2 weeks

Fall Color or Fruit: Fall color

Date of observation: 10/6/2008

Aesthetics: Good

Persistance: 1-2 weeks

Fall Color: Yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Gymnocladus dioica  Variety: -0-  
Cultivar: -0-  Family: Leguminosae  Tsnum: 78174  
Common Name: Kentucky Coffeetree  
Source: Bath Nursery  Quantity observed: 2  PI #: -0-  

Observation Date of Plant: 9/28/2012  
Plant Habit: Upright oval  
Plant Height: 40-50 ft.  
Plant Width: 30-40 ft.  
Current Seasons Growth: 1 - 2 ft.  

Foliage Color: Medium green  
Bark Characteristics: Important  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen, large shade tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  Date of observation: 10/12/2012  
Aesthetics: Fair  Persistance: 1-2 weeks  
Fall Color: yellow  

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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Halimodendron halodendron</th>
<th>Variety:</th>
<th>-0-</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Family:</td>
<td>Leguminosae</td>
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<tr>
<td>Common Name:</td>
<td>Salt Tree</td>
<td>Tsnum:</td>
<td>78214</td>
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<tr>
<td>Source:</td>
<td>-0-</td>
<td>Quantity observed:</td>
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<table>
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<tr>
<th>Observation Date of Plant:</th>
<th>9/26/2012</th>
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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Irregular</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>4-5 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>6-8 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>12-24 in.</td>
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<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium blue/green</th>
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<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Fine</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Poor</td>
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<tr>
<td>Landscape Uses:</td>
<td>Barrier, specimen, shrub border</td>
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<thead>
<tr>
<th>Overall Plant Health:</th>
<th>Fair</th>
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<tbody>
<tr>
<td>Insect Pests:</td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td>Severe lodging to the south.</td>
</tr>
<tr>
<td>Nuisances:</td>
<td>Marginal</td>
</tr>
<tr>
<td>Recommended:</td>
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<tr>
<td>Comments on plant:</td>
<td>Seeds hanging on tree eventually become unattractive and may be removed for aesthetics and to prevent self seeding. Spines are very sharp. Crowded by neighboring plants.</td>
</tr>
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<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>6/2/2006</th>
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<tbody>
<tr>
<td>Flower Color:</td>
<td>Pink/lavender</td>
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<tr>
<td>Flower Type:</td>
<td>Cluster</td>
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<tr>
<td>Flower Effect:</td>
<td>Excellent</td>
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<tr>
<td>% of Flower Coverage:</td>
<td>70-80%</td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
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<tr>
<td>Comments on Flowers:</td>
<td>Relatively small flowers and foliage give a very delicate appearance.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th></th>
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<tbody>
<tr>
<td>Aesthetics:</td>
<td></td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
</tr>
<tr>
<td>Date of observation:</td>
<td></td>
</tr>
<tr>
<td>Persistance:</td>
<td></td>
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<tr>
<td>Scientific Name:</td>
<td>Hamamelis virginiana</td>
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<td>-----------------</td>
<td>----------------------</td>
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<tr>
<td>Threat:</td>
<td>-0-</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Common Witchhazel</td>
</tr>
<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
</tr>
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</table>

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Irregular to upright oval  
**Plant Height:** 7-10 ft.  
**Plant Width:** 6-8 ft  
**Current Seasons Growth:** 6-12 in.  

- **Foliage Color:** Medium green  
- **Bark Characteristics:** Unimportant  
- **Plant Summer Texture:** Coarse  
- **Aesthetic Plant Quality:** Fair  
- **Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Inadequate irrigation system, soil pH is high  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Moderately chlorotic but possibly due to high soil pH.

**Observation Date of Flowers:** 11/25/2005  
**Flower Color:** Light Yellow  
**Flower Type:** cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 51-75%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/28/2008  
**Aesthetics:** Good  
**Persistence:** 1-2 weeks  
**Fall Color:** Golden yellow
### Scientific Name: Hedera helix
- **Variety:** -0-
- **Family:** Araliaceae
- **Tsnum:** 82065

### Cultivar: Bulgaria

### Common Name: Bulgarian English Ivy

### Source: Monrovia Growers
- **Quantity observed:** 3
- **PI #:** -0-

### Observation Date of Plant: 11/9/2012

### Plant Habit: Creeping (ground cover)

### Plant Height: <0.5 ft.

### Plant Width: 10 - 20 ft.

### Current Seasons Growth: 1 - 2 ft.

### Foliage Color: Dark green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Ground cover, Specimen

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended: Yes

### Comments on plant:

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Date of observation:

### Aesthetics:

### Persistance:

### Fall Color:
| **Scientific Name:** | Heptacodium micorioides | **Variety:** | |
| **Cultivar:** | | **Family:** | Caprifoliaceae |
| **Common Name:** | Seven-son Flower | **Tsnmu:** | 11113 |
| **Source:** | Garden and Home Show | **Quantity observed:** | 1 |

| **Observation Date of Plant:** | 10/21/2011 |
| **Plant Habit:** | Upright oval |
| **Plant Height:** | 3-4 ft. |
| **Plant Width:** | 3-4 ft |
| **Current Seasons Growth:** | 12-24 in |

| **Foliage Color:** | Medium green |
| **Bark Characteristics:** | Intermediate importance |
| **Plant Summer Texture:** | Medium |
| **Aesthetic Plant Quality:** | Good |
| **Landscape Uses:** | Specimen, shrub border |

| **Overall Plant Health:** | Good |
| **Insect Pests:** | |
| **Pest Severity:** | |
| **Plant Disease:** | |
| **Disease Severity:** | |
| **Cultural Problems:** | |
| **Nuisances:** | |
| **Recommended:** | Yes |
| **Comments on plant:** | Planted in 2011 |

| **Observation Date of Flowers:** | |
| **Flower Color:** | |
| **Flower Type:** | |
| **Flower Effect:** | |
| **% of Flower Coverage:** | |
| **Bloom Stage:** | |
| **Fruit Present:** | |
| **Comments on Flowers:** | |

| **Fall Color or Fruit:** | |
| **Aesthetics:** | |
| **Fall Color:** | |
| **Date of observation:** | |
| **Persistance:** | |
### Scientific Name: Heptacodium micorioides  
**Family:** Caprifoliaceae  
**Variety:**  
**Tnum:** 06034

### Common Name: Seven-Son Flower  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 2

### Observation Date of Plant: 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 7-10 ft.  
**Plant Width:** 7-9 ft.  
**Current Seasons Growth:** 8-12 in.

### Foliage Color: Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Excellent  
**Landscape Uses:** Specimen, shrub border

### Overall Plant Health: Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes

**Comments on plant:** Planted into arboretum Fall 2006. First significant flowering was in 2010 since it was planted so it may take time to get established but well worth the wait.

### Observation Date of Flowers: 8/1/2007  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 20-25%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Few flowers since the establishment process is still occurring.

### Fall Color or Fruit:  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Hibiscus syriacus
Variety: 
Cultivar: Ardens
Family: Malvaceae
Tsun: 93071
Common Name: Ardens Rose of Sharon
Source: Carlton Plants
Quantity observed: 2

Observation Date of Plant: 9/17/2012

Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
### Scientific Name: Hippophae rhamnoides
### Variety: -0-
### Cultivar: -0-  
### Family: Elaeagnaceae  
### Tsnum: 83175

### Common Name: Sea Buckthorn
### Source: Bailey Nurseries
### Quantity observed: 4  
### PI #: -0-

### Observation Date of Plant: 8/27/2012

### Plant Habit: Irregular, upright
### Plant Height: 10-15 ft.
### Plant Width: 10-15 ft.

### Current Seasons Growth: 4-8 in.

- **Foliage Color:** Dark gray/green
- **Bark Characteristics:** Intermediate importance
- **Plant Summer Texture:** Fine
- **Aesthetic Plant Quality:** Fair
- **Landscape Uses:** Barrier, specimen, xeriscape, shrub border

### Overall Plant Health: Fair
### Insect Pests:
### Pest Severity:
### Plant Disease: canker
### Disease Severity: Moderate injury

### Cultural Problems:
- **Nuisances:** Colonizes an area by suckers from roots.
- **Recommended:** Yes

**Comments on plant:** The older plants tend to have a lot of character if pruned into a small tree. Looks good (except for canker problem) in a spot without much irrigation.

### Observation Date of Flowers: 4/18/2006
### Flower Color: Lt. Yellow
### Flower Type: Cluster
### Flower Effect: poor
### % of Flower Coverage: 50-80%
### Bloom Stage: Flowers open

**Fruit Present:**
**Comments on Flowers:** Flowers too tiny to be showy.

### Fall Color or Fruit:
### Date of observation:
### Aesthetics:
### Persistance:

### Fall Color:
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Hippophae rhamnoides</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Sprite</td>
<td>Family:</td>
<td>Elaeagnaceae</td>
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<tr>
<td>Common Name:</td>
<td>Sprite Seabuckthorn</td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
</tbody>
</table>

**Tsnum:** 96117

**PI #:**

**Observation Date of Plant:** 9/17/2012

**Plant Habit:** Irregular, upright

**Plant Height:** 8-10 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 2-6 in.

**Foliage Color:** Dark gray/green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Barrier, specimen, xeriscape, shrub border

**Overall Plant Health:** Fair to good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
### Scientific Name: Hydrangea arborescens
### Variety: -0-
### Cultivar: Annabelle  
### Family: Saxifragaceae  
### Tsnem: 83150
### Common Name: Annabelle Smooth Hydrangea
### Source: Jewell Nursery, Inc.
### Quantity observed: 3  
### PI #: -0-

#### Observation Date of Plant: 9/27/2012
#### Plant Habit: Upright
#### Plant Height: 3 - 5 ft.
#### Plant Width: 8-12 ft
#### Current Seasons Growth: 3 - 5 ft.

- **Foliage Color:** Medium green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Coarse
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Specimen, shrub border

#### Overall Plant Health: Good

#### Insect Pests:
#### Pest Severity:
#### Plant Disease:
#### Disease Severity:
#### Cultural Problems:
#### Nuisances:
#### Recommended: Yes

**Comments on plant:** Dies back to the ground each year but comes back vigorously.

#### Observation Date of Flowers: 7/22/2004
#### Flower Color: White
#### Flower Type: Cluster
#### Flower Effect: Excellent
#### % of Flower Coverage: 51-75%
#### Bloom Stage: Flowers open
#### Fruit Present:
#### Comments on Flowers:

#### Fall Color or Fruit:

#### Aesthetics:
#### Persistance:

**Fall Color:**
Scientific Name: Hydrangea arborescens  
Variety:  
Cultivar: Jm 2004004  
Family: Hydrangeaceae  
Tsum: 06040  
Common Name: Hydrangea  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 1  
PI #: Ames 27653  

Observation Date of Plant: 10/1/2012  
Plant Habit: Upright  
Plant Height: 3-4 ft.  
Plant Width: 2-3 ft.  
Current Seasons Growth: 1-2 ft  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: marginal  
Recommended:  
Comments on plant: Lower half of plant is moderately chlorotic.  

Observation Date of Flowers: 10/1/2012  
Flower Color: Greenish white  
Flower Type: Cluster  
Flower Effect: Fair  
% of Flower Coverage: 10-20%  
Bloom Stage: Past peak  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
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<tr>
<th>Scientific Name:</th>
<th>Hydrangea arborescens</th>
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<th>Tsnum:</th>
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<tbody>
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<td>Cultivar:</td>
<td>White Dome</td>
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<tr>
<td>Source:</td>
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<td>Quantity observed:</td>
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<tr>
<th><strong>Observation Date of Plant:</strong></th>
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<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Round</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>3-4.5 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>3-6 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>3-4 ft.</td>
</tr>
</tbody>
</table>

| **Foliage Color:**            | Medium green |
| **Bark Characteristics:**     | Unimportant |
| **Plant Summer Texture:**     | Coarse     |
| **Aesthetic Plant Quality:**  | Good       |
| **Landscape Uses:**           | Specimen, shrub border |

| **Overall Plant Health:**     | Good |
| **Insect Pests:**             |      |
| **Pest Severity:**            |      |
| **Plant Disease:**            |      |
| **Disease Severity:**         |      |
| **Cultural Problems:**        |      |
| **Nuisances:**                |      |
| **Recommended:**              | Yes   |
| **Comments on plant:**        | Planted in 2007. |

| **Observation Date of Flowers:** | 10/1/2012 |
| **Flower Color:**               | Greenish white |
| **Flower Type:**                | Cluster |
| **Flower Effect:**              | Fair to good |
| **% of Flower Coverage:**       | 25-30% |
| **Bloom Stage:**                | Past peak |
| **Fruit Present:**              |          |
| **Comments on Flowers:**        |          |

| **Fall Color or Fruit:**       |          |
| **Aesthetics:**                |          |
| **Fall Color:**                |          |

| **Date of observation:**       |          |
| **Persistence:**                |          |
Scientific Name: Hydrangea macrophylla
Cultivar: Endless Summer
Family: Hydrangeaceae
Variety: 
Tsunum: 03120
Scientific Name: Hydrangea macrophylla
Cultivar: Endless Summer
Family: Hydrangeaceae
Variety: 
Tsunum: 03120

Common Name: Endless Summer Hydrangea
Source: Bailey Nurseries
Quantity observed: 2

Observation Date of Plant: 10/1/2012
Plant Habit: Broad oval to round
Plant Height: 2-3 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 1 - 3 ft.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No

Comments on plant: May require a lot more irrigation or sunlight. No flowers in 2010 or 2012

Observation Date of Flowers: 9/1/2004
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 0-10%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: No sign of flowering in 2012.
**Scientific Name:** Hydrangea macrophylla  
**Cultivar:** Glowing Embers  
**Family:** Hydrangeaceae  
**Common Name:** Glowing Embers Hydrangea  
**Source:** Forrest Keeling Nursery  
**Quantity observed:** 2  
**Tnum:** 12019  

**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Young, undefined  
**Plant Height:** 1-2 ft.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 1 - 2 ft.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** n/a  
**Comments on plant:** Planted in 2012 - too soon to recommend. No establishment problems noticed.

**Observation Date of Flowers:** 10/1/2012  
**Flower Color:** Lavender/pink  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 10.00%  
**Bloom Stage:** Mostly past peak  
**Fruit Present:**  
**Comments on Flowers:** Fades to greenish white. Will probably get more blooms as it matures.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Hydrangea macrophylla
Variety: 
Cultivar: Lemon Wave
Family: Hydrangeaceae
Tsnum: 10010
Common Name: Lemon Wave Hydrangea
Source: Carlton Plants
Quantity observed: 1

Observation Date of Plant: 10/1/2012
Plant Habit: Young, undefined
Plant Height: 1-2 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Variegated, medium green and white
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Just planted in 2011 - too soon to recommend. Pattern on foliage isn't stable but may improve as it matures.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers: No sign of flowering in 2012

Fall Color or Fruit: Date of observation: Persistance:
Aesthetics: Persistance:
Fall Color:
### Scientific Name: Hydrangea macrophylla

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<thead>
<tr>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar: Nikko Blue</td>
<td>Family: Hydrangeaceae</td>
</tr>
<tr>
<td>Common Name: Nikko Blue Hydrangea</td>
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<tr>
<td>Source: J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 2</td>
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</table>

#### Observation Date of Plant: 10/1/2012

- **Plant Habit:** Round
- **Plant Height:** 2-2.5 ft.
- **Plant Width:** 2-3 ft.
- **Current Seasons Growth:** 1 - 2 ft.

- **Foliage Color:** Medium green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Coarse
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Specimen, shrub border

- **Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** n/a

**Recommended:** n/a

**Comments on plant:** Planted in 2012 - too soon to recommend. No establishment problems noticed.

#### Observation Date of Flowers: 10/1/2012

- **Flower Color:** Purple/blue
- **Flower Type:** Cluster
- **Flower Effect:** Very showy
- **% of Flower Coverage:** 70-80%
- **Bloom Stage:** Past peak
- **Fruit Present:**

**Comments on Flowers:** Very showy despite color fade from original color

---

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

---

Date of observation: 10/1/2012
Scientific Name: Hydrangea macrophylla
Cultivar: PIHM-I
Family: Hydrangeaceae
Common Name: Twist-N-Shout Hydrangea
Source: Bailey Nurseries

Variety: 
Tsum: 10111
Quantity observed: 1

Observation Date of Plant: 10/1/2012
Plant Habit: Broad oval
Plant Height: 2-2.5 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: n/a
Recommended: n/a
Comments on plant: Planted in 2012 - too soon to recommend. No establishment problems noticed.

Observation Date of Flowers: 10/1/2012
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 15-20%
Bloom Stage: Past peak
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Scientific Name: Hydrangea paniculata
Cultivar: Bulk
Family: Hydrangeaceae
Tnum: 10027
Common Name: Quick Fire™ Hydrangea - Tree Form
Source: Bailey Nurseries
Quantity observed: 2

Observation Date of Plant: 9/26/2012
Plant Habit: Young, undefined
Plant Height: 4-5 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: n/a
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers: 9/26/2012
Flower Color: Pink blush
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 10-25%
Bloom Stage: Past peak
Fruit Present: No
Comments on Flowers: Few flowers but recently planted.

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
**Scientific Name:** Hydrangea paniculata  
**Variety:**  
**Cultivar:** Le Vesterival  
**Family:** Hydrangeaceae  
**Tnum:** 12060  
**Common Name:** Great Star Hydrangea  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Young, undefined  
**Plant Height:** 2-4 ft.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 2-3 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2012 - too soon to recommend.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
**Scientific Name:** Hydrangea paniculata  
**Family:** Hydrangeaceae  
**Tsnum:** 05087

**Cultivar:** Lime Light  
**Common Name:** Lime Light Hydrangea

**Source:** Proven Winners  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Upright  
**Plant Height:** 3-4 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 2-3 ft.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Excellent  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2007. Impressive show late in season.

**Observation Date of Flowers:** 9/24/2012  
**Flower Color:** White/light green with fantastic pink blush  
**Flower Type:** cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 60-75%  
**Bloom Stage:** Flowers open

**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**

**Aesthetics:**  
**Persistance:**

**Fall Color:**
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<th>Scientific Name:</th>
<th>Hydrangea paniculata</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Quick Fire</td>
<td>Family: Hydrangeaceae</td>
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<td>Common Name:</td>
<td>Quick Fire Hydrangea</td>
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<td>Proven Winners</td>
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<th>10/1/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>2-3 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>1-2 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>6-12 in.</td>
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<td>Landscape Uses:</td>
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<th>Overall Plant Health:</th>
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<tr>
<td>Insect Pests:</td>
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<td>Pest Severity:</td>
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<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
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</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
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**Comments on plant:** Planted in 2007. Slow to get established but is making progress since last evaluation.

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<tr>
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<tbody>
<tr>
<td>Flower Color:</td>
<td>Fading to pink</td>
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<td>Flower Effect:</td>
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<tr>
<td>% of Flower Coverage:</td>
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<td>Bloom Stage:</td>
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<td>Fruit Present:</td>
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<td>Comments on Flowers:</td>
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<th>Date of observation:</th>
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<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
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<tr>
<td>Scientific Name:</td>
<td>Hydrangea paniculata</td>
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<td>-----------------</td>
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<tr>
<td>Cultivar:</td>
<td>Renhy</td>
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<td>Common Name:</td>
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<td>Observation Date of Plant:</td>
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<td>Plant Habit:</td>
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<tr>
<td>Plant Height:</td>
<td>3-4 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>2-3 ft.</td>
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<td>Current Seasons Growth:</td>
<td>3-6 in.</td>
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<td>Plant Summer Texture:</td>
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<td>Fair</td>
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<td>Landscape Uses:</td>
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<td>Overall Plant Health:</td>
<td>Fair</td>
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<td>Insect Pests:</td>
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<td>Recommended:</td>
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<tr>
<td>Comments on plant:</td>
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<td>% of Flower Coverage:</td>
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<td>Bloom Stage:</td>
<td>Past peak</td>
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<td>Fruit Present:</td>
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<tr>
<td>Comments on Flowers:</td>
<td>Few flowers but recently planted.</td>
</tr>
<tr>
<td>Fall Color or Fruit:</td>
<td></td>
</tr>
<tr>
<td>Aesthetics:</td>
<td></td>
</tr>
<tr>
<td>Fall Color:</td>
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</tr>
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Page 459 of 1130
Scientific Name: Hydrangea paniculata
Variety: Tardiva
Family: Hydrangeaceae
Tnum: 98123

Common Name: Tardiva Panicle Hydrangea
Source: Bailey Nurseries
Quantity observed: 2

Observation Date of Plant: 9/26/2012
Plant Habit: Upright oval
Plant Height: 4-6 ft.
Plant Width: 4 - 6 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Showy blooms but has slight chlorosis.

Observation Date of Flowers: 9/10/2012
Flower Color: White with pink blush
Flower Type: cluster
Flower Effect: Excellent
% of Flower Coverage: 75.00%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Dependable for a good display of color.

Fall Color or Fruit: Fall color
Date of observation: 9/23/2004
Aesthetics: Fair
Persistence: 1-2 weeks
Fall Color: yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Hydrangea paniculata</th>
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<tbody>
<tr>
<td>Cultivar:</td>
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<td>Family:</td>
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<tr>
<td>Common Name:</td>
<td>Unique Late Pannicle Hydrangea</td>
<td>Hydrangeaceae</td>
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Observation Date of Plant: 9/27/2012

Plant Habit: Young, undefined
Plant Height: 2-4 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Had a period where it got missed by irrigation and was a little stressed.

Recommended: Yes
Comments on plant: Planted in 2010 and another in 2012

Observation Date of Flowers: 10/1/2012
Flower Color: White with pink blush
Flower Type: cluster
Flower Effect: fair
% of Flower Coverage: 20-50%
Bloom Stage: Past peak
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
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<tr>
<td>Plant Habit:</td>
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</tr>
<tr>
<td>Plant Height:</td>
<td>2-3 ft.</td>
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<tr>
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</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>1-2 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Coarse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
<td></td>
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</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
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<tr>
<td>Pest Severity:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Nuisances:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Marginal</td>
<td></td>
<td></td>
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<tr>
<td>Comments on plant:</td>
<td>Slow to gain size.</td>
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**Observation Date of Flowers:**

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<tr>
<th>Flower Color:</th>
<th>Fall color</th>
<th>Date of observation:</th>
<th>9/30/2012</th>
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<tbody>
<tr>
<td>Flower Type:</td>
<td></td>
<td>Persistance:</td>
<td>1-2 weeks</td>
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<tr>
<td>Flower Effect:</td>
<td></td>
<td>Fall Color:</td>
<td>Dark maroon red</td>
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<tr>
<td>% of Flower Coverage:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td>No sign of flowering in 2012.</td>
<td></td>
<td></td>
</tr>
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</table>
**Scientific Name:** Hydrangea serrata preziosa  
**Variety:**  
**Cultivar:** Pink Beauty  
**Family:** Hydrangeaceae  
**Tsnum:** 09053  
**Common Name:** Pink Beauty Hydrangea  
**Source:** Carlton Plants  
**Quantity observed:** 3  
**PI #:**

**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Young, undefined  
**Plant Height:** 1-2 ft.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Planted in 2009. Poor vigor, slow to establish but better than last evaluation.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:** No sign of flowering in 2012.

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
### Scientific Name: Hypericum kalmianum  
**Variety:**  
**Family:** Guttiferae  
**Tnum:** 07076

### Common Name: Kalm St. Johnswort  
**Source:** Carlton Plants  
**Quantity observed:** 1  
**PI #:**

### Observation Date of Plant: 9/27/2012

### Plant Habit: Round

### Plant Height: 3 ft.

### Plant Width: 3 ft.

### Current Seasons Growth: 6-12 in

### Foliage Color: Medium green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Fair

### Landscape Uses: Specimen, shrub border

### Overall Plant Health: Fair

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances: Marginal

### Recommended: Marginal


### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit: Fall Color:  
**Date of observation:**  
**Persistance:**

**Aesthetics:**
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<tr>
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<th>Hypericum x inodorum</th>
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<th>Tnum:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Prince Flair</td>
<td>Family:</td>
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<tr>
<td>Common Name:</td>
<td>Prince Flair St. John's Wort</td>
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<td>Source:</td>
<td>Greenleaf Nursery Co.</td>
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<tr>
<td>Quantity observed:</td>
<td>1</td>
<td>PI #:</td>
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</tbody>
</table>

**Observation Date of Plant:** 9/27/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 2-3.5 ft.  
**Plant Width:** 1.5-3 ft.  
**Current Seasons Growth:** 1-2 ft.

**Foliage Color:** Dark green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Planted in arboretum in 2005. Canopy is not cold hardy. Would probably look okay with a regular pruning to ground each spring.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistace:**
Scientific Name: Indigofera kirilowii  
Cultivar:  
Family: Papilionoideae  
Tsnum: 02017  
Common Name: Kirilow Indigo  
Source: Sjulin Nurseries  
Quantity observed: 2  
PI #:  

Observation Date of Plant: 8/27/2012  
Plant Habit: Broad oval to irregular  
Plant Height: 3-5 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 3-5 ft.  

Foliage Color: Light green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Marginal  
Comments on plant: Seems to only be growing new wood from the base. May need to cut to ground each winter. One of two is moderately chlorotic.  

Observation Date of Flowers: 6/5/2006  
Flower Color: Lavender  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 50-70%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers: Flowers are in long panicles that are very showy.  

Fall Color or Fruit: Fall color  
Date of observation: 9/26/2006  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: Golden yellow
### Scientific Name: Jamesia americana  
### Variety:  
### Cultivar:  
### Family: Hydrangeaceae  
### Tnum: 03161  
### Common Name: Wax Flower  
### Source: Fort Collins Nursery  
### Quantity observed: 2  
### PI #:  

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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
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<tr>
<td>Plant Height:</td>
<td>2 - 3.5 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>2-4 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>5-10 in.</td>
</tr>
</tbody>
</table>

| Foliage Color:              | Medium green|
| Bark Characteristics:       | Intermediate importance|
| Plant Summer Texture:       | Medium|
| Aesthetic Plant Quality:    | Fair|
| Landscape Uses:             | Specimen, native planting, shrub border|

| Overall Plant Health:       | Fair |
| Insect Pests:               |     |
| Pest Severity:              |     |
| Plant Disease:              |     |
| Disease Severity:           |     |
| Cultural Problems:          |     |
| Nuisances:                  |     |
| Recommended:                | Yes |
| Comments on plant:          | Planted in 2003. Plant was left over form Garden & Home show. Not a lot of vigor. |

| Observation Date of Flowers: | 6/1/2006 |
| Flower Color:                | White   |
| Flower Type:                 | Cluster |
| Flower Effect:               | Fair    |
| % of Flower Coverage:        | 30-40%  |
| Bloom Stage:                 | Flowers open |
| Fruit Present:               |         |
| Comments on Flowers:         |         |

| Fall Color or Fruit:         |         |
| Aesthetics:                  |         |
| Fall Color:                  |         |
Scientific Name: Juglans regia  
Variety:  
Cultivar: Carpathian  
Family: Juglandaceae  
Tnum: 03035  
Common Name: Carpathian English Walnut  
Source: Forrest Keeling Nursery  
Quantity observed: 2  
PI #:  

Observation Date of Plant: 10/9/2012  

Plant Habit: Round  
Plant Height: 7-9 ft.  
Plant Width: 7-10 ft.  
Current Seasons Growth: 14-20 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, large shade tree, wildlife  

Overall Plant Health: Excellent  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Vigor was very good in 2012.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Persistance:  
Fall Color:  

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Juglans cinerea
Variety: -0-
Cultivar: -0-  Family: Juglandaceae
Common Name: Butternut
Source: Western Evergreen Nursery  Quantity observed: 1  PI #: -0-

Tsnum: 78175

Observation Date of Plant: 10/4/2011
Plant Habit: Round to broad oval, mul
Plant Height: 20-30 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Appears to be recovering from old canker although decay is taking over on wounded areas. Old cankers are very extensive and unattractive.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/6/2008
Aesthetics: Good  Persistance: 1-2 weeks
Fall Color: golden yellow
### Scientific Name: Juglans mandshurica

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<th>Variety</th>
<th>Tsnm</th>
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<tr>
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<table>
<thead>
<tr>
<th>Common Name</th>
<th>Source</th>
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<tbody>
<tr>
<td>Manchurian Walnut</td>
<td>Fort Collins Nursery</td>
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<table>
<thead>
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<th>Quantity observed</th>
<th>PI #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>-0-</td>
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</tbody>
</table>

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Upright oval to round

**Plant Height:** 30-40 ft.

**Plant Width:** 40-50 ft.

**Current Seasons Growth:** 8-14 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

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<tr>
<td>Common Name:</td>
<td>Little Walnut</td>
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<tbody>
<tr>
<td>Plant Habit:</td>
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<tr>
<td>Plant Height:</td>
<td>20-25 ft.</td>
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<tr>
<td>Plant Width:</td>
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<td>6 - 12 in.</td>
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<td>Aesthetic Plant Quality:</td>
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<tr>
<td>Landscape Uses:</td>
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<tr>
<th>Overall Plant Health:</th>
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<tbody>
<tr>
<td>Insect Pests:</td>
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<tr>
<td>Pest Severity:</td>
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<td>Plant Disease:</td>
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<td>Disease Severity:</td>
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<td>Cultural Problems:</td>
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<td>Nuisances:</td>
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<td>Recommended:</td>
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<tr>
<td>Comments on plant:</td>
<td>Attractive growth habit and foliage.</td>
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<th>Observation Date of Flowers:</th>
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</thead>
<tbody>
<tr>
<td>Flower Color:</td>
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<tr>
<td>Flower Type:</td>
</tr>
<tr>
<td>Flower Effect:</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
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<tr>
<td>Bloom Stage:</td>
</tr>
<tr>
<td>Fruit Present:</td>
</tr>
<tr>
<td>Comments on Flowers:</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Fall color</th>
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<tbody>
<tr>
<td>Aesthetics:</td>
<td>Excellent</td>
</tr>
<tr>
<td>Fall Color:</td>
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<tr>
<td>Persistance:</td>
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<tr>
<td>Scientific Name:</td>
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<tr>
<td>Cultivar:</td>
<td>-0-</td>
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<td>Black Walnut</td>
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<tr>
<td>PI #:</td>
<td>-0-</td>
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</table>

**Observation Date of Plant:** 10/3/2011

**Plant Habit:** Upright oval

**Plant Height:** 50-60 ft.

**Plant Width:** 25-35 ft.

**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Wildlife, residential street, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
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<tr>
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<td>Observation Date of Plant:</td>
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<tr>
<td>Plant Habit:</td>
<td>Upright, oval</td>
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<tr>
<td>Plant Height:</td>
<td>7-10 ft.</td>
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<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>6-9 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>6-12 in.</td>
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<td>Foliage Color:</td>
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<td>Bark Characteristics:</td>
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<td>Plant Summer Texture:</td>
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<tr>
<td>Landscape Uses:</td>
<td>specimen, large shade tree, wildlife</td>
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<tr>
<td>Insect Pests:</td>
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<td>Pest Severity:</td>
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<tr>
<td>Cultural Problems:</td>
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<tr>
<td>Nuisances:</td>
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</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
<td></td>
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**Observation Date of Flowers:**

**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/14/2010  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** Golden yellow
### Scientific Name: Juglans regia  
**Variety:**  
**Cultivar:** Carpathian  
**Family:** Rosaceae  
**Tnum:** 02084  
**Common Name:** Carpathian English Walnut  
**Source:** Forrest Keeling Nursery  
**Quantity observed:** 1  
**PI #:**

#### Observation Date of Plant: 10/9/2012  
**Plant Habit:** Upright, oval  
**Plant Height:** 6-9 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, large shade tree, wildlife  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Canker on trunk  
**Disease Severity:** Moderate injury  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Canopy looks good but large canker on trunk will probably shorten lifespan significantly although it may just be sunscald. Planted in arboretum in 2005.

#### Observation Date of Flowers:  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

#### Fall Color or Fruit:  
**Aesthetics:**  
**Date of observation:**  
**Persistance:**  
**Fall Color:**
**Scientific Name:** Juniperus chinensis  
**Variety:** -0-  
**Cultivar:** Admiral  
**Family:** Cupressaceae  
**Tsum:** 84171  
**Common Name:** Admiral Chinese Juniper  
**Source:** American Nursery Product/Mi  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Pyramidal becoming rou  
**Plant Height:** 15 - 20 ft.  
**Plant Width:** 15 - 20 ft.  
**Current Seasons Growth:** 6 - 8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** One of three plants has lost the central leader due to snow in 2003.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
**Scientific Name:** Juniperus chinensis  
**Cultivar:** Ames  
**Family:** Cupressaceae  
**Tsun:** 84172  
**Common Name:** Ames Chinese Juniper  
**Source:** American Nursery Product/Mi  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Vase or irregular  
**Plant Height:** 8-12 ft.  
**Plant Width:** 8-14 ft.  
**Current Seasons Growth:** 1-2 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** All seem to be in decline.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**  

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Page 476 of 1130
Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color:
Scientific Name: Juniperus chinensis  
Variety: -0-  
Cultivar: Armstrong Aurea  
Family: Cupressaceae  
Tsun: 82176  
Common Name: Armstrong Aurea Chinese Juniper  
Source: Greenleaf Nursery Co.  
Quantity observed: 2  
PI #: -0-  

Observation Date of Plant: 11/7/2012  
Plant Habit: Spreading  
Plant Height: 4 - 6 ft.  
Plant Width: 15-20 ft  
Current Seasons Growth: 6 - 10 in.  

Foliage Color: Green with shades of yellow  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, xeriscape, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended:  
Comments on plant: Shades of yellow seems to be less noticeable as it matures.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

Page 478 of 1130
**Scientific Name:** Juniperus chinensis  
**Variety:** -0-  
**Cultivar:** Blue Point  
**Family:** Cupressaceae  
**Tsun:** 80049  
**Common Name:** Blue Point Chinese Juniper  
**Source:** Hines Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Irregular, upright  
**Plant Height:** 14-18 ft.  
**Plant Width:** 10-12 ft  
**Current Seasons Growth:** 2-5 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Poor to fair  
**Landscape Uses:** Specimen, xeriscape  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** This plant was crowded by neighbors prior to 2004 and has a very poor appearance but is getting better slowly.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
### Scientific Name: Juniperus chinensis  
### Cultivar: Daub's Frosted  
### Family: Cupressaceae  
### Tnum: 03152  
### Common Name: Daub's frosted Juniper  
### Source: Monrovia Growers  
### Quantity observed: 3  

#### Observation Date of Plant: 11/7/2012  
#### Plant Habit: Spreading  
#### Plant Height: 2-3 ft.  
#### Plant Width: 7-9 ft.  
#### Current Seasons Growth: 8-12 in.  

#### Foliage Color: Yellow on new stems/green on older foliage  
#### Bark Characteristics: Unimportant  
#### Plant Summer Texture: Fine  
#### Aesthetic Plant Quality: Fair  
#### Landscape Uses: Specimen, xeriscape, shrub border  

#### Overall Plant Health: Fair  
#### Insect Pests:  
#### Pest Severity:  
#### Plant Disease: Juniper blight  
#### Disease Severity: Severe one of three and slight injury on the other two  
#### Cultural Problems:  
#### Nuisances: Marginal  
#### Recommended: Marginal  

#### Comments on plant: Planted in arboretum in 2003. Awl shaped foliage lends a soft appearance to the plant. One of three is almost dead due to disease.

#### Observation Date of Flowers:  
#### Flower Color:  
#### Flower Type:  
#### Flower Effect:  
#### % of Flower Coverage:  
#### Bloom Stage:  
#### Fruit Present:  
#### Comments on Flowers:  

#### Fall Color or Fruit:  
#### Aesthetics:  
#### Fall Color:
Scientific Name: Juniperus chinensis

Cultivar: Fruitlandii

Family: Cupressaceae

Tsn: 87168

Common Name: Fruitland Chinese Juniper

Source: Monrovia Growers

Quantity observed: 1

PI #: -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading, irregular

Plant Height: 4-6 ft.

Plant Width: 16-22 ft

Current Seasons Growth: 10-15 in.

Foliage Color: Green with some blue shading

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, Xeriscape, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Yes

Recommended: Yes

Comments on plant: Most other junipers have a more uniform, attractive growth habit and this is fairly irregular.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Date of observation:

Aesthetics:

Persistence:

Fall Color:
### Juniperus chinensis

**Variety:** -0-

**Cultivar:** Hetzii Columnaris  
**Family:** Cupressaceae  
**Tnum:** 78179  
**Common Name:** Hetz Columnar Chinese Juniper  
**Source:** Zelenka Nursery  
**Quantity observed:** 2  
**PI #:** -0-

**Observation Date of Plant:** 11/7/2012

**Plant Habit:** Pyramidal  
**Plant Height:** 20-30 ft.  
**Plant Width:** 20-30 ft.  
**Current Seasons Growth:** 2-6 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, xeriscape

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Growth habit is not very columnar as implied by name.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
**Scientific Name:** Juniperus chinensis  
**Variety:** -0-  
**Cultivar:** Holbert  
**Family:** Cupressaceae  
**Tsnem:** 88195  
**Common Name:** Holbert Chinese Juniper  
**Source:** Hines Nursery  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Spreading  
**Plant Height:** 3-4 ft.  
**Plant Width:** 20-25 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Gray/green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Ground cover, Specimen, Xeriscape, Shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Has become huge spreader without pruning.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Juniperus chinensis
Cultivar: Hooks #6
Family: Cupressaceae
Tsnum: 07057
Common Name: Hooks #6 Juniper
Source: Monrovia Growers
Quantity observed: 3

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 3-4 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2007. All in decline probably due to inadequate irrigation at edge of arboretum. Would probably due fine in most irrigated landscapes.

Fall Color or Fruit:
Date of observation:
Aesthetics:
Persistance:
Fall Color:
## Scientific Name: Juniperus chinensis

**Family:** Cupressaceae

**Scientific Name:** Juniperus chinensis

**Cultivar:** Kallays Compacta  

**Family:** Cupressaceae

**Common Name:** Kallay Pfitzer Juniper

**Source:** Greenleaf Nursery Co.

**Quantity observed:** 1

**Tnum:** 00022

**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Spreading

**Plant Height:** 2-3 ft.

**Plant Width:** 10-12 ft.

**Current Seasons Growth:** 8-14 in.

**Foliage Color:** Blue/green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Ground cover, Xeriscape, Shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Keteleeri</td>
<td>Family:</td>
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<td>Common Name:</td>
<td>Keteleer Chinese Juniper</td>
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<td>Plant Habit:</td>
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<td>Plant Height:</td>
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<td>Plant Width:</td>
<td>22-30 ft.</td>
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<td>Current Seasons Growth:</td>
<td>6-10 in.</td>
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<td>Foliage Color:</td>
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<td>Bark Characteristics:</td>
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<td>Plant Summer Texture:</td>
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<td>Aesthetic Plant Quality:</td>
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<td>Overall Plant Health:</td>
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<td>Insect Pests:</td>
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<td>Pest Severity:</td>
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<td>Plant Disease:</td>
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<td>Disease Severity:</td>
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<td>Cultural Problems:</td>
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<td>Nuisances:</td>
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<td>Recommended:</td>
<td>Yes</td>
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<tr>
<td>Comments on plant:</td>
<td>Growth habit is a little open but still looks good.</td>
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| Observation Date of Flowers: |  |
| Flower Color:                |  |
| Flower Type:                 |  |
| Flower Effect:               |  |
| % of Flower Coverage:        |  |
| Bloom Stage:                 |  |
| Fruit Present:               |  |
| Comments on Flowers:         |  |

| Fall Color or Fruit: | Date of observation: |
| Aesthetics:          | Persistance:         |
| Fall Color:          |  |
Scientific Name: Juniperus chinensis  
Variety: -0-  
Cultivar: Mint Julep  
Family: Cupressaceae  
Tnum: 87169  
Common Name: Mint Julep Chinese Juniper  
Source: Monrovia Growers  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 11/2/2012  
Plant Habit: Spreading  
Plant Height: 4 - 6 ft.  
Plant Width: 20-25 ft.  
Current Seasons Growth: 3-6 in.  

Foliage Color: Dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, xeriscape, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Foliage color is rich and vibrant. Fruit shows up well and is fairly showy.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:
Scientific Name: Juniperus chinensis  
Variety: -0-  
Family: Cupressaceae  
Tsnm: 78180

Cultivar: Old Gold  
Common Name: Old Gold Chinese Juniper

Source: Alameda Wholesale Nursery  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 11/7/2012
Plant Habit: Spreading
Plant Height: 2-4 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6 - 8 in.

Foliage Color: Yellow
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Looks good for now but getting crowded by neighboring plants and may not survive.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
Scientific Name: Juniperus chinensis
Cultivar: Pfitzeriana
Family: Cupressaceae
Variety:
Tnum: 00168
Common Name: Pfitzer Chinese Juniper
Source: Colorado Garden & Home Sh
Quantity observed: 1
PI #:

Observation Date of Plant: 11/7/2012
Plant Habit: Spreading
Plant Height: 1-3 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border, screen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Would probably be wider if not crowded by nearby plants.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
Scientific Name: Juniperus chinensis
Cultivar: Robusta Green
Family: Cupressaceae
Common Name: Robusta Green Chinese Juniper
Source: Bath Nursery

Tsun: 78182

Variety: -0-
Quantity observed: 1

PI #: -0-

Observation Date of Plant: 11/7/2012
Plant Habit: Irregular, upright
Plant Height: 10-12 ft.
Plant Width: 12-15 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Ground cover, xeriscape, shrub border

Overall Plant Health: Fair
Insect Pests:

Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: marginal
Comments on plant: Central leader seems to have twisted and flopped to the side probably due to snow load.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color: Date of observation:
Persistence:
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Juniperus chinensis</th>
<th><strong>Variety:</strong></th>
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<td><strong>Cultivar:</strong></td>
<td>San Jose</td>
<td><strong>Family:</strong></td>
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<tr>
<td><strong>Common Name:</strong></td>
<td>San Jose Chinese Juniper</td>
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<td><strong>PI #:</strong></td>
<td>-0-</td>
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</tbody>
</table>

| **Observation Date of Plant:** | 11/2/2012 |
| **Plant Habit:**              | Spreading |
| **Plant Height:**             | 3 - 4 ft. |
| **Plant Width:**              | 8-12 ft |
| **Current Seasons Growth:**   | 6-8 in. |

| **Foliage Color:** | Medium green |
| **Bark Characteristics:** | Unimportant |
| **Plant Summer Texture:** | Fine |
| **Aesthetic Plant Quality:** | Good |
| **Landscape Uses:** | Ground cover, Xeriscape, Shrub border |

| **Overall Plant Health:** | Good |
| **Insect Pests:**     |      |
| **Pest Severity:**   |      |
| **Plant Disease:**   |      |
| **Disease Severity:** |      |
| **Cultural Problems:** |      |
| **Nuisances:**       |      |
| **Recommended:**     | Yes |
| **Comments on plant:** | Nice mounded growth habit. |

### Observation Date of Flowers:

| **Flower Color:** |      |
| **Flower Type:**  |      |
| **Flower Effect:** |      |
| **% of Flower Coverage:** |      |
| **Bloom Stage:**  |      |
| **Fruit Present:** |      |
| **Comments on Flowers:** |

| **Fall Color or Fruit:** |      |
| **Aesthetics:** |      |
| **Fall Color:** |      |

| **Date of observation:** |      |
| **Persistance:** |      |
### Scientific Name: Juniperus chinensis

#### Variety: pfitzeriana

#### Tsnum: 78183

#### Cultivar: Sarcoxie Compactum

#### Family: Cupressaceae

#### Common Name: Sarcoxie Compact Pfitzer Juniper

#### Source: Sarcoxie Nurseries Inc.

#### Quantity observed: 3

#### PI #: -0-

#### Observation Date of Plant: 11/7/2012

#### Plant Habit: Spreading

#### Plant Height: 4-7 ft.

#### Plant Width: 15-20 ft

#### Current Seasons Growth: 6 - 12 in.

#### Foliage Color: Medium green

#### Bark Characteristics: Unimportant

#### Plant Summer Texture: Fine

#### Aesthetic Plant Quality: Good

#### Landscape Uses: Xeriscape, shrub border

#### Overall Plant Health: Good

#### Insect Pests:

#### Pest Severity:

#### Plant Disease:

#### Disease Severity:

#### Cultural Problems:

#### Nuisances:

#### Recommended: Yes

#### Comments on plant: Has become enormous after 30 years. Too big for most landscapes.

#### Observation Date of Flowers:

#### Flower Color:

#### Flower Type:

#### Flower Effect:

#### % of Flower Coverage:

#### Bloom Stage:

#### Fruit Present:

#### Comments on Flowers:

#### Fall Color or Fruit:

#### Date of observation:

#### Aesthetics:

#### Persistence:

#### Fall Color:
Scientific Name: Juniperus chinensis
Variety: -0-
Cultivar: Sea Green  Family: Cupressaceae
Tsnm: 88196
Common Name: Sea Green Chinese Juniper
Source: Hines Nursery  Quantity observed: 3  PI #: -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Arching, spreading
Plant Height: 4 - 6 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Requires a large area or regular pruning.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  Date of observation:
Aesthetics:  Persistance:
Fall Color:
Scientific Name: Juniperus chinensis
Cultivar: Sea Spray
Common Name: Sea Spray Chinese Juniper
Source: Hines Nursery

Variety: -0-
Family: Cupressaceae
Tsun: 88197

Observation Date of Plant: 11/2/2012
Plant Habit: Spreading
Plant Height: 4 - 6 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: New growth is twisted like a turbulent wave which matches name but it seems to be less distinct as it matures.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
Scientific Name: Juniperus chinensis
Variety: densaerecta

Cultivar: Spartan  Family: Cupressaceae
Common Name: Spartan Juniper  Tsnum: 89097

Source: Greenleaf Nursery Co.  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal/irregular
Plant Height: 15-20 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border, screen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Foliage color is a nice rich green and fairly dark. One of showier junipers for fruit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  Date of observation:
Aesthetics:  Persistance:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
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<th>Scientific Name:</th>
<th>Juniperus chinensis</th>
<th>Variety:</th>
<th>denserecta</th>
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<tr>
<td>Cultivar:</td>
<td>Spartica</td>
<td>Family:</td>
<td>Cupressaceae</td>
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<tr>
<td>Common Name:</td>
<td>Spartica Chinese Juniper</td>
<td></td>
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<tr>
<td>Source:</td>
<td>Greenleaf Nursery Co.</td>
<td>Quantity observed:</td>
<td>1</td>
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<tr>
<td>Tsnm:</td>
<td>82177</td>
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</table>

**Observation Date of Plant:** 11/7/2012

**Plant Habit:** Pyramidal

**Plant Height:** 15-20 ft.

**Plant Width:** 18-22 ft.

**Current Seasons Growth:** 4-8 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** A little misshapen from snow load in 2003 but looks normal in 2012.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Juniperus chinensis  Variety: -0-
Cultivar: Spearmint  Family: Cupressaceae  Tsnm: 88198
Common Name: Spearmint Chinese Juniper
Source: Hines Nursery  Quantity observed: 2  PI #: -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal becoming more
Plant Height: 10-16 ft.
Plant Width: 10-16 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Foliage is a rich green color and very attractive. Makes a good contrast with fruit color.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Juniperus chinensis  
Variety:  
Cultivar: Winter Gold  
Family: Cupressaceae  
Tsnum: 99187  
Common Name: Winter Gold  
Source: ProGreen Expo  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 11/2/2012  
Plant Habit: Spreading  
Plant Height: 3-4 ft.  
Plant Width: 6-9 ft.  
Current Seasons Growth: 6-10 in.  

Foliage Color: Yellow/green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Xeriscape, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Looks good but is getting crowded by neighboring plant and may grow wider than listed here.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
Scientific Name: Juniperus chinensis pfitzeriana
Cultivar: Gold Lace
Common Name: Gold Lace Juniper
Source: Greenleaf Nursery Co.

Variety:
Family: Cupressaceae
Tnum: 98090

Quantity observed: 1
PI #:

Observation Date of Plant: 11/7/2012
Plant Habit: Spreading
Plant Height: 2-3 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Yellow
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Getting crowded by nearby plants.
Nuisances:
Recommended: Yes
Comments on plant: Foliage is very bright and attractive. Would probably be much wider if not crowded by nearby plants.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Date of observation:
Aesthetics:
Persistance:
Fall Color:
Scientific Name: Juniperus communis
Cultivar: Montana Spreader
Family: Cupressaceae
Variety: 
Tsnum: 11116

Common Name: Common Juniper
Source: Plant Select
Quantity observed: 1

Observation Date of Plant: 10/21/2011
Plant Habit: Spreading
Plant Height: 3-4 in.
Plant Width: 1-2 ft.
Current Seasons Growth: 3-4 in.

Foliage Color: Green with blue grey on top edge of needles.
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: n/a
Recommended: n/a
Comments on plant: Just planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistance: 

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Juniperus conferta  Variety: 
Cultivar: Silver Mist  Family: Cupressaceae  Tnum: 03011
Common Name: Silver Mist Juniper  Quantity observed: 1  PI 
Source: The Conard Pyle Co.

Observation Date of Plant: 11/2/2012
Plant Habit: Spreading
Plant Height: 10-18 in.
Plant Width: 4-6 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Blue/gray
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes
Comments on plant: Planted in 2004. Growth habit seems to be a little more open than most spreading junipers but is still attractive.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistance:
### Scientific Name: Juniperus davurica  
**Variety:**  
**Cultivar:** Expansa  
**Family:** Cupressaceae  
**Tnum:** 96095  
**Source:** Greenleaf Nursery Co.  
**Quantity observed:** 1  
**PI #:**

### Observation Date of Plant: 11/2/2012  
**Plant Habit:** Spreading  
**Plant Height:** 24-36 in.  
**Plant Width:** 8-12 ft.  
**Current Seasons Growth:** 6-10 in.

**Foliage Color:** Medium green with a little shade of blue  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Would probably look much better if in full sun.

### Observation Date of Flowers:  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

### Fall Color or Fruit:  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Juniperus excelsa  Variety:  
Cultivar: Stricta  Family: Cupressaceae  
Common Name: Spiney Greek Spiral Juniper  
Source: Greenleaf Nursery Co.  Quantity observed: 2  

Observation Date of Plant: 11/2/2012  
Plant Habit: Columnar  
Plant Height: 2-3 ft  
Plant Width: 12-18 in.  
Current Seasons Growth: 1-3 in.  

Foliage Color: Blue/gray  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Poor  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Poor  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: No  

Comments on plant: Attractive blue/gray foliage. Planted in 2005. Vigor is poor and may never have received adequate irrigation in order to get established. Would probably be fine in a landscape with regular irrigation.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  

Date of observation:  
Persistance:  

Tsun: 05071
### Scientific Name: Juniperus horizontalis **Variety:**

**Cultivar:** Blue Prince  
**Family:** Cupressaceae  
**Tsnum:** 01049

**Common Name:** Blue Prince Juniper  
**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Spreading  
**Plant Height:** 4-5 ft.  
**Plant Width:** 10-14 ft.  
**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Ground cover, specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**  
**Persistance:**

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Scientific Name: Juniperus horizontalis
Variety: -0-
Cultivar: Huntington Blue
Family: Cupressaceae
Tsnm: 86215
Common Name: Huntington Blue Creeping Juniper
Source: Monrovia Growers
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Spreading
Plant Height: 4-8 in.
Plant Width: 6 - 10 ft
Current Seasons Growth: 6 - 10 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Ground cover, Specimen, Xeriscape, Shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Seems to have recovered from juniper blight. Might be wider if not crowded by nearby plants.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
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<th>Scientific Name:</th>
<th>Juniperus horizontalis</th>
<th>Variety:</th>
<th>-0-</th>
<th>Tsnum:</th>
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<td>Cultivar:</td>
<td>Livingston</td>
<td>Family:</td>
<td>Cupressaceae</td>
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<td>Common Name:</td>
<td>Livingston Creeping Juniper</td>
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<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
<td>Quantity observed:</td>
<td>3</td>
<td>PI #:</td>
<td>-0-</td>
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<td>Observation Date of Plant:</td>
<td>11/7/2012</td>
<td>Plant Habit:</td>
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<tr>
<td>Plant Height:</td>
<td>1.5 - 3 ft.</td>
<td>Plant Width:</td>
<td>15-20 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
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<td>Steel blue</td>
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<td>Aesthetic Plant Quality:</td>
<td>Good</td>
<td>Landscape Uses:</td>
<td>Ground cover, specimen, xeriscape, shrub border</td>
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<td>Overall Plant Health:</td>
<td>Good</td>
<td>Insect Pests:</td>
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<td>Pest Severity:</td>
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<td>Disease Severity:</td>
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<td></td>
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<td>Nuisances:</td>
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<td>Recommended:</td>
<td>Yes</td>
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<td>Comments on plant:</td>
<td>Still a nice height even after 30 years.</td>
<td>Fall Color or Fruit:</td>
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<td>Date of observation:</td>
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<td>Aesthetics:</td>
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<td>Fall Color:</td>
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</table>
### Scientific Name: Juniperus procumbens  
**Variety:** -0-  
**Family:** Cupressaceae  
**Tsun:** 86144

### Common Name: Japarden Juniper

### Source:
Greenleaf Nursery Co.

### Quantity observed: 2

#### Observation Date of Plant: 11/2/2012

### Plant Habit: Spreading

### Plant Height: 1.5 - 3 ft.

### Plant Width: 15-20 ft.

### Current Seasons Growth: 6 - 12 in.

### Foliage Color: Blue/green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Fine

### Aesthetic Plant Quality: Good

### Landscape Uses: Ground cover, Specimen, Shrub border

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended: Yes

### Comments on plant:

#### Observation Date of Flowers:

#### Flower Color:

#### Flower Type:

#### Flower Effect:

#### % of Flower Coverage:

#### Bloom Stage:

#### Fruit Present:

#### Comments on Flowers:

### Fall Color or Fruit:

#### Date of observation:

### Aesthetics:

### Persistance:

### Fall Color:
### Scientific Name: Juniperus procumbens  
### Variety: nana  
### Tsnum: 83159

### Cultivar: California  
### Family: Cupressaceae  
### Common Name: California Dwarf Procumbens Juniper  
### Source: Greenleaf Nursery Co.  
### Quantity observed: 1  
### PI #: -0-

### Observation Date of Plant: 11/9/2012

#### Plant Habit: Spreading

#### Plant Height: 6-12 in.

#### Plant Width: 3-4 ft.

#### Current Seasons Growth: 2-5 in.

#### Foliage Color: Blue/light green

#### Bark Characteristics: Unimportant

#### Plant Summer Texture: Fine

#### Aesthetic Plant Quality: Fair

#### Landscape Uses: Specimen, shrub border

#### Overall Plant Health: Fair

#### Insect Pests:

#### Pest Severity:

#### Plant Disease:

#### Disease Severity:

#### Cultural Problems:

#### Nuisances:

#### Recommended: Yes

#### Comments on plant:

### Observation Date of Flowers:

#### Flower Color:

#### Flower Type:

#### Flower Effect:

#### % of Flower Coverage:

#### Bloom Stage:

#### Fruit Present:

#### Comments on Flowers:

### Fall Color or Fruit:  
### Date of observation:  
### Aesthetics:  
### Persistance:  
### Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Juniperus procumbens
Variety: nana
Tsnum: 83159

Cultivar: California
Family: Cupressaceae

Common Name: California Dwarf Procumbens Juniper
Source: Greenleaf Nursery Co.
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Spreading
Plant Height: 8-15 in.
Plant Width: 4-6 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Dwarf, compact habit is very attractive even after 25 years.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:
Scientific Name: Juniperus procumbens  
Variety: -0-  
Cultivar: Nana  
Family: Cupressaceae  
Tnum: 82179  
Common Name: Dwarf Procumbens Juniper  
Source: Greenleaf Nursery Co.  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 11/7/2012  
Plant Habit: Spreading  
Plant Height: 6-12 in.  
Plant Width: 7-10 ft.  
Current Seasons Growth: 4-8 in.

Foliage Color: Blue/green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Ground cover, Specimen, Shrub border

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease: Juniper blight  
Disease Severity: Slight injury  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: This plant would look better if it had more space.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:
Scientific Name: Juniperus sabina
Cultivar: Arcadia
Family: Cupressaceae
Tsun: 86216
Variety: -0-
Common Name: Arcadia Savin Juniper
Source: Monrovia Growers
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Spreading
Plant Height: 5 - 6 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 8 - 12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Fruit is showier than almost any other Juniper in this collection.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
**Scientific Name:** Juniperus sabina  
**Variety:** -0-  
**Cultivar:** Blue Danube  
**Family:** Cupressaceae  
**Tnum:** 87160  
**Common Name:** Blue Danube Savin Juniper  
**Source:** Oregon Garden Products  
**Quantity observed:** 2  
**PI #:** -0-

**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Spreading

**Plant Height:** 4 - 4.5 ft.

**Plant Width:** 18-25 ft.

**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Predominantly green but with a moderate shade of blue

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Ground cover, xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Crowding out neighboring plants. Needs lots of space or regular pruning.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Persistance:**

**Fall Color:**

**Date of observation:**

Page 512 of 1130
### Scientific Name: Juniperus sabina  
### Varieties: -0-  
### Cultivar: Broadmoor  
### Family: Cupressaceae  
### Tsnum: 78185  
### Common Name: Broadmoor Savin Juniper  
### Source: Hines Nursery  
### Quantity observed: 1  
### PI #: -0-  

#### Observation Date of Plant: 11/7/2012  
#### Plant Habit: Spreading  
#### Plant Height: 2 - 3.5 ft.  
#### Plant Width: 3-5 ft  
#### Current Seasons Growth: 4-6 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Ground cover, shrub border  

**Overall Plant Health:** Poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Juniper blight  
**Disease Severity:** 15% of canopy  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Can't say true width of plant since it is getting crowded by nearby plants. Will probably be gone by next evaluation if nearby plants aren't contained.

#### Observation Date of Flowers:  
#### Flower Color:  
#### Flower Type:  
#### Flower Effect:  
#### % of Flower Coverage:  
#### Bloom Stage:  
#### Fruit Present:  
#### Comments on Flowers:

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  

**Date of observation:**  
**Persistance:**
**Scientific Name:** Juniperus sabina  
**Family:** Cupressaceae  
**Cultivar:** Buffalo  
**Variety:** -0-  
**Tnum:** 78188  
**Common Name:** Buffalo Savin Juniper  
**Source:** Hines Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 11/7/2012  
**Plant Habit:** Spreading  
**Plant Height:** 2-2.5 ft.  
**Plant Width:** 12-18 ft  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Ground cover, xeriscape, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Juniper blight  
**Disease Severity:** 20% of canopy  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Still a nice height even after 30 years. Getting crowded by nearby plants and grassy weeds.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
### Scientific Name: Juniperus sabina

#### Variety: -0-

#### Cultivar: Calgary Carpet

#### Family: Cupressaceae

#### Tsnem: 83001

#### Common Name: Calgary Carpet Savin Juniper

#### Source: Carlton Plants

#### Quantity observed: 2

#### PI #: -0-

---

**Observation Date of Plant:** 11/9/2012  
**Plant Habit:** Spreading  
**Plant Height:** 0.5 - 1.5 ft.  
**Plant Width:** 6-10 ft.  
**Current Seasons Growth:** 6-10 in.

**Foliage Color:** Grey/green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Excellent  
**Landscape Uses:** Ground cover, Shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

---

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Scientific Name: Juniperus sabina
Cultivar: Idlewild
Family: Cupressaceae
Variety: -0-
Tnum: 78186

Common Name: Idlewild Savin Juniper
Source: Stribling's Nurseries Inc.
Quantity observed: 3

PI #: -0-

Observation Date of Plant: 11/7/2012
Plant Habit: Spreading
Plant Height: 4 - 6 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Ground cover, xeriscape, shrub border

Overall Plant Health: Fair
Insect Pests: Scale
Pest Severity: Slight injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on Plant: Nice vibrant green color.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Juniperus sabina  
Variety: -0-
Cultivar: Mini Arcadia  
Family: Cupressaceae  
Tnum: 88131
Common Name: Mini Arcadia Savin Juniper
Source: Greenleaf Nursery Co.
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading
Plant Height: 1.5 - 2 ft.
Plant Width: 10-14 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: Ground cover, Specimen, Shrub border

Overall Plant Health: Excellent

Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Much more attractive form than J. ‘Arcadia’. Growth habit is dense and bushy but very uniform even after 20 years. Foliage is a very nice rich green color.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
**Scientific Name:** Juniperus sabina  
**Variety:**  
**Cultivar:** Pepin  
**Family:** Cupressaceae  
**Tnum:** 03130  
**Common Name:** Pepin Savin Juniper  
**Source:** Bailey Nurseries  
**Quantity observed:** 3  
**PI #:**

**Observation Date of Plant:** 11/7/2012  
**Plant Habit:** Spreading  
**Plant Height:** 2-3 ft.  
**Plant Width:** 5-8 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Gray/green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Xeriscape, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2003. One of three has severe juniper blight and will be removed. The other two look good.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
**Scientific Name:** Juniperus sabina  
**Variety:** -0-  
**Cultivar:** Sierra Spreader  
**Family:** Cupressaceae  
**Tnum:** 91159  
**Common Name:** Sierra Spreader Juniper  
**Source:** Hines Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Spreading  
**Plant Height:** 12-24 in.  
**Plant Width:** 8-12 ft.  
**Current Seasons Growth:** 6 - 12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Ground cover, Specimen, Xeriscape, Shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** This plant is getting crowded by neighboring plants.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
### Scientific Name: Juniperus sabina
### Varieties: Tamariscifolia New Blue
### Family: Cupressaceae
### Scientific Name: Juniperus sabina
### Varieties: Tamariscifolia New Blue
### Family: Cupressaceae

- **Common Name:** New Blue Tammy Juniper
- **Source:** Zelenka Nursery
- **Quantity observed:** 2
- **PI #:** -0-
- **Observation Date of Plant:** 11/2/2012
- **Plant Habit:** Spreading
- **Plant Height:** 2 - 4 ft.
- **Plant Width:** 6-10 ft.
- **Current Seasons Growth:** 6-10 in.
- **Foliage Color:** Medium green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Fine
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Ground cover, Xeriscape, Shrub border
- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:** Getting crowded by nearby plants.
- **Nuisances:** Yes
- **Recommended:** Yes
- **Comments on plant:** Both plants getting crowded by neighboring plants and one is almost swallowed up. New growth appears to have a shade of blue more than the older mature foliage.
- **Fall Color or Fruit:**
- **Date of observation:**
- **Aesthetics:**
- **Persistance:**
- **Fall Color:**
- **Observation Date of Flowers:**
- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**
- **Comments on Flowers:**

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<tr>
<th>Scientific Name</th>
<th>Variety</th>
<th>Tsnum</th>
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<tbody>
<tr>
<td>Juniperus sabina</td>
<td>-0-</td>
<td>93104</td>
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<tr>
<td>Tamariscifolia New Blue</td>
<td>Cupressaceae</td>
<td></td>
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</tbody>
</table>
**Scientific Name:** Juniperus sabina  
**Variety:** -0-  
**Cultivar:** Von Ehron  
**Family:** Cupressaceae  
**Tsun:** 82180  
**Common Name:** Von Ehron Savin Juniper  
**Source:** Greenleaf Nursery Co.  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 11/7/2012  
**Plant Habit:** Spreading  
**Plant Height:** 5-7 ft.  
**Plant Width:** 20-30 ft.  
**Current Seasons Growth:** 10-15 in.  

**Foliage Color:** Medium green/brownish-yellow buds  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Not for most landscapes as this plant has become a giant and will swallow up any nearby plants.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
**Scientific Name:** Juniperus scopulorum  
**Variety:** -0-  
**Cultivar:** Blue Haven  
**Family:** Cupressaceae  
**Tnum:** 81271  
**Common Name:** Blue Haven Rocky Mtn. Juniper  
**Source:** Wilmore Nurseries  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Pyramidal to upright oval  
**Plant Height:** 15-20 ft.  
**Plant Width:** 9-14 ft  
**Current Seasons Growth:** 6 - 10 in.  

**Foliage Color:** Blue  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border, screen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Very nice foliage color.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
**2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center**  
**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Juniperus scopulorum</th>
<th>Variety:</th>
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</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Blue Trail</td>
<td>Family: Cupressaceae</td>
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<tr>
<td>Common Name:</td>
<td>Blue Trail Juniper</td>
<td>Tnum: 08046</td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed: 2</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Upright, young and fairly  
**Plant Height:** 4-6 ft.  
**Plant Width:** 2-4 ft.  
**Current Seasons Growth:** 3-6 in.

**Foliage Color:** blue  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, xeriscape, screen  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Slow to establish since it is planted at edge of arboretum where irrigation is less  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 and too soon to recommend.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  

**Date of observation:**

**Persistance:**
**Scientific Name:** Juniperus scopulorum  
**Variety:** -0-  
**Cultivar:** Cologreen  
**Family:** Cupressaceae  
**Tsnum:** 87111  
**Common Name:** Cologreen Rocky Mountain Juniper  
**Source:** Zelenka Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Pyramidal  
**Plant Height:** 8-11 ft.  
**Plant Width:** 8-10 ft.  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Scientific Name: Juniperus scopulorum  
Variety: -0-  
Cultivar: Cupressifolia  
Family: Cupressaceae  
Tsnm: 81282  
Common Name: Rocky Mtn. Juniper  
Source: South Dakota State University  
Quantity observed: 1  
PI #: 76110  

Observation Date of Plant: 11/2/2012  
Plant Habit: Pyramidal becoming upright  
Plant Height: 15-20 ft.  
Plant Width: 16-20 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, xeriscape  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistane:
**Scientific Name:** Juniperus scopulorum  
**Variety:** -0-  
**Cultivar:** Gray Gleam  
**Family:** Cupressaceae  
**Tsnm:** 78193  
**Common Name:** Gray Gleam Rocky Mountain Juniper  
**Source:** Bath Nursery  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Pyramidal

**Plant Height:** 14-18 ft.

**Plant Width:** 10-15 ft

**Current Seasons Growth:** 6 - 8 in.

**Foliage Color:** Gray

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, xeriscape, shrub border, screen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Great color and form except for some snow load damage in 2003.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
### Scientific Name: Juniperus scopulorum

### Variety: -0-

### Cultivar: Macfarlane

### Family: Cupressaceae

### Tsnup: 81272

### Common Name: Macfarlane Rocky Mtn. Juniper

### Source: Denver Botanic Gardens

### Quantity observed: 2

### PI #: 61171

### Observation Date of Plant: 11/7/2012

### Plant Habit: Columnar

### Plant Height: 20-30 ft.

### Plant Width: 5-7 ft.

### Current Seasons Growth: 4-8 in.

### Foliage Color: Gray/green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Fine

### Aesthetic Plant Quality: Good

### Landscape Uses: Specimen, shrub border, screen, narrow areas

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances: Yes

### Recommended: Yes

### Comments on plant: Growth habit is very uniform and impressive.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Aesthetics: Persistance:

### Fall Color:
Scientific Name: Juniperus scopulorum
Variety: -0-
Cultivar: Medora
Family: Cupressaceae
Tsnm: 86219
Common Name: Medora Rocky Mountain Juniper
Source: Monrovia Growers
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Columnar/narrowly pyra
Plant Height: 12-18 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6 - 10 in.

Foliage Color: Gray/blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Deformed by snow load in 2003 but looks okay in 2012.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Juniperus scopulorum  Variety: -0- 
Cultivar: Medora  Family: Cupressaceae  Tsnum: 87170 
Common Name: Medora Rocky Mountain Juniper  Quantity observed: 2  PI #: -0- 

Observation Date of Plant: 11/2/2012 
Plant Habit: Columnar 
Plant Height: 9-13 ft. 
Plant Width: 6-9 ft. 
Current Seasons Growth: 6-10 in. 

Foliage Color: Gray 
Bark Characteristics: Unimportant 
Plant Summer Texture: Fine 
Aesthetic Plant Quality: Fair 
Landscape Uses: Specimen, xeriscape, shrub border, screen 

Overall Plant Health: Fair 
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes 
Comments on plant: One of two deformed by snow in 2003 but looks fairly normal now.

Observation Date of Flowers: 
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers: 

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistence:
**Scientific Name:** Juniperus scopulorum  
**Variety:** -0-  
**Cultivar:** Monam  
**Family:** Cupressaceae  
**Tnum:** 76013  
**Common Name:** Monam Rocky Mtn. Juniper  
**Source:** Unknown  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Spreading  
**Plant Height:** 12-18 in  
**Plant Width:** 6 - 10 ft  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Gray/blue  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Ground cover, Specimen, Xeriscape, Shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Getting crowded by nearby plants.  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Looks good with a controlled growth habit even after 30 years.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  

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<table>
<thead>
<tr>
<th>Fall Color or Fruit</th>
<th>Date of observation</th>
<th>Persistance</th>
</tr>
</thead>
</table>

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Scientific Name: Juniperus scopulorum  
Variety: -0-  
Cultivar: Pathfinder  
Family: Cupressaceae  
Tsunum: 83170  
Common Name: Pathfinder Rocky Mountain Juniper  
Source: Zelenka Nursery  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 11/2/2012  
Plant Habit: Pyramidal  
Plant Height: 15-20 ft.  
Plant Width: 15-20 ft  
Current Seasons Growth: 6-12 in.  

Foliage Color: Gray  
Bark Characteristics: Not very important  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests: Galls  
Pest Severity: Slight injury  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistence:
**Scientific Name:** Juniperus scopulorum  
**Variety:**  
**Cultivar:** Sky Rocket  
**Family:** Cupressaceae  
**Tsun:** 98091

**Common Name:** Skyrocket Juniper  
**Source:** Greenleaf Nursery Co.  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Upright oval/pyramidal  
**Plant Height:** 8-11 ft.  
**Plant Width:** 9-12 ft.  
**Current Seasons Growth:** 8-15 in.

**Foliage Color:** Gray  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair and poor  
**Landscape Uses:** Specimen, xeriscape, shrub border, screen

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Deformed by snow load in 2003. One of two trees appeared to have the top half slowly dying from unknown cause in 2010 but no dieback in 2012. Both would look much better if not for snow damage.

**Observation Date of Flowers:**

**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Date of observation:**
**Aesthetics:** Persistance:
**Fall Color:**
**Scientific Name:** Juniperus scopulorum  
**Cultivar:** Sutherland  
**Family:** Cupressaceae  
**Common Name:** Sutherland Rocky Mountain Juniper  
**Source:** Fort Collins Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Pyramidal to irregular/rou  
**Plant Height:** 8-12 ft.  
**Plant Width:** 12-18 ft  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Growth habit is very poor due to past snow damage.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  

**Date of observation:**  
**Persistance:**
Scientific Name: Juniperus scopulorum  
Variety: -0-  
Cultivar: Sutherland  
Family: Cupressaceae  
Tnum: 89099  
Common Name: Sutherland Juniper  
Source: Greenleaf Nursery Co.  
Quantity observed: 2  
PI #: -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Pyramidal to irregular/rou  
**Plant Height:** 8-12 ft.  
**Plant Width:** 12-18 ft  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Galls  
**Disease Severity:** Slight injury  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Deformed by snow load spring of 2003 but looks okay in 2012.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Scientific Name: Juniperus scopulorum  
Variey: -0-  
Cultivar: Tollison Weeping  
Family: Cupressaceae  
Tsnum: 78192  
Common Name: Tollison Weeping Rocky Mountain Juniper  
Source: Bath Nursery  
Quantity observed: 2  
PI #: -0-  

Observation Date of Plant: 11/7/2012  
Plant Habit: Pyramidal to upright oval  
Plant Height: 22-28 ft.  
Plant Width: 25-32 ft.  
Current Seasons Growth: 6 - 12 in.  

Foliage Color: Gray/green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Top broke out in one of two trees by Spring snow in 2003. Makes a good plant to add character to the landscape due to weeping habit.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
Scientific Name: Juniperus scopulorum  
Variety:  
Tsunum: 84173
Cultivar: Welchii  
Family: Cupressaceae
Common Name: Welch Rocky Mountain Juniper
Source: American Nursery Product/Mi  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Irregular, upright
Plant Height: 12-18 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:
Recommended: Marginal

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Date of observation:  
Persistance:  
Fall Color:
### Scientific Name: Juniperus scopulorum
### Variety: -0-
### Tsnum: 83348

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<th>Cultivar</th>
<th>Winter Blue</th>
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<td>Family</td>
<td>Cupressaceae</td>
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### Common Name: Winter Blue Rocky Mountain Juniper

### Source: Unknown
### Quantity observed: 3
### PI #: -0-

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<tr>
<td>Plant Habit:</td>
<td>Spreading</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>5-8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>15-20 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6 - 12 in.</td>
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<th>Foliage Color:</th>
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<td>Bark Characteristics:</td>
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<td>Plant Summer Texture:</td>
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<td>Aesthetic Plant Quality:</td>
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<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
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<th>Overall Plant Health:</th>
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<td>Insect Pests:</td>
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<td>Pest Severity:</td>
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<td>Disease Severity:</td>
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<td>Cultural Problems:</td>
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<td>Nuisances:</td>
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<tr>
<td>Recommended:</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Has intense gray foliage color.</td>
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### Observation Date of Flowers:
### Flower Color: |
### Flower Type: |
### Flower Effect: |
### % of Flower Coverage: |
### Bloom Stage: |
### Fruit Present: |
### Comments on Flowers: |

### Fall Color or Fruit: |
### Date of observation: |
### Aesthetics: |
### Persistance: |
### Fall Color: |
Scientific Name: Juniperus scopulorum  
Variety: -0-  
Cultivar: Witchita Blue  
Family: Cupressaceae  
Tnum: 83160  
Common Name: Witchita Blue Rocky Mountain Juniper  
Source: Greenleaf Nursery Co.  
Quantity observed: 3  
PI #: -0-

Observation Date of Plant: 11/7/2012  
Plant Habit: Pyramidal to upright oval  
Plant Height: 15-20 ft.  
Plant Width: 12-18 ft  
Current Seasons Growth: 1-2 in.

Foliage Color: Blue  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair  
Insect Pests: Scale  
Pest Severity: Moderate injury  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: One of the three is deformed by breakage due to snow.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit: Date of observation:  
Aesthetics: Persistance:  
Fall Color:
**Scientific Name:** Juniperus scopulorum  
**Variety:** -0-  
**Cultivar:** Woodward Columnar  
**Family:** Cupressaceae  
**Tsum:** 81296  
**Common Name:** Woodward Columnar Rocky Mtn. Juniper  
**Source:** Denver Botanic Gardens  
**Quantity observed:** 1  
**PI #:** PN464  

**Observation Date of Plant:** 11/7/2012  
**Plant Habit:** Columnar  
**Plant Height:** 25-32 ft.  
**Plant Width:** 3-5 ft.  
**Current Seasons Growth:** 6 - 12 in.  

**Foliage Color:** Medium green/gray  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border, screen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Similar to 'MacFarlane' except it seem taller and thinner. Excellent, uniform growth habit requires no pruning.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
### Scientific Name: Juniperus squamata
### Variety: –0–
### Cultivar: Blue Carpet  
### Family: Cupressaceae  
### Tnum: 87171  
### Common Name: Blue Carpet Singleseed Juniper  
### Source: Monrovia Growers  
### Quantity observed: 1  
### PI #: –0–

**Observation Date of Plant:** 11/7/2012

**Plant Habit:** Irregular

**Plant Height:** 5 - 6 ft.

**Plant Width:** 8-10 ft

**Current Seasons Growth:** 1-2 in.

**Foliage Color:** Blue

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Poor

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Poor

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:** Getting crowded by nearby plants

**Nuisances:** Marginal

**Recommended:**

**Comments on plant:** Growth habit is not very much like the 'carpet' term used in name. Plant is getting crowded by neighboring plants and in severe decline. Would look healthier with more irrigation.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistence:**
Scientific Name: Juniperus squamata  
Variety: -0- 
Cultivar: Blue Carpet  
Family: Cupressaceae 
Tsnun: 88165 
Common Name: Blue Carpet Singleseed Juniper  
Source: Monrovia Growers 
Quantity observed: 1 
PI #: -0- 

Observation Date of Plant: 11/7/2012 
Plant Habit: Arching, spreading 
Plant Height: 3-4 ft. 
Plant Width: 8-12 ft 
Current Seasons Growth: 6-10 in. 

Foliage Color: Blue/green 
Bark Characteristics: Unimportant 
Plant Summer Texture: Coarse 
Aesthetic Plant Quality: Fair to poor 
Landscape Uses: Specimen, shrub border 

Overall Plant Health: Fair 
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Marginal 
Comments on plant: Older foliage is turning brown and looks unattractive - may need more irrigation. 

Observation Date of Flowers: 
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers: 

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 

Date of observation: 
Persistance: 

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Scientific Name: Juniperus squamata
Variety: -0-
Cultivar: Meyeri
Family: Cupressaceae
Tsunum: 78195
Common Name: Meyer Singleseed Juniper
Source: Colorado Nurseryman
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 11/7/2012
Plant Habit: Irregular or partly vase
Plant Height: 10 - 15 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 4-8 in.

Foliage Color: Blue/green
Bark Characteristics: Important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Plant growth habit is too coarse for most landscapes but has a lot of character. Seems to be in decline possibly from too much competition from nearby plants for water.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
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<td><strong>Source:</strong></td>
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<td><strong>PI #:</strong></td>
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**Observation Date of Plant:** 11/7/2012

**Plant Habit:** Spreading

**Plant Height:** 2-3 ft.

**Plant Width:** 8-10 ft.

**Current Seasons Growth:** 4-8 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Ground cover, Xeriscape, Shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on Plant:** Would probably look better if it had more uniform irrigation but this one is at edge of arboretum where it is less uniform.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
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<tr>
<td>Plant Habit:</td>
<td>Pyramidal</td>
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<tr>
<td>Plant Height:</td>
<td>24-28 ft.</td>
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<tr>
<td>Plant Width:</td>
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<td>Current Seasons Growth:</td>
<td>3-4 in.</td>
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<td>Foliage Color:</td>
<td>Medium green</td>
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<tr>
<td>Bark Characteristics:</td>
<td>Intermediate importance</td>
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<td>Plant Summer Texture:</td>
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<td>Landscape Uses:</td>
<td>Specimen, xeriscape</td>
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<td>Overall Plant Health:</td>
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<td>Insect Pests:</td>
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<td>Plant Disease:</td>
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<td>Disease Severity:</td>
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<td>Recommended:</td>
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<td>Comments on plant:</td>
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**Observation Date of Flowers:**
- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**
- **Comments on Flowers:**

**Fall Color or Fruit:**
- **Date of observation:**
- **Aesthetics:**
- **Fall Color:**
- **Persistance:**
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<tr>
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<td>Burkii</td>
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<td>Cupressaceae</td>
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<tr>
<td><strong>Common Name:</strong></td>
<td>Burk Eastern Red Cedar</td>
<td><strong>Tsum:</strong></td>
<td>88200</td>
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<td><strong>Source:</strong></td>
<td>Hines Nursery</td>
<td><strong>Quantity observed:</strong></td>
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**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Pyramidal

**Plant Height:** 13-17 ft.

**Plant Width:** 18-25 ft.

**Current Seasons Growth:** 4-8 in.

**Foliage Color:** Gray

**Bark Characteristics:** Not very important

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, xeriscape

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Marginal

**Recommended:** Marginal

**Comments on plant:** Canopy isn't very dense.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
Scientific Name: Juniperus virginiana
Cultivar: Cupressifolia
Family: Cupressaceae
Tnum: 81285
Variety: -0-
Common Name: Eastern Red Cedar
Source: South Dakota State University
Quantity observed: 1
PI #: 76114

Observation Date of Plant: 11/7/2012
Plant Habit: Pyramidal
Plant Height: 18-24 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6 - 10 in.
Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Would probably be healthier if not crowded by nearby plants.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Date of observation:
Aesthetics:
Persistance:
Fall Color:
Scientific Name: Juniperus virginiana
Variety: -0-
Cultivar: Grey Owl
Family: Cupressaceae
Tsun: 86146

Common Name: Grey Owl Eastern Red Cedar
Source: Greenleaf Nursery Co.
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Spreading becoming irregular
Plant Height: 7-9 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Gray
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal

Comments on plant: Nice color but growth habit isn't very uniform. Most of plant is about three to four feet tall but part is becoming more tree-like and upright. Fruit is showy.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:

Page 547 of 1130
**Scientific Name:** Juniperus virginiana  
**Variety:** cupressifolia  
**Cultivar:** Hillspire  
**Family:** Cupressaceae  
**Tsnm:** 78196  
**Common Name:** Hillspire Eastern Red Cedar  
**Source:** Bath Nursery  
**Quantity observed:** 2  
**PI #:** -0-  
**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Pyramidal  
**Plant Height:** 20-25 ft.  
**Plant Width:** 25-30 ft.  
**Current Seasons Growth:** 6 - 10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, xeriscape  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Foliage has a nice rich green color and combine well with the fruit for an attractive overall appearance. Growth habit is somewhat irregular due to snow damage.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Juniperus virginiana
Cultivar: Manhattan Blue
Family: Cupressaceae
Common Name: Manhattan Blue Eastern Red Cedar
Source: Bath Nursery

Quantity observed: 1

PI #: -0-

TSnum: 78198

Observation Date of Plant: 11/7/2012
Plant Habit: Pyramidal
Plant Height: 24-30 ft.
Plant Width: 25-33 ft.
Current Seasons Growth: 4-7 in.

Foliage Color: Blue/green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal

Comments on plant: Looks a little too coarse for most landscapes. Vigor is low but may perform better if not as crowded by neighboring plants as this one.
### Scientific Name: Juniperus virginiana
#### Variety: prostrata

**Tsnum:** 81286

**Cultivar:** Silver Spreader  
**Family:** Cupressaceae

**Common Name:** Silver Spreader Eastern Red Cedar

**Source:** South Dakota State University  
**Quantity observed:** 1  
**PI #:** 76115

**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Spreading

**Plant Height:** 3 - 4 ft.

**Plant Width:** 20-25 ft.

**Current Seasons Growth:** 1 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Poor

**Landscape Uses:** Specimen, shrub border, screen

**Overall Plant Health:** Poor

**Insect Pests:**

**Pest Severity:**

**Plant Disease:** Scale

**Disease Severity:** Moderate injury

**Cultural Problems:**

**Nuisances:** No

**Recommended:** No

**Comments on plant:** In severe decline with some brown on all foliage tips.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistence:**
Scientific Name: Juniperus virginiana
Cultivar: Sky Rocket
Family: Cupressaceae
Common Name: Sky Rocket Eastern Red Cedar
Source: Greenleaf Nursery Co.
Quantity observed: 2

Tnum: 83161

Observation Date of Plant: 11/2/2012
Plant Habit: Irregular to pyramidal
Plant Height: 12-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Gray/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Susceptible to storm damage
Recommended: Marginal
Comments on plant: Severely deformed by spring snow in 2003. Only one of two trees is slowly regaining a decent appearance.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:

Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
**Scientific Name:** Juniperus virginiana  
**Cultivar:** Stover  
**Family:** Cupressaceae  
**Tsun: 81284**

**Common Name:** Stover Eastern Red Cedar  
**Source:** South Dakota State University  
**Quantity observed:** 1  
**PI #: 7689**

**Observation Date of Plant:** 11/7/2012

**Plant Habit:** Pyramidal

**Plant Height:** 20-24 ft.

**Plant Width:** 25-30 ft.

**Current Seasons Growth:** 3-6 in.

**Foliage Color:** Gray/green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Poor

**Landscape Uses:** Specimen, xeriscape

**Overall Plant Health:** Poor to fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** No

**Recommended:** No

**Comments on plant:** Significant storm damage occurred in 2003. Tilting like a capsizing ship probably due to snow load. Canopy is thin and vigor is weak.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**

---

Page 552 of 1130
**Scientific Name:** Juniperus x

**Variety:**

**Cultivar:**

**Family:** Cupressaceae

**Tnum:** 97081

**Common Name:** Juniper

**Source:** USDA/NC-7, Ames, IA

**Quantity observed:** 3

**PI #:** Ames 23250

**Observation Date of Plant:** 11/7/2012

**Plant Habit:** Creeping (ground cover)

**Plant Height:** 6-8 in.

**Plant Width:** 4-7 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Ground cover, shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** Not a good evaluation this year due to aggressive competition and crowding from grassy weeds.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
SCIENTIFIC NAME: Kalopanax septemlobus  
Family: Araliaceae  
Variety:  
Tnum: 99028  

Common Name: Kalopanax  
Cultivar:  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 1  
PI #: Ames 19051  

Observation Date of Plant: 9/29/2010  
Plant Habit: Young, undefined  
Plant Height: 5-7 ft.  
Plant Width: 2-3 ft.  
Current Seasons Growth: 6 - 10 in.  

Foliage Color: Medium green  
Bark Characteristics: Important  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Good  
Landscape Uses: Barrier, specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease: Canker  
Disease Severity: Slight injury  
Cultural Problems:  
Nuisances: Yes  
Recommended:  
Comments on plant: Planted in arboretum in 2003. Has a very unique appearance with the large spines all over it.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 9/30/2006  
Aesthetics: Good  
Persistence: 1-2 weeks  
Fall Color: Bright yellow
**Scientific Name:** Kerria japonica  
**Variety:** pleniflora  
**Family:** Rosaceae  
**Tnum:** 84117  
**Cultivar:** -0-  
**Common Name:** Japanese Kerria  
**Source:** Sherman Nursery  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 9/26/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 3-4.5 ft.  
**Plant Width:** 5-9 ft  
**Current Seasons Growth:** 15-30 in.  

**Foliage Color:** Light green/yellow  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Entire plant gets some chlorosis and it gets a fair amount of dieback each year.

**Observation Date of Flowers:** 6/26/2006  
**Flower Color:** Yellow  
**Flower Type:** Single  
**Flower Effect:** Fair to good  
**% of Flower Coverage:** 30-40%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name: Koelreuteria paniculata</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Family: Sapindaceae</td>
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<tr>
<td>Common Name: Golden Rain Tree</td>
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<tr>
<td>Source: Greenleaf Nursery Co.</td>
<td>Quantity observed: 1</td>
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<td>TSnum: 96092</td>
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</table>

**Observation Date of Plant:** 9/28/2012

**Plant Habit:** Round to irregular

**Plant Height:** 15-20 ft.

**Plant Width:** 20-25 ft

**Current Seasons Growth:** 1 - 2 ft.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:** Canker

**Disease Severity:** Inactive

**Cultural Problems:**

**Nuisances:** Getting a lot of seedlings nearby.

**Recommended:** Yes

**Comments on plant:** Growth habit is a little lopsided due to past storm damage. Fruit is very ornamental.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color

**Date of observation:** 9/26/2006

**Aesthetics:** Good

**Persistence:** 1-2 weeks

**Fall Color:** Golden yellow
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Kolkwitzia amabilis</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Family:</td>
<td>Caprifoliaceae</td>
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<tr>
<td>Common Name:</td>
<td>Beautybush</td>
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<td>81107</td>
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<tr>
<td>Source:</td>
<td>Monrovia Growers</td>
<td>Quantity observed:</td>
<td>1</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>9/26/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Irregular, arching</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6 - 9 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>8-12 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>1 - 2 ft.</td>
</tr>
</tbody>
</table>

| Foliage Color:             | Medium green |
|                           |            |
| Bark Characteristics:      | Intermediate importance |
| Plant Summer Texture:      | Coarse |
| Aesthetic Plant Quality:   | Fair |
| Landscape Uses:            | Specimen, shrub border |

| Overall Plant Health:      | Good |
|                           |     |
| Insect Pests:              |     |
| Pest Severity:             |     |
| Plant Disease:             |     |
| Disease Severity:          |     |
| Cultural Problems:         |     |
| Nuisances:                 |     |
| Recommended:               | Yes |
| Comments on plant:         | Growth habit isn't very uniform. |

| Observation Date of Flowers: | 5/29/2006 |
| Flower Color:                | Light Pink |
| Flower Type:                 | Cluster |
| Flower Effect:               | Excellent |
| % of Flower Coverage:        | 85-100% |
| Bloom Stage:                 | Flowers open |
| Fruit Present:               |     |
| Comments on Flowers:         | This plant is extremely showy when flowering. |

| Fall Color or Fruit:         | Fall color |
| Aesthetics:                  | Good |
| Fall Color:                  | dark red, purple, orange |
| Date of observation:         | 9/23/2005 |
| Persistance:                 | 2-4 weeks |
Scientific Name: Kolkwitzia amabilis  
Cultivar:  Pink Cloud  
Family: Caprifoliaceae  
Common Name: Pink Cloud Beauty Bush  
Source: Carlton Plants  
Quantity observed: 2  
PI #: 

Tsnum: 04006

Scientific Name: Kolkwitzia amabilis  
Cultivar:  Pink Cloud  
Family: Caprifoliaceae  
Common Name: Pink Cloud Beauty Bush  
Source: Carlton Plants  
Quantity observed: 2  
PI #: 

Observation Date of Plant: 10/1/2012
Plant Habit: Irregular, upright
Plant Height: 5-7 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 16-24 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 5/29/2006
Flower Color: Light Pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-60%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Should have more flowers as it becomes better established.

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:
**Scientific Name:** Larix decidua

**Cultivar:** -0-

**Family:** Pinaceae

**Common Name:** European Larch

**Source:** Fort Collins Nursery

**Quantity observed:** 3

**Plant Habit:** Pyramidal

**Plant Height:** 25-40 ft.

**Plant Width:** 20-25 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Light green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen

**Observation Date of Plant:** 9/27/2012

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Needles have a very soft texture. Winter appearance isn't very attractive after needles fall off but looks great in spring when bright green needles emerge.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Scientific Name: Larix kaempferi
Variety: -0-
Cultivar: -0-  Family: Pinaceae
Common Name: Japaneese Larix
Source: Washington Park Arboretum  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 9/27/2012
Plant Habit: Narrow, pyramidal
Plant Height: 19-23 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No
Comments on plant: Canopy is a too thin to look good. Looks very leggy. May be a little too crowded by nearby trees.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  Date of observation:
Aesthetics:  Persistance:
Fall Color:
### Scientific Name: Larix kaempferi
**Variety:**
**Tsnum:** 09135

**Cultivar:** Diana  
**Family:** Pinaceae

**Common Name:** Diana Japanese Larch

**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 7/15/2011

**Plant Habit:** Upright, irregular

**Plant Height:** 7-8 ft.

**Plant Width:** 4-5 ft.

**Current Seasons Growth:** 5-8 in.

**Foliage Color:** Light green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Specimen

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** Planted in 2009. Twisted branches add considerable interest. Some chlorosis on all tips and a few have dieback from unknown cause.

---

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Larix sibirica  
**Family:** Pinaceae  
**Variety:** -0-  
**Tsunm:** 80115  
**Common Name:** Siberian Larch  
**Source:** USDA, Glendale, MD  
**Quantity observed:** 1  
**PI #:** PI262713

**Observation Date of Plant:** 9/27/2012  
**Plant Habit:** Pyramidal  
**Plant Height:** 18-22 ft.  
**Plant Width:** 15-20 ft  
**Current Seasons Growth:** 6-8 in.

**Foliage Color:** Light green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Canopy is a little too open/thin to rate as good.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/6/2008  
**Aesthetics:** Excellent  
**Persistance:** 1-2 weeks  
**Fall Color:** Bright yellow
**Scientific Name:** Ligustrum foliosum  
**Variety:** -0-  
**Family:** Oleaceae  
**Tnum:** 91065  
**Common Name:** Privet  
**Source:** Washington Park Arboretum  
**Quantity observed:** 2  
**PI #:** -0-

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Upright oval to round  
**Plant Height:** 6-8 ft.  
**Plant Width:** 6-9 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Most years this selection has superior fruit quantity and is very attractive.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Ligustrum amurense</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
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<tr>
<td>Common Name:</td>
<td>Golden Hillside Privet</td>
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<td>Source:</td>
<td>Jewell Nursery, Inc.</td>
<td></td>
<td></td>
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<tr>
<td>Quantity observed:</td>
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<td>PI #:</td>
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<tr>
<th>Observation Date of Plant:</th>
<th>9/26/2012</th>
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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-9 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>6-9 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-8 in.</td>
</tr>
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<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Yellow foliage on outer branches and medium green towards the inner branches.</th>
</tr>
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<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
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<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Hedge, shrub border</td>
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<table>
<thead>
<tr>
<th>Overall Plant Health:</th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests:</td>
<td></td>
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<tr>
<td>Pest Severity:</td>
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<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
<td></td>
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<tr>
<td>Cultural Problems:</td>
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<td>Nuisances:</td>
<td>Yes</td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Leaf color may be confused with chlorosis.</td>
</tr>
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<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
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<tbody>
<tr>
<td>Flower Color:</td>
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<td>Flower Type:</td>
</tr>
<tr>
<td>Flower Effect:</td>
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<tr>
<td>% of Flower Coverage:</td>
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<tr>
<td>Bloom Stage:</td>
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<td>Fruit Present:</td>
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<td>Comments on Flowers:</td>
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<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
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<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
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<tr>
<td>Fall Color:</td>
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Scientific Name: Ligustrum ibota  Variety: -0-  
Cultivar: -0- Family: Oleaceae  Tsnum: 81090  
Common Name: Privet  
Source: US Nat'l Arboretum  Quantity observed: 3  PI #: NA45241  

Observation Date of Plant: 9/27/2012  
Plant Habit: Upright oval when young  
Plant Height: 8 - 12 ft.  
Plant Width: 15-20 ft  
Current Seasons Growth: 12-18 in.  

Foliage Color: Medium green  
Bark Characteristics: Not very important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, xeriscape, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Two of three rejuvenated in 2009 and have great vigor.  

Observation Date of Flowers: 6/5/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Fair  
% of Flower Coverage: 20-40%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers: Flowers are tiny and don't add a great deal of color. Fragrant.  

Fall Color or Fruit:  Date of observation:  
Aesthetics: Persistance:  
Fall Color:
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Ligustrum obtusifolium</th>
<th><strong>Variety:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td></td>
<td><strong>Family:</strong></td>
</tr>
<tr>
<td><strong>Common Name:</strong></td>
<td>Border Privet</td>
<td><strong>Tnum:</strong></td>
</tr>
<tr>
<td><strong>Source:</strong></td>
<td>USDA/NC-7, Ames, IA</td>
<td><strong>Quantity observed:</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>PI #:</strong></td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/30/2011

**Plant Habit:** Round

**Plant Height:** 3-5 ft.

**Plant Width:** 4-5 ft.

**Current Seasons Growth:** 3-6 in

**Foliage Color:** Medium green

**Bark Characteristics:** Not very important

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Wildlife, specimen, shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in 2005. Growth habit seems a little more compact than most Ligustrums. Would probably look better with more sunlight.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Ligustrum obtusifolium  
**Variety:** -0-  
**Family:** Oleaceae  
**Tsnm:** 81091  
**Cultivar:** -0-  
**Common Name:** Privet  
**Source:** US Nat'l Arboretum  
**Quantity observed:** 3  
**PI #:** NA45039

**Observation Date of Plant:** 9/27/2012  
**Plant Habit:** broad oval  
**Plant Height:** 8 - 11 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 12-24 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen, xeriscape, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Two of three were rejuvenated in 2009.

**Observation Date of Flowers:** 6/5/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 40-60%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Flowers are tiny and don't add a great deal of color. Fragrant.

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/1/2006  
**Aesthetics:** Fair  
**Persistance:** 1-2 weeks  
**Fall Color:** Yellow
| **Scientific Name:** Ligustrum obtusifolium | **Variety:** -0- |
| **Cultivar:** -0- | **Family:** Oleaceae |
| **Common Name:** Border Privet | **Tnnum:** 90055 |
| **Source:** USDA/NC-7, Ames, IA | **Quantity observed:** 1 |
| **PI #:** pi477010 |

**Observation Date of Plant:** 9/30/2011

**Plant Habit:** Broad oval

**Plant Height:** 4 - 6 ft.

**Plant Width:** 6-10 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistence:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Ligustrum vulgare</th>
<th>Variety:</th>
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</thead>
<tbody>
<tr>
<td>Cultivar: Lodense</td>
<td>Family: Oleaceae</td>
</tr>
<tr>
<td>Common Name: Lodense Privet</td>
<td>Tsum: 06019</td>
</tr>
<tr>
<td>Source: Carlton Plants</td>
<td>Quantity observed: 1</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant: 9/27/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit: Round</td>
</tr>
<tr>
<td>Plant Height: 3-5 ft.</td>
</tr>
<tr>
<td>Plant Width: 4-6 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth: 10-15 in.</td>
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</table>

<table>
<thead>
<tr>
<th>Foliage Color: Dark green</th>
</tr>
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<tbody>
<tr>
<td>Bark Characteristics: Not very important</td>
</tr>
<tr>
<td>Plant Summer Texture: Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality: Good</td>
</tr>
<tr>
<td>Landscape Uses: Wildlife, specimen, shrub border</td>
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<table>
<thead>
<tr>
<th>Overall Plant Health: Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests:</td>
</tr>
<tr>
<td>Pest Severity:</td>
</tr>
<tr>
<td>Plant Disease:</td>
</tr>
<tr>
<td>Disease Severity:</td>
</tr>
<tr>
<td>Cultural Problems:</td>
</tr>
<tr>
<td>Nuisances: Yes</td>
</tr>
<tr>
<td>Recommended: Yes</td>
</tr>
<tr>
<td>Comments on plant: Very attractive growth habit and foliage.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Color:</td>
</tr>
<tr>
<td>Flower Type:</td>
</tr>
<tr>
<td>Flower Effect:</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
</tr>
<tr>
<td>Bloom Stage:</td>
</tr>
<tr>
<td>Fruit Present:</td>
</tr>
<tr>
<td>Comments on Flowers:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
</tr>
<tr>
<td>Fall Color:</td>
</tr>
<tr>
<td>Date of observation:</td>
</tr>
<tr>
<td>Persistance:</td>
</tr>
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</table>
Scientific Name: Ligustrum x vicaryi
Cultivar: Golden Vicary Privet
Common Name: Golden Vicary Privet
Source: Carlton Plants
Quantity observed: 2

Observation Date of Plant: 9/26/2012
Plant Height: 4-5 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2009. Tips of stem are a light yellow/green hence the 'golden' part of the name.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
**2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center**  
*Colorado State University, Fort Collins, Colorado*

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Liriodendron tulipifera</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>JFA-Oz</td>
<td>Family:</td>
<td>Magnoliaceae</td>
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<tr>
<td>Common Name:</td>
<td>Emerald City Tuliptree</td>
<td></td>
<td></td>
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<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed:</td>
<td>2</td>
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</table>

**Observation Date of Plant:** 8/16/2011  
**Plant Habit:** Young, undefined  
**Plant Height:** 5-7 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shade tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  

**Date of observation:**  
**Persistance:**  

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*Page 571 of 1130*
### Scientific Name:** Lonicera alpigena**  
**Variety:**  
**Cultivar:** 24598  
**Family:** Caprifoliaceae  
**Tsum:** 03027

### Common Name** Alpine Honeysuckle  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 2  
**PI #:** 24598

### Observation Date of Plant:  
10/8/2012

### Plant Habit:  
Round

### Plant Height:  
3-4.5 ft.

### Plant Width:  
4-6 ft.

### Current Seasons Growth:  
6-10 in.

### Foliage Color:  
Medium to dark green

### Bark Characteristics:  
Unimportant

### Plant Summer Texture:  
Medium

### Aesthetic Plant Quality:  
Good

### Landscape Uses:  
Specimen, shrub border

### Overall Plant Health:  
Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended:  
Yes

### Comments on plant:
Planted in arboretum in 2003. Fruit looks very similar to a pie cherry but half as big. It is an interesting feature but is often hiding under foliage so not too showy. Attractive growth habit - more compact than most Lonicera.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Date of observation:

### Aesthetics:

### Persistance:

### Fall Color:
**Scientific Name:** Lonicera alpigena  
**Variety:** -0-  
**Cultivar:** Nana  
**Family:** Caprifoliaceae  
**Tnum:** 85099  
**Common Name:** Dwarf Alps Honeysuckle  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Broad oval  
**Plant Height:** 4 - 6 ft.  
**Plant Width:** 6 - 10 ft  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Rejuvenated in 2011 and would look better with more sunlight.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Lonicera claveyi</th>
<th>Variety:</th>
<th>nana</th>
<th>Tsnum:</th>
<th>86158</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Miniglobe</td>
<td>Family:</td>
<td>Caprifoliaceae</td>
<td>Quantity observed:</td>
<td>3</td>
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<tr>
<td>Common Name:</td>
<td>Miniglobe Clavey's Honeysuckle</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Round to broad oval  
**Plant Height:** 4-6 ft.  
**Plant Width:** 5-8 ft.  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Medium blue/green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Hedge, specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Nice dense growth habit is very attractive. Plants that are in almost full shade have low vigor and are smaller. Would probably look better with more sunlight.

**Observation Date of Flowers:** 5/26/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 20-30%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Few flowers - not very showy.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Lonicera fragrantissima

**Family:** Caprifoliaceae

**Tnum:** 95004

**Cultivar:**

**Common Name:** Winter Honeysuckle

**Source:** Sherman Nursery

**Quantity observed:** 1

**Observation Date of Plant:** 10/8/2012

**Plant Habit:** Arching

**Plant Height:** 3-5 ft.

**Plant Width:** 4-8 ft.

**Current Seasons Growth:** 12-18 in

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in 2002. Canopy still looks a little thin and leggy - may do better in a sunnier site.

**Observation Date of Flowers:** 3/27/2012

**Flower Color:** white

**Flower Type:** Cluster

**Flower Effect:** Poor

**% of Flower Coverage:** 20-30%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Very nice fragrance but very few.

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Lonicera hybrid</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
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<td>Family:</td>
<td>Caprifoliaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Honeysuckle</td>
<td>Tsum:</td>
<td>93120</td>
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<tr>
<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PI #:</td>
<td>20062</td>
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</tbody>
</table>

**Observation Date of Plant:** 10/8/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 8-12 ft.  
**Plant Width:** 12-18 ft.  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to poor  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair to poor  
**Insect Pests:** Aphids  
**Pest Severity:** Severe injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Growth habit is leggy but may look better in full sun.

**Observation Date of Flowers:** 5/2/2006  
**Flower Color:** Red  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 85-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**  

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The plant evaluated is

**Scientific Name:** Lonicera involucrata  
**Cultivar:** Flavescens  
**Family:** Caprifoliaceae  
**Common Name:** Twinberry  
**Source:** Blardy Experiment Farm  
**Quantity observed:** 1  
**TSnum:** 83023

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Round to broad oval  
**Plant Height:** 9-12 ft.  
**Plant Width:** 12-18 ft.  
**Current Seasons Growth:** 8-12 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Hedge, specimen, shrub border  
**Overall Plant Health:** Fair  
**Insect Pests:** Aphids  
**Pest Severity:** Moderate injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Aphids casing witch's broom decreasing appearance. A little crowded and difficult to determine true growth habit.

**Observation Date of Flowers:** 5/19/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 80-95%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Scientific Name: Lonicera korolkowii
Cultivar: Floribunda
Family: Caprifoliaceae
Common Name: Blueleaf Honeysuckle
Source: USDA, Cheyenne

Quantity observed: 3

PI #: -0-

Tsun: 81316

Observation Date of Plant: 10/8/2012
Plant Habit: Arching
Plant Height: 8-10 ft.
Plant Width: 12-15 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Great leaf color. Two of three rejuvenated in 2007 but slow to regain form probably due to increased shade since original planting.

Observation Date of Flowers: 5/26/2006
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 75-85%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Lonicera korolkowii floribunda</th>
<th>Variety:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Blue Velvet</td>
<td>Family:</td>
<td>Caprifoliaceae</td>
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<tr>
<td>Common Name:</td>
<td>Blue Velvet Honeysuckle</td>
<td>Tnum:</td>
<td>97261</td>
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<tr>
<td>Source:</td>
<td>Fort Collins Nursery</td>
<td>Quantity observed:</td>
<td>4</td>
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<table>
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<tr>
<th>Observation Date of Plant:</th>
<th>10/9/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>7-10 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>10-14 ft</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>1-3 ft.</td>
</tr>
</tbody>
</table>

| Foliage Color:            | Blue/green       |
| Bark Characteristics:     | Not very important |
| Plant Summer Texture:     | Medium           |
| Aesthetic Plant Quality:  | Good             |
| Landscape Uses:           | Specimen, xeriscape, shrub border |

| Overall Plant Health:     | Excellent        |
| Insect Pests:             |                  |
| Pest Severity:           |                  |
| Plant Disease:           |                  |
| Disease Severity:        |                  |
| Cultural Problems:       |                  |
| Nuisances:               |                  |
| Recommended:             | Yes              |
| Comments on plant:       | Looks leggy when young but has great leaf color. |

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>5/26/2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Color:</td>
<td>Lt. Pink</td>
</tr>
<tr>
<td>Flower Type:</td>
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<tr>
<td>Flower Effect:</td>
<td>Excellent</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
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<td>Bloom Stage:</td>
<td>Flowers open</td>
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<td>Fruit Present:</td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td></td>
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</table>

| Fall Color or Fruit:        | Date of observation: |
| Aesthetics:                 | Persistance:         |
| Fall Color:                 |                        |
**Scientific Name:** Lonicera maacki podocarpa  
**Cultivar:** Rem Red  
**Family:** Caprifoliaceae  
**Tnum:** 95017  
**Common Name:** Rem Red Honeysuckle  
**Source:** Forrest Keeling Nursery  
**Quantity observed:** 2  
**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Broad oval, arching  
**Plant Height:** 10-15 ft.  
**Plant Width:** 20-28 ft.  
**Current Seasons Growth:** 24-36 in.  
**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  
**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Foliage and fruit still looks fresh and green late in year.

**Observation Date of Flowers:** 5/26/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  
**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  

**Date of observation:**  
**Persistance:**
### Lonicera maackii

**Family:** Caprifoliaceae  
**Variety:** -0-  
**TSnum:** 90056  
**PI #:** pis77998

**Scientific Name:** Lonicera maackii  
**Common Name:** Amur Honeysuckle

- **Observation Date of Plant:** 10/8/2012
- **Plant Habit:** Broad oval
- **Plant Height:** 7-10 ft.
- **Plant Width:** 15-20 ft.
- **Current Seasons Growth:** 10-15 in.
- **Foliage Color:** Medium green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Fair
- **Landscape Uses:** Wildlife, specimen, shrub border
- **Overall Plant Health:** Fair
- **Insect Pests:** Aphids
- **Pest Severity:** Minor injury
- **Plant Disease:** Leaf spot
- **Disease Severity:** Minor injury
- **Cultural Problems:**
- **Nuisances:** Yes
- **Recommended:** Yes
- **Comments on plant:** One of the best Lonicera for attractive fruit.

### Observation Date of Flowers:
- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**
- **Comments on Flowers:**

### Fall Color or Fruit:
- **Fall Color:**
- **Date of observation:**
- **Aesthetics:**
- **Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Lonicera prolifera
Cultivar: 
Family: Caprifoliaceae
Variety: 
Tnum: 00063

Common Name: Grape Honeysuckle
Source: USDA/NC-7, Ames, IA
Quantity observed: 1

Observation Date of Plant: 9/15/2012
Plant Habit: Creeping (ground cover)
Plant Height: 5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 1 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Vine, ground cover, specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Not a lot of vigor despite a good location.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Date of observation:
Persistance:
Fall Color:
<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Lonicera reticulata</th>
<th>Variety:</th>
<th>Tsnum: 07147</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Kintzley's Ghost</td>
<td>Family:</td>
<td>Caprifoliaceae</td>
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<tr>
<td>Common Name:</td>
<td>Kintzey's Ghost Honeysuckle</td>
<td></td>
<td></td>
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<tr>
<td>Source:</td>
<td>Plant Select</td>
<td>Quantity observed: 3</td>
<td>PI #:</td>
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</tbody>
</table>

**Observation Date of Plant:** 9/28/2007  
**Plant Habit:** Vine  
**Plant Height:** 2-4 ft.  
**Plant Width:** 2-4 ft.  
**Current Seasons Growth:** 1 - 2 ft.  

**Foliage Color:** Blue/gray  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2007.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  

**Date of observation:**  
**Persistance:**

---

Page 583 of 1130
**Scientific Name:** Lonicera sempervirens  
**Variety:** -0-  
**Family:** Caprifoliaceae  
**Tnum:** 93057  

**Common Name:** Scarlet Trumpet Honeysuckle  
**Source:** Sjulin Nurseries  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 9/17/2012  
**Plant Habit:** Vine  
**Plant Height:** 4-6 ft on a f  
**Plant Width:** 10-12 ft.  
**Current Seasons Growth:** 2 - 4 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Ground cover, screen, specimen  

**Overall Plant Health:** Good  

**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  

**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:** 6/15/2012  
**Flower Color:** Bright rose/pink  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Very floriferous and showy  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
---

### Scientific Name: Lonicera tatarica

**Cultivar:** Siberica  
**Family:** Caprifoliaceae  
**Common Name:** Siberian Honeysuckle

**Source:** USDA, Mandan, ND  
**Quantity observed:** 1  
**PI #:** -0-

---

#### Observation Date of Plant:

10/9/2012

#### Plant Habit:

Broad oval

#### Plant Height:

8-12 ft.

#### Plant Width:

10-15 ft

#### Current Seasons Growth:

2-4 ft.

#### Foliage Color:

Medium green

#### Bark Characteristics:

Unimportant

#### Plant Summer Texture:

Medium

#### Aesthetic Plant Quality:

Fair

#### Landscape Uses:

Specimen, shrub border

#### Overall Plant Health:

Fair

#### Insect Pests:


#### Pest Severity:


#### Plant Disease:


#### Disease Severity:


#### Cultural Problems:


#### Nuisances:


#### Recommended:

Marginal

#### Comments on plant:

Would probably look better with more sunlight. Rejuvenated back in 2001 and may need it again. Slowly starting to colonize nearby area.

---

#### Observation Date of Flowers:

6/2/2003

#### Flower Color:

White/pink

#### Flower Type:

Cluster

#### Flower Effect:

Good

#### % of Flower Coverage:

51-75%

#### Bloom Stage:

Flowers open

#### Fruit Present:


#### Comments on Flowers:


---

#### Fall Color or Fruit:


#### Date of observation:


#### Aesthetics:


#### Persistance:


#### Fall Color:


---

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Scientific Name: Lonicera x  
Variety:  
Cultivar: Freedom  
Family: Caprifoliaceae  
Tnum: 84245  
Common Name: Freedom Honeysuckle  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 1  
PI #: -  

Observation Date of Plant: 10/9/2012  
Plant Habit: Arching  
Plant Height: 8-12 ft.  
Plant Width: 18-25 ft.  
Current Seasons Growth: 1-3 ft.  

Foliage Color: Blue/green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Wildlife, specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Foliage color is much less blue/gray than Lonicera korolkowii but still attractive. Has some leggy stems.

Observation Date of Flowers: 6/2/2003  
Flower Color: Pink  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 76-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

TSNUM: -
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Lonicera ×
Variety: Honeyrose
Tsun: 96088
Family: Caprifoliaceae
Cultivar: Honeyrose
Common Name: Honeyrose Honeysuckle
Source: Bailey Nurseries
Quantity observed: 1

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval to round
Plant Height: 2-4 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 20-30 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests: Aphids
Pest Severity: Moderate injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Rejuvenated in 2011. Some witches brooming from aphids is unattractive.

Observation Date of Flowers: 6/2/2003
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Scientific Name: Lonicera xylosteum  
Variety:  
Cultivar: Emerald Mound  
Family: Caprifoliaceae  
Tnum: 98017  
Common Name: Emerald Mound Honeysuckle  
Source: Mount Arbor Nursery  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/5/2012  
Plant Habit: Irregular to broad oval  
Plant Height: 2 - 3 ft.  
Plant Width: 5-7 ft.  
Current Seasons Growth: 4-8 in.  

Foliage Color: Dark blue/green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
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<th>Scientific Name:</th>
<th>Maackia amurensis</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td></td>
<td>Tnum:</td>
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<tr>
<td>Common Name:</td>
<td>Amur maackia</td>
<td>00066</td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
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<tr>
<td>Quantity observed:</td>
<td>2</td>
<td>PI #:</td>
</tr>
</tbody>
</table>

| Observation Date of Plant: | 10/1/2012 |
| Plant Habit:               | Upright oval to round |
| Plant Height:              | 6 - 9 ft. |
| Plant Width:               | 4-6 ft. |
| Current Seasons Growth:    | 6-12 in. |

| Foliage Color: | Medium green |
| Bark Characteristics: | Intermediate importance |
| Plant Summer Texture: | Medium |
| Aesthetic Plant Quality: | Fair |
| Landscape Uses: | Specimen |

| Overall Plant Health: | Fair |
| Insect Pests:         |      |
| Pest Severity:        |      |
| Plant Disease:        | Canker on one of two |
| Disease Severity:     | Moderate to severe injury |
| Cultural Problems:    |      |
| Nuisances:            | Marginal |

**Comments on plant:** Planted in 2003. Vandals removed about 50% of canopy in 2005 one of two trees. Has good growth increments despite large canker one of two trees.

| Observation Date of Flowers: | 6/25/2007 |
| Flower Color:                | White |
| Flower Type:                 | Cluster |
| Flower Effect:               | Fair |
| % of Flower Coverage:        | 30-40% |
| Bloom Stage:                 | Flowers open |
| Fruit Present:               |      |
| Comments on Flowers:         |      |

| Fall Color or Fruit: | Date of observation: |
| Aesthetics:          | Persistance:         |
| Fall Color:          |                         |
**Scientific Name:** Maackia amurensis  
**Variety:**  
**Cultivar:** Starburst  
**Family:** Fabaceae  
**Tnum:** 05007  
**Common Name:** Starburst Amur Maackia  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 9/11/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 8-12 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Planted in 2010. Still trying to gain vigor - canopy is a little sparse.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
### Scientific Name: Magnolia acuminata  
**Variety:**  
**Tsun:** 04197  
**Cultivar:**  
**Family:** Magnoliaceae  
**Common Name:** Cucumbertree Magnolia  
**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**PI #:**

#### Observation Date of Plant: 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 10-15 ft.  
**Plant Width:** 6-8 ft.  
**Current Seasons Growth:** 6-8 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen  
**Overall Plant Health:** Good

**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Planted in 2005. Large, attractive foliage.

#### Observation Date of Flowers:

**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**

---

Page 591 of 1130
### Scientific Name: Magnolia liliflora x stellata
### Variety: 
### Cultivar: Susan
### Family: Magnoliaceae
### Tnum: 05012
### Common Name: Susan Magnolia
### Source: J. Frank Schmidt and Son Co
### Quantity observed: 1

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>8/25/2011</th>
</tr>
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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>4-5 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>2-3 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>1-3 in.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
</tr>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Coarse</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair</td>
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<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
</tr>
</tbody>
</table>

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:** Located in difficult area to irrigate at edge of arboretum.

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in 2005. Entire plant is moderately chlorotic with some brown edges due to inadequate irrigation at edge of arboretum but looked good in spring with early rain.

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>5/2/2006</th>
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<tbody>
<tr>
<td>Flower Color:</td>
<td>Mostly purple with shades of white on inner petals.</td>
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<tr>
<td>Flower Type:</td>
<td>Single</td>
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<tr>
<td>Flower Effect:</td>
<td>Fair</td>
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<tr>
<td>% of Flower Coverage:</td>
<td>10-20%</td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
</tr>
</tbody>
</table>

**Comments on Flowers:** Plant still trying to get established after planting.

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
### Scientific Name: **Magnolia soulangiana**  
**Variety:** -0-  
**Cultivar:** Alexandria  
**Family:** Magnoliaceae  
**Tsnum:** 80040  
**Common Name:** Alexandria Saucer Magnolia  
**Source:** Brigg's Nursery Inc.  
**Quantity observed:** 1  
**PI #:** -0-  

### Observation Date of Plant: 8/25/2011  
### Plant Habit: Upright oval to round  
### Plant Height: 10-14 ft.  
### Plant Width: 15-18 ft.  
### Current Seasons Growth: 1-2 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Poor to fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Located in difficult area to irrigate at edge of arboretum.  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Entire plant is very chlorotic with low vigor.  

### Observation Date of Flowers: 4/14/2006  
### Flower Color: White/Purple  
### Flower Type: Single  
### Flower Effect: Excellent  
### % of Flower Coverage: 60-80%  
### Bloom Stage: Flowers open  
### Fruit Present:  
### Comments on Flowers: Flowering even on lower areas of the plant. Seems to open 5-7 days earlier than M. 'Galaxy'  

### Fall Color or Fruit:  
### Aesthetics:  
### Fall Color:
Scientific Name: Magnolia stellata  Variety:  
Cultivar: Water Lily  Family: Magnoliaceae  Tnum: 04016  
Common Name: Water Lily Star Magnolia  
Source: Forrest Keeling Nursery  Quantity observed: 1  PI #: 

Observation Date of Plant: 8/25/2011  
Plant Habit: Upright oval  
Plant Height: 2-4 ft.  
Plant Width: 2-4 ft.  
Current Seasons Growth: 1-3 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Planted in 2005. Vigor may improve if it wasn't at edge of arboretum where the irrigation is more difficult to get good uniformity.  

Observation Date of Flowers: 5/2/2006  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage: n/a  
Fruit Present:  
Comments on Flowers: No flowering - recently planted.  

Fall Color or Fruit: Date of observation:  
Aesthetics: Persistance:  
Fall Color:
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<th>Scientific Name: Magnolia x</th>
<th>Variety:</th>
</tr>
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<tbody>
<tr>
<td>Cultivar: Ann</td>
<td>Family: Magnoliaceae</td>
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<tr>
<td>Common Name: Ann Magnolia</td>
<td>Tnum: 08044</td>
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<td>Source: Bailey Nurseries</td>
<td>Quantity observed: 2</td>
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**Observation Date of Plant:** 8/25/2011  
**Plant Habit:** Upright oval to round  
**Plant Height:** 2-4 ft.  
**Plant Width:** 3-4.5 ft.  
**Current Seasons Growth:** 2-3 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good to fair  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Both plants in difficult area to irrigate at edge of arboretum.

**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2009. Vigor would probably improve with more irrigation.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
**Scientific Name:** Magnolia x

**Variety:** -0-

**Cultivar:** Galaxy  
**Family:** Magnoliaceae  
**Tsunm:** 83010

**Common Name:** Galaxy Magnolia  
**Source:** US Nat'l Arboretum

**Quantity observed:** 1  
**PI #:** NA28352-14

**Observation Date of Plant:** 8/25/2011

**Plant Habit:** Upright oval

**Plant Height:** 12-18 ft.  
**Plant Width:** 15-20 ft.

**Current Seasons Growth:** 5-10 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes

**Comments on plant:** Snow load has deformed one large stem - about 20% of canopy.

---

**Observation Date of Flowers:** 4/14/2006

**Flower Color:** White on upper side/Purple on lower side of petal

**Flower Type:** Single

**Flower Effect:** Good

**% of Flower Coverage:** 50-60%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

---

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/6/2008

**Aesthetics:** fair  
**Persistance:** 1-2 weeks

**Fall Color:** Yellow
**Scientific Name:** Mahonia haematocarpa  
**Variety:**  
**Cultivar:**  
**Family:** Berberidaceae  
**Tsun:** 97246  
**Common Name:** Mahonia  
**Source:** Fort Collins Nursery  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 10/21/2011  
**Plant Habit:** Upright to irregular  
**Plant Height:** 4-5 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 2-3 ft.  

**Foliage Color:** Blue/green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, barrier, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Rejuvenated in 2009. Nice foliage color and foliage shape but also has very sharp tips which can be annoying. Growth habit is a little leggy.  

**Observation Date of Flowers:**  
**Flower Color:** Yellow  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 60-70%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Flowering date lost due to software problem.  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Malus</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Guenevere</td>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Guenevere Crabapple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quantity observed:</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PI #:</td>
<td>-0-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>8/17/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>7-10 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>10-15 ft</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>3-6 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Intermediate importance</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair to good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Wildlife, specimen, small/confined areas</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall Plant Health:</th>
<th>Fair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests:</td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Slight chlorosis throughout both trees</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>4/29/2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Color:</td>
<td>White/Pink</td>
</tr>
<tr>
<td>Flower Type:</td>
<td>Cluster</td>
</tr>
<tr>
<td>Flower Effect:</td>
<td>Excellent</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
<td>90-100%</td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td>Red buds are striking combined with white flowers.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Fall color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Good</td>
</tr>
<tr>
<td>Fall Color:</td>
<td>Orange/yellow with a hint of red</td>
</tr>
<tr>
<td>Date of observation:</td>
<td>10/20/2009</td>
</tr>
<tr>
<td>Persistance:</td>
<td>1-2 weeks</td>
</tr>
</tbody>
</table>
### Pink Spires Crabapple

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Malus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Pink Spires</td>
</tr>
<tr>
<td>Variety:</td>
<td></td>
</tr>
<tr>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Tnum:</td>
<td>09046</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Pink Spires Crabapple</td>
</tr>
<tr>
<td>Source:</td>
<td>Carlton Plants</td>
</tr>
<tr>
<td>Quantity observed:</td>
<td>1</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 8/16/2011

**Plant Habit:** Young, undefined

**Plant Height:** 5-6 ft.

**Plant Width:** 3-5 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green with red veins and petioles

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Wildlife, specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** n/a

**Recommended:** n/a

**Comments on plant:** Planted in 2011. Too soon to recommend.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
### Malus sargentii

**Family:** Rosaceae  
**Common Name:** May's Delight Flowering Crab  
**Source:** Femrite Nursery Company  
**Quantity observed:** 2  
**PI #:**

- **Scientific Name:** Malus sargentii  
- **Variety:**  
- **Tsum:** 07024

**Observation Date of Plant:** 8/11/2011  
**Plant Habit:** Undefined  
**Plant Height:** 7-9 ft  
**Plant Width:** 5-8 ft  
**Current Seasons Growth:** 12-18 in.

- **Foliage Color:** Medium green  
- **Bark Characteristics:** Intermediate importance  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Good  
- **Landscape Uses:** Wildlife, specimen, small/confined areas

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2009. Has moderate suckering.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

- **Fall Color or Fruit:**
- **Aesthetics:**
- **Fall Color:**

**Date of observation:**

---

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Scientific Name: Malus sargentii
Cultivar: Select A
Family: Rosaceae
Tnum: 00159

Common Name: Firebird Crabapple
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 7/25/2011
Plant Habit: Round
Plant Height: 6-8 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: No
Recommended: No
Comments on plant: Planted in 2004. Entire tree is moderately chlorotic despite good growth increments.

Observation Date of Flowers: 5/5/2006
Flower Color: Pink buds, white flowers
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-100%
Bloom Stage: Flowers open
Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Golden yellow
Date of observation: 10/20/2009
Persistance: 1-2 weeks
<table>
<thead>
<tr>
<th>Scientific Name: Malus sp.</th>
<th>Variety:</th>
<th>Tsnum: 94047</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Makamik</td>
<td>Family: Rosaceae</td>
<td></td>
</tr>
<tr>
<td>Common Name: Makamik Crabapple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source: Bailey Nurseries</td>
<td>Quantity observed: 1</td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 8/22/2011

**Plant Habit:** Upright oval

**Plant Height:** 9-12 ft.

**Plant Width:** 8-12 ft

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** No suckering.

**Recommended:** Yes

**Comments on plant:** Medium sized fruit (1/2 - 3/4”).

**Observation Date of Flowers:** 4/22/2006

**Flower Color:** Pink

**Flower Type:** Cluster

**Flower Effect:** Excellent

**% of Flower Coverage:** 80-100%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**

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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Malus species</th>
<th>Variety: -0-</th>
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</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Tsnm: 78020</td>
</tr>
<tr>
<td>Family:</td>
<td>Rosaceae</td>
<td></td>
</tr>
<tr>
<td>Common Name:</td>
<td>Crabapple</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Lincoln Oaks Nurseries</td>
<td>Quantity observed: 2</td>
</tr>
</tbody>
</table>

Observation Date of Plant: 7/25/2011

Plant Habit: Round to broad oval
Plant Height: 15 - 22 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes
Comments on plant: 

Observation Date of Flowers: 4/22/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 80-100%
Bloom Stage: Flowers open

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: yellow

Date of observation: 10/9/2003
Persistace: 1-2 weeks
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Malus x Variety: -0-
Cultivar: American Beauty Family: Rosaceae Tsnum: 82119
Common Name: American Beauty Flowering Crabapple
Source: Mount Arbor Nursery Quantity observed: 4 PI #: -0-

Observation Date of Plant: 8/11/2011
Plant Habit: Vase to broad oval
Plant Height: 15-20 ft.
Plant Width: 20-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Needs above average pruning to avoid major branch crossing. Has light to moderate suckering.

Observation Date of Flowers: 4/24/2006
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Fruit Present: no
Comments on Flowers:

Fall Color or Fruit: Fall color Date of observation: 10/9/2003
Aesthetics: Good Persistance: 1-2 weeks
Fall Color: golden yellow
Scientific Name: Malus x
Cultivar: Brandywine
Family: Rosaceae
Common Name: Brandywine Flowering Crabapple
Source: J. Frank Schmidt and Son Co

Variety: -0-
Tsunum: 83138

Quantity observed: 2
PI #: -0-

Observation Date of Plant: 8/22/2011
Plant Habit: Broad oval to round
Plant Height: 15-20 ft.
Plant Width: 25-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Moderate to heavy suckering.
Recommended: Yes
Comments on plant: Flowers can be spectacular but fruit is large (1.5") and can make a mess in the Fall.

Observation Date of Flowers: 4/29/2006
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Very spectacular this year. Nice double petals - buds appear as large pink marbles.

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: red, orange
Date of observation: 10/15/2009
Persistace: 1-2 weeks

Fall Color: red, orange
Date of observation: 10/15/2009
Persistace: 1-2 weeks
Scientific Name: Malus x
Cultivar: Canary
Family: Rosaceae
Variety: Tsnum: 02078
Common Name: Canary Crabapple
Source: Bailey Nurseries
Quantity observed: 1

Observation Date of Plant: 8/11/2011
Plant Habit: Young, undefined
Plant Height: 7-9 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 20-30 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2009.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Date of observation:
Persistance:
Fall Color:
**Scientific Name:** Malus x  
**Cultivar:** Centurion  
**Family:** Rosaceae  
**Common Name:** Centurion Flowering Crabapple  
**Source:** A. McGill & Son Nursery  
**Variety:** -0-  
**Tnum:** 87102  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 8/11/2011  
**Plant Habit:** Round  
**Plant Height:** 10-15 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 1-4 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Wildlife, specimen  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Two trees had mild to moderate chlorosis and all have low vigor.

**Observation Date of Flowers:** 4/29/2006  
**Flower Color:** Lt. Pink  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
**Scientific Name:** Malus x  
**Cultivar:** Cinzam  
**Family:** Rosaceae  
**Variety:**  
**Tnum:** 02009  
**Common Name:** Cinderella Dwar Crabapple  
**Source:** Femrite Nursery Company  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 8/22/2011  
**Plant Habit:** Round, dwarf  
**Plant Height:** 4-5 ft.  
**Plant Width:** 1-2 ft.  
**Current Seasons Growth:** 1 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to poor  
**Landscape Uses:** Wildlife, specimen, confined areas

**Overall Plant Health:** Fair  
**Insect Pests:** none  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Moderate amount of chlorosis throughout canopy. Has a large area of damaged trunk from unknown cause.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistence:**  

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Scientific Name: Malus x
Cultivar: Coralburst  
Family: Rosaceae
Common Name: Coralburst Flowering Crabapple
Source: Cole Nursery

Scientific Name: Malus x  
Variety: -0-
Tnum: 78086

Observation Date of Plant: 8/22/2011
Plant Habit: Broad oval, multistem
Plant Height: 9-12 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: No suckering
Recommended: Yes
Comments on plant: Nice uniform canopy shape. Slight chlorosis on 5-10% of canopy.

Observation Date of Flowers: 4/26/2006
Flower Color: White/Red
Flower Type: Cluster
Flower Effect: Poor
% of Flower Coverage: 10-15%
Bloom Stage: Flowers open
Fruit Present: 
Comments on Flowers: White on inside of petal, red on outside. Seems to be flowering mostly in alternate years.

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: Persistance:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Malus x
Cultivar: Flame
Family: Rosaceae
Variety: -0-
Tsnm: 83147
Common Name: Flame Flowering Crabapple
Source: Jewell Nursery, Inc.
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 7/26/2011
Plant Habit: Broad oval
Plant Height: 12-18 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, areas of overhead restrictions

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: May have a wider growth habit if it had more space.

Observation Date of Flowers: 4/22/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Pink blush to bud.

Fall Color or Fruit: Date of observation:
Aesthetics: Persistence:
Fall Color:
**Scientific Name:** Malus x  
**Cultivar:** Inglis  
**Family:** Rosaceae  
**Common Name:** Inglis Flowering Crabapple  
**Source:** Unknown  
**Quantity observed:** 1  
**Tsun:** 78090  
**PI #:** -0-

**Observation Date of Plant:** 8/22/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 12-18 ft.  
**Plant Width:** 25-35 ft.  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Chlorosis on about 15% of canopy with some branch death. May need more irrigation.

**Observation Date of Flowers:** 4/29/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Malus x Variety: -0-
Cultivar: Liset Family: Rosaceae Tsnum: 90028
Common Name: Liset Crab Source: J. Frank Schmidt and Son Co Quantity observed: 2 PI #: -0-
Observation Date of Plant: 8/17/2011
Plant Habit: Broad oval
Plant Height: 10 - 12 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6 - 12 in.
Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Slight suckering.
Recommended: No
Comments on plant: Dark red fruit with white haze obscuring color. Canopy is a little thin with severe chlorosis on many tips of one tree. Second tree has moderate chlorosis.

Observation Date of Flowers: 4/29/2006
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color:
Scientific Name: Malus x  
Cultivar: Lollizam  
Family: Rosaceae  
Variety:  
Tsnm: 98029  

Common Name: Lollipop Crabapple  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  

Observation Date of Plant: 8/22/2011  
Plant Habit: Undefined  
Plant Height: 5-6 ft.  
Plant Width: 4-5 ft.  
Current Seasons Growth: 1-3 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to poor  
Landscape Uses: Wildlife, specimen, small/confined areas  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity: May need more irrigation.  
Cultural Problems: No suckering  
Nuisances: Marginal  
Recommended:  
Comments on plant: Low vigor may be related to lower irrigation at edge of arboretum. Planted in 2004. Water sprouts from rootstock are vigorous and need to be removed. 50% of canopy is chlorotic.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  

Date of observation:  
Persistance:  

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**Scientific Name:** Malus x  
**Cultivar:** Pink Satin Crabapple  
**Family:** Rosaceae  
**Common Name:** Pink Satin Crabapple  
**Source:** Bailey Nurseries  
**Tnum:** 02083  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 8/16/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 8-10 ft.  
**Plant Width:** 15-18 ft.  
**Current Seasons Growth:** 6-12 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen  
**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on Plant:** Planted in arboretum in 2003.

**Observation Date of Flowers:** 4/29/2006  
**Flower Color:** Lt. Pink  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 90-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Malus x</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Prairie Fire</td>
<td>Family: Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Prairie Fire Crabapple</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Carlton Plants</td>
<td></td>
</tr>
<tr>
<td>Quantity observed:</td>
<td>1</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>8/16/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>4-5 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>8-12 in.</td>
</tr>
</tbody>
</table>

| Foliage Color: | Medium green with dark red veins and petiole. |
| Bark Characteristics: | Intermediate importance |
| Plant Summer Texture: | Medium |
| Aesthetic Plant Quality: | Good |
| Landscape Uses: | Wildlife, specimen |

| Overall Plant Health: | Good |
| Insect Pests:         | |
| Pest Severity:        | |
| Plant Disease:        | |
| Disease Severity:     | |
| Cultural Problems:    | |
| Nuisances:            | n/a |
| Recommended:          | n/a |

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>Flower Color:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Type:</td>
<td></td>
</tr>
<tr>
<td>Flower Effect:</td>
<td></td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
<td></td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td></td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
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</tbody>
</table>
## Malus x "Prairie Maid"

### Scientific Name: Malus x Cultivar: Prairie Maid

#### Variety: family: Rosaceae

- **Source:** Bailey Nurseries
- **Quantity observed:** 2
- **Tsnum:** 02080
- **PI #:**

### Observation Date of Plant: 7/25/2011

- **Plant Habit:** Irregular to broad oval
- **Plant Height:** 7-10 ft.
- **Plant Width:** 10-15 ft.
- **Current Seasons Growth:** 12-24 in.

- **Foliage Color:** Medium green
- **Bark Characteristics:** Intermediate importance
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Wildlife, specimen

- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:**
- **Recommended:** Yes

#### Comments on plant: Planted in arboretum in 2004. Moderate suckering. Growth and vigor are not uniform. Fruit turns red fairly quick compared to older cultivars.

### Observation Date of Flowers: 5/3/2006

- **Flower Color:** Dark Pink
- **Flower Type:** Cluster
- **Flower Effect:** Fair
- **% of Flower Coverage:** 30-50%
- **Bloom Stage:** Flowers open

#### Comments on Flowers: Flowering may improve as the tree becomes further established - just planted within the last two years.

### Fall Color or Fruit: Fall color

- **Date of observation:** 10/25/2009
- **Aesthetics:** good
- **Persistance:** 1-2 weeks
- **Fall Color:** Yellow/orange

### Fall Color:

---

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<table>
<thead>
<tr>
<th>Scientific Name: Malus x</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Red Barron</td>
<td>Family: Rosaceae</td>
</tr>
<tr>
<td>Common Name: Red Barron Crabapple</td>
<td>Tnum: 09079</td>
</tr>
<tr>
<td>Source: Carlton Plants</td>
<td>Quantity observed: 1</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 8/16/2011

**Plant Habit:** Upright oval

**Plant Height:** 6-8 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 6-8 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Wildlife, specimen, small areas

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** n/a

**Recommended:** n/a

**Comments on plant:** Planted in 2011. Too soon to recommend but is establishing without any significant problems.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Malus x</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Red Jewell</td>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Red Jewell Flowering Crabapple</td>
<td>Tsnm:</td>
<td>78089</td>
</tr>
<tr>
<td>Source:</td>
<td>Cole Nursery</td>
<td>Quantity observed:</td>
<td>2</td>
</tr>
<tr>
<td>PI #:</td>
<td>-0-</td>
<td></td>
<td></td>
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</table>

**Observation Date of Plant:** 8/22/2011

**Plant Habit:** Round to broad oval

**Plant Height:** 15-18 ft.

**Plant Width:** 20-25 ft.

**Current Seasons Growth:** 4-6 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, small/confined areas

**Overall Plant Health:** Fair to good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Moderate to profuse suckering.

**Recommended:** Marginal

**Comments on plant:** Slight to moderate chlorosis on both trees.

**Observation Date of Flowers:** 4/24/2006

**Flower Color:** White

**Flower Type:** Cluster

**Flower Effect:** Good to fair

**% of Flower Coverage:** 50-70%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color

**Aesthetics:** Poor

**Fall Color:** Yellow, brown

**Date of observation:** 10/20/2009

**Persistance:** 1-2 weeks
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Malus x  
**Cultivar:** Red Silver  
**Family:** Rosaceae  
**Common Name:** Red Silver Flowering Crabapple  
**Source:** Jewell Nursery, Inc.  
**Quantity observed:** 2  
**Tsum:** 82095  
**Variety:** -0-  
**PI #:** -0-

**Observation Date of Plant:** 8/17/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 14-18 ft.  
**Plant Width:** 20-30 ft.  
**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Dark green, shades of red  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Fire blight  
**Disease Severity:** Very slight  
**Cultural Problems:**  
**Nuisances:** Slight suckering.  
**Recommended:** Yes  
**Comments on plant:** Foliage is dark green with a dark red blush.

**Observation Date of Flowers:** 4/24/2006  
**Flower Color:** Dark Pink  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 90-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/9/2003  
**Aesthetics:** Good  
**Persistence:** 1-2 weeks  
**Fall Color:** deep red, orange, purple
### Malus x -0- Variety: Royal Red Cultivar: Rosaceae Family: Royal Red Flowering Crabapple Common Name: Cole Nursery Source: Quantity observed: 1 PI #: 78088

<table>
<thead>
<tr>
<th>Observation Date of Plant: 8/22/2011</th>
<th>Plant Habit: Round to broad oval</th>
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</thead>
<tbody>
<tr>
<td>Current Seasons Growth: 1-2 in.</td>
<td>Foliage Color: Medium green</td>
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<tr>
<td>Bark Characteristics: Intermediate importance</td>
<td>Plant Summer Texture: Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality: Poor</td>
<td>Landscape Uses: Specimen, small/confined areas</td>
</tr>
<tr>
<td>Overall Plant Health: Poor</td>
<td>Insect Pests:</td>
</tr>
<tr>
<td>Pest Severity:</td>
<td>Pest Severity:</td>
</tr>
<tr>
<td>Plant Disease:</td>
<td>Disease Severity:</td>
</tr>
<tr>
<td>Disease Severity:</td>
<td>Cultural Problems:</td>
</tr>
<tr>
<td>Recommended: No</td>
<td>Comments on plant: Entire tree moderately to severely chlorotic with declining vigor.</td>
</tr>
</tbody>
</table>

**Observation Date of Flowers:** 4/29/2006  
**Flower Color:** Dark Pink  
**Flower Type:** Cluster  
**Flower Effect:** Fair to poor  
**% of Flower Coverage:** 15-30%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Large flowers but very few. Color is less intense or dull compared to most other crabapples.  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:** Date of observation: Persistance:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

Scientific Name: Malus x  
Variety:  
Cultivar: Silver Drift  
Family: Rosaceae  
Tsum: 02082  
Common Name: Silver Drift Crabapple  
Source: Bailey Nurseries  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 8/17/2011  
Plant Habit: Round  
Plant Height: 9-13 ft.  
Plant Width: 10-14 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: No suckering  
Recommended: Yes  

Observation Date of Flowers: 4/24/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 60-75%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:
Scientific Name: Malus x
Cultivar: Sinai Fire
Family: Rosaceae
Common Name: Sinai Fire Crabapple
Source: J. Frank Schmidt and Son Co

Quantity observed: 1

Variety:
Tsun: 90121

Observation Date of Plant: 8/22/2011
Plant Habit: Broad oval
Plant Height: 9-12 ft.
Plant Width: 22-30 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: No suckering
Recommended: Yes
Comments on plant: Chlorosis on 5-10% of canopy.

Observation Date of Flowers: 4/25/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 80-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
**Scientific Name:** Malus x  
**Cultivar:** Sugar Tyme  
**Family:** Rosaceae  
**Common Name:** Sugar Tyme Flowering Crabapple  
**Source:** A. McGill & Son Nursery  
**Quantity observed:** 2  
**Variety:** -0-  
**Tsnum:** 87103  

**Observation Date of Plant:** 8/17/2011  
**Plant Habit:** Broad oval to rounded  
**Plant Height:** 12-18 ft.  
**Plant Width:** 18-24 ft.  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Slight suckering  
**Recommended:** Yes  
**Comments on plant:**  

**Observation Date of Flowers:** 4/21/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 40-60%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Pink buds.  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/20/2009  
**Aesthetics:** Fair  
**Persistance:** 1-2 weeks  
**Fall Color:** Dull yellow
<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong> Malus x</th>
<th><strong>Variety:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cultivar:</strong> Thunderchild</td>
<td><strong>Family:</strong> Rosaceae</td>
</tr>
<tr>
<td><strong>Common Name:</strong> Thunderchild Crabapple</td>
<td></td>
</tr>
<tr>
<td><strong>Source:</strong> A. McGill &amp; Son Nursery</td>
<td><strong>Quantity observed:</strong> 2</td>
</tr>
<tr>
<td><strong>Tsnum:</strong> 97059</td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 8/16/2011  
**Plant Habit:** Upright oval to round  
**Plant Height:** 12-16 ft.  
**Plant Width:** 10-15 ft.  
**Current Seasons Growth:** 12-20 in.

**Foliage Color:** Red/dark green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Moderate suckering.  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2003.

**Observation Date of Flowers:** 4/19/2006  
**Flower Color:** Dark pink fading to light pink  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 50-60%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/6/2008  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** Red/purple
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Malus x</th>
<th>Variety: -0-</th>
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<tbody>
<tr>
<td>Cultivar: Van Eseltine</td>
<td>Tsn: 78087</td>
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<tr>
<td>Family: Rosaceae</td>
<td></td>
</tr>
<tr>
<td>Common Name: Van Eseltine Flowering Crabapple</td>
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</tr>
<tr>
<td>Source: J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 2</td>
</tr>
</tbody>
</table>

Observation Date of Plant: 8/22/2011
Plant Habit: Vase
Plant Height: 13-18 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, small/confined areas

Overall Plant Health: Fair
Insect Pests: Borers
Pest Severity: 5-10% of canopy affected
Plant Disease: Fireblight
Disease Severity: Minor injury
Cultural Problems:
Nuisances: Moderate suckering
Recommended: Marginal
Comments on plant: Minor problem of fireblight on both trees. Vigor is low in regard to new growth but canopy is full. Nice growth habit for narrow areas. May do better if not on edge of arboretum.

Observation Date of Flowers: 4/29/2006
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-100%
Bloom Stage: Flowers open

Fall Color or Fruit: Date of observation: Persistance:
Aesthetics: Persistance:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Malus x  
**Cultivar:** Weeping Candied Apple  
**Family:** Rosaceae  
**Common Name:** Weeping Candied Apple Flowering Crabapple  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**Tsnnum:** 83136  
**Variety:** -0-  
**PI #:** -0-

**Observation Date of Plant:** 7/25/2011  
**Plant Habit:** Broad oval to round  
**Plant Height:** 9-14 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 6-14 in.

**Foliage Color:** Dark green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, confined overhead areas

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Abundant suckering.  
**Recommended:** Yes  
**Comments on plant:** Not a very weeping habit fairly subtle.

**Observation Date of Flowers:** 4/25/2006  
**Flower Color:** Pink  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 90-100%  
**Bloom Stage:** Flowers open

**Fruit Present:**  
**Comments on Flowers:** Very impressive flower display.

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/20/2009  
**Aesthetics:** Fair to poor  
**Persistane:** 1-2 weeks  
**Fall Color:** Yellow, orange/red
### Scientific Name: Malus x

**Cultivar:** Zuni  
**Family:** Rosaceae  
**Common Name:** Zuni Flowering Crabapple  
**Source:** American Nursery Product/Mi  
**Quantity observed:** 1  
**PI #:** -0-  

### Variety: -0-  
**Tsnum:** 80155

### Observation Date of Plant: 8/17/2011

**Plant Habit:** Broad oval  
**Plant Height:** 15 - 20 ft.  
**Plant Width:** 25-35 ft.  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Rust  
**Disease Severity:** Slight injury  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:** 4/29/2003

**Flower Color:** n/a  
**Flower Type:**  
**Flower Effect:** Poor  
**% of Flower Coverage:**  
**Bloom Stage:** n/a  
**Fruit Present:**  
**Comments on Flowers:** No sign of flower or buds this year - just leaves.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
## Scientific Name: Microbiota decussata

### Variety: -0-

### Cultivar: -0-

### Family: Cupressaceae

### Tsnum: 83329

### Common Name: Russian Arborvitae

### Source: Arnold Arboretum

### Quantity observed: 4

### PI #: -0-

### Observation Date of Plant: 11/9/2012

### Plant Habit: Spreading

### Plant Height: 1.5 - 2 ft.

### Plant Width: 8-10 ft.

### Current Seasons Growth: 6-8 in.

### Foliage Color: Medium green, bronze in winter

### Bark Characteristics: Unimportant

### Plant Summer Texture: Fine

### Aesthetic Plant Quality: Good

### Landscape Uses: Ground cover, Shrub border

### Overall Plant Health: Good

### Insect Pests: 

### Pest Severity: 

### Plant Disease: 

### Disease Severity: 

### Cultural Problems: 

### Nuisances: 

### Recommended: Yes

### Comments on plant: Softer foliage than a Juniper. A good plant for adding texture to the landscape - very attractive growth habit.

### Observation Date of Flowers:

### Flower Color: 

### Flower Type: 

### Flower Effect: 

### % of Flower Coverage: 

### Bloom Stage: 

### Fruit Present: 

### Comments on Flowers: 

### Fall Color or Fruit: 

### Aesthetics: 

### Date of observation: 

### Persistance: 

### Fall Color: 
Scientific Name: Morus alba
Variety: -0-
Cultivar: -0-  Family: Moraceae
Common Name: White Mulberry
Source: American Nursery Product/Mi Quantity observed: 1  PI #: -0-

Observation Date of Plant: 9/20/2011
Plant Habit: Round
Plant Height: 25-30 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 20-30 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Large, shade tree, wildlife

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/28/2003
Aesthetics: Good  Persistance: 1-2 weeks
Fall Color: bright golden yellow
<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Morus alba</th>
<th><strong>Variety:</strong></th>
<th>-0-</th>
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</thead>
<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>Chapparal</td>
<td><strong>Family:</strong></td>
<td>Moraceae</td>
</tr>
<tr>
<td><strong>Common Name:</strong></td>
<td>Chapparal White Mulberry</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Source:</strong></td>
<td>Alameda Wholesale Nursery</td>
<td></td>
<td><strong>Quantity observed:</strong></td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/20/2011

**Plant Habit:** Round to broad oval

**Plant Height:** 20 - 25 ft.

**Plant Width:** 30-40 ft.

**Current Seasons Growth:** 1-2 ft.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, large shade tree, wildlife

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:** Wet wood

**Disease Severity:** Slight injury

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Some wet wood along pruning cuts and included bark. Has significant deadwood accumulation which can be high maintenance.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/28/2003

**Aesthetics:** Good

**Persistence:** 1-2 weeks

**Fall Color:** bright golden yellow
### Morus alba

**Variety:** -0-

**Family:** Moraceae

**Common Name:** Weeping White Mulberry

**Source:** Unknown

**Quantity observed:** 1

<table>
<thead>
<tr>
<th>Observation Date of Plant</th>
<th>9/20/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit</td>
<td>Weeping</td>
</tr>
<tr>
<td>Plant Height</td>
<td>8 - 10 ft.</td>
</tr>
<tr>
<td>Plant Width</td>
<td>12-15 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth</td>
<td>3 - 4 ft.</td>
</tr>
</tbody>
</table>

**Foliage Color:** Medium green

**Bark Characteristics:** Not very important

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** New branches form new layers of branches on top of old branches and create a pruning nightmare if left over time. Was a very cold winter and about 40% of canopy died.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/28/2003

**Aesthetics:** Fair

**Persistance:** 1-2 weeks

**Fall Color:** golden yellow
Scientific Name: Morus alba
Cultivar: Tatarica
Common Name: Russian Mulberry
Source: Bailey Nurseries

Variety:
Family: Moraceae
Tnum: 94048

Leaves are relatively small and less coarse looking. Some wet wood developing in a main branch crotch.

Observation Date of Plant: 9/20/2011
Plant Habit: Upright oval to round
Plant Height: 25-30 ft.
Plant Width: 22-28 ft.
Current Seasons Growth: 10-20 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree, wildlife

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Leaves are relatively small and less coarse looking. Some wet wood developing in a main branch crotch.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Ostrya virginiana  
Cultivar: -0-  
Family: Betulaceae  
Variety: -0-  
Tnum: 84122  
Common Name: American Hornbeam  
Source: Jewell Nursery, Inc.  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/3/2011  
Plant Habit: Upright oval  
Plant Height: 20-25 ft.  
Plant Width: 15 - 20 ft.  
Current Seasons Growth: 8-14 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease: Leaf spot  
Disease Severity: Moderate injury, aesthetics affected  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color: Fall color  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present: Fall color  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/6/2008  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: Yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Ostrya virginiana  
Variety: -0-  
Cultivar: -0-  
Family: Betulaceae  
Tsunum: 89110  
Common Name: American Hop Hornbeam  
Source: Carlton Plants  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 10/3/2011  
Plant Habit: Upright oval, pyramidal  
Plant Height: 15-20 ft.  
Plant Width: 12-18 ft  
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, small/confined areas

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 10/6/2008  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: Yellow
Scientific Name: Paulonia tomentosa
Cultivar: 
Family: Scrophulariaceae
Tnum: 10107
Common Name: Princesstree
Source: Plant Select/DBG
Quantity observed: 2
PI #:

Observation Date of Plant: 10/1/2012
Plant Habit: Young, undefined
Plant Height: 4-8 ft.
Plant Width: 3-6 ft.
Current Seasons Growth: 4-8 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Excellent
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: n/a
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend. Has huge leaves and impressive vigor.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Very poor - after hard fre
Fall Color: none
Date of observation: 10/8/2012
Persistance: 

2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Paxistima canbyi</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Family: Celastraceae</td>
</tr>
<tr>
<td>Common Name: Mountain Lover</td>
<td>Tnum: 09087</td>
</tr>
<tr>
<td>Source: Plant Select</td>
<td>Quantity observed: 1</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 11/9/2012

**Plant Habit:** Broad oval

**Plant Height:** 2-3 in.

**Plant Width:** 8-12 in.

**Current Seasons Growth:** 1-3 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Vigor is low, may need more sun.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**

Page 636 of 1130
**Scientific Name:** Phellodendron amurense  
**Cultivar:** -0-  
**Family:** Rutaceae  
**Common Name:** Amur Corktree  
**Source:** Unknown  
**Quantity observed:** 2  
**Tnum:** 77010  
**PI #:** -0-  

- **Observation Date of Plant:** 10/4/2011  
- **Plant Habit:** Vase  
- **Plant Height:** 30-38 ft.  
- **Plant Width:** 20-30 ft.  
- **Current Seasons Growth:** 8-12 in.  

- **Foliage Color:** Medium green  
- **Bark Characteristics:** Intermediate importance  
- **Plant Summer Texture:** Coarse  
- **Aesthetic Plant Quality:** Good  
- **Landscape Uses:** Residential street, large shade tree  

- **Overall Plant Health:** Good  
- **Insect Pests:**  
- **Pest Severity:**  
- **Plant Disease:**  
- **Disease Severity:**  
- **Cultural Problems:**  
- **Nuisances:**  
- **Recommended:** Yes  
- **Comments on plant:**

- **Observation Date of Flowers:**
- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**
- **Comments on Flowers:**

- **Fall Color or Fruit:** Fall color  
- **Date of observation:** 10/10/2011  
- **Aesthetics:** Fair  
- **Persistance:** 1 week  
- **Fall Color:** Light yellow
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Phellodendron amurense</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Macho</td>
<td>Family:</td>
<td>Rutaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Macho Amur Corktree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
<tr>
<td>PI #:</td>
<td>-0-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Observation Date of Plant:</td>
<td>10/4/2011</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Habit:</td>
<td>Vase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Height:</td>
<td>20-28 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>15-20 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>12-18 in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bark Characteristics:</td>
<td>Intermediate importance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Coarse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair to poor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Residential street, large shade tree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Fair</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td>Canker</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td>Moderate to severe injury</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>About 50% of canopy has died out mostly in branches affecting the middle of the tree.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Flowers:**

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Fall color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Fair</td>
</tr>
<tr>
<td>Fall Color:</td>
<td>Pale yellow</td>
</tr>
<tr>
<td>Date of observation:</td>
<td>10/16/2003</td>
</tr>
<tr>
<td>Persistance:</td>
<td>1-2 weeks</td>
</tr>
</tbody>
</table>
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Phellodendron chinensis  
**Family:** Rutaceae  
**Tnum:** 81065

**Cultivar:** -0-  
**Variety:** -0-  
**Common Name:** Chinese Corktree  
**Source:** Minnesota Landscape Arbore

**Quantity observed:** 2  
**PI #:** -0-

**Observation Date of Plant:** 10/4/2011

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Persistance:**

**Aesthetics:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Phellodendron species  
Variety: -0-  
Cultivar: -0-  
Family: Rutaceae  
Tsunum: 91095  
Common Name: Cork Tree  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 22-28 ft.  
Plant Width: 20-25 ft.  
Current Seasons Growth: 1 - 2 ft.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, shade tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:  

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Philadelphus coronarius</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Family:</td>
<td>Saxifragaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Sweet Mockorange</td>
<td>Tnum:</td>
<td>77007</td>
</tr>
<tr>
<td>Source:</td>
<td>Unknown</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PI #:</td>
<td>-0-</td>
</tr>
</tbody>
</table>

Observation Date of Plant: 9/26/2012
Plant Habit: Upright oval but becoming
Plant Height: 6-8 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: Crowded by neighboring plants.
Nuisances: 
Recommended: Yes
Comments on plant: Rejuvenated in 2003. Would probably look better with more space and irrigation.

Observation Date of Flowers: 6/12/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: good
% of Flower Coverage: 50-60%
Bloom Stage: Flowers open
Fruit Present: 
Comments on Flowers: 

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 

Date of observation: 
Persistance: 

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Scientific Name: Philadelphus lewisii  
Variety:  
Cultivar:  
Family: Saxifragaceae  
Tsun: 97256  
Common Name: Lewis Mock Orange  
Source: Fort Collins Nursery  
Quantity observed: 4  
PI #:  

Observation Date of Plant: 10/21/2011  
Plant Habit: Upright oval  
Plant Height: 5-8 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 3-4 ft.  

Foliage Color: Medium green  
Bark Characteristics: Not very important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, xeriscape, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Rejuvenated in 2010 and looks much more vigorous.  

Observation Date of Flowers: 6/1/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 85-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers: Very showy even at a distance of several hundred feet.  

Fall Color or Fruit: Fall color  
Date of observation: 10/16/2003  
Aesthetics: Fair  
Persistence: 1-2 weeks  
Fall Color: yellow
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Philadelphus x lemoinei</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Sylvia</td>
<td>Family:</td>
<td>Saxifragaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Sylvia Mockorange</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Jewell Nursery, Inc.</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
<tr>
<td>Tnum:</td>
<td>88157</td>
<td>PI #:</td>
<td>-0-</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/26/2012
**Plant Habit:** Upright oval
**Plant Height:** 5-7 ft.
**Plant Width:** 4-7 ft.
**Current Seasons Growth:** 12-24 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Medium
**Aesthetic Plant Quality:** Good
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Yes

**Comments on plant:** Rejuvenated in 2007 and looks much more vigorous. Getting crowded by neighboring volunteer plants.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Date of observation:**
**Aesthetics:**
**Persistance:**
**Fall Color:**
Scientific Name: Philadelphus x virginianus  
Cultivar: Glacier  
Family: Saxifragaceae  
Common Name: Glacier Virginian Mockorange  
Source: Mount Arbor Nursery  
Quantity observed: 1  
Variety: -0-  
Tnum: 83146

Observation Date of Plant: 9/26/2012  
Plant Habit: Upright oval to round  
Plant Height: 5-6 ft.  
Plant Width: 6-8 ft  
Current Seasons Growth: 12-24 in

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border,

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Less than 5% of canopy is chlorotic for unknown reason.

Observation Date of Flowers: 6/9/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 85-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistace:  

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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Philadelphus x virginalis</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Minature Snowflake</td>
<td>Family: Hydrangeaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Minature Snowflake Mock Orange</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Sjin Nurseries</td>
<td>Quantity observed: 1</td>
</tr>
<tr>
<td>Tsnum:</td>
<td>02016</td>
<td>PI #:</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>9/26/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval, irregular</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>6-9 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>2-3 ft.</td>
</tr>
</tbody>
</table>

| Foliage Color:             | Medium green |
| Bark Characteristics:      | Unimportant  |
| Plant Summer Texture:      | Medium       |
| Aesthetic Plant Quality:   | Good         |
| Landscape Uses:            | Specimen, shrub border |

| Overall Plant Health:      | Good        |
| Insect Pests:              |             |
| Pest Severity:             |             |
| Plant Disease:             |             |
| Disease Severity:          |             |
| Cultural Problems:         |             |
| Nuisances:                 |             |
| Recommended:               | Yes         |
| Comments on plant:         | Good vigor after being rejuvenated in 2009. |

| Observation Date of Flowers: | 6/12/2006 |
| Flower Color:                | White     |
| Flower Type:                 | Cluster   |
| Flower Effect:               | Good      |
| % of Flower Coverage:        | 60-80%    |
| Bloom Stage:                 | Flowers open |
| Fruit Present:               |            |
| Comments on Flowers:         | Very fragrant |

| Fall Color or Fruit:        |            |
| Aesthetics:                 |            |
| Fall Color:                 |            |

| Date of observation:        |           |
| Persistance:                |           |

Page 645 of 1130
Scientific Name: Philadelphus x virginialis
Variety: -0-
Cultivar: Minnesota Snowflake
Family: Saxifragaceae
Tsnm: 83176
Common Name: Minnesota Snowflake Mockorange
Source: Bailey Nurseries
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Irregular to upright oval
Plant Height: 5-7 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Two plants were rejuvenated in 2008. Vigor and aesthetics would probably improve in full sun.

Observation Date of Flowers: 6/12/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair to poor
% of Flower Coverage: 10-20%
Bloom Stage: Flowers open

Fruit Present:
Comments on Flowers: Plants have low vigor and may do better if rejuvenated.

Fall Color or Fruit: Fall color
Date of observation: 9/23/2004
Aesthetics: Fair
Persistance: 2-4 weeks
Fall Color: yellow
### Scientific Name: Philadelphus x virginalis

### Variety: -0-

### Cultivar: Snow Velvet

### Family: Saxifragaceae

### Tnum: 86174

### Common Name: Snow Velvet Mockorange

### Source: Forrest Keeling Nursery

### Quantity observed: 1

### Observation Date of Plant: 9/27/2012

### Plant Habit: Upright oval

### Plant Height: 5-6 ft.

### Plant Width: 4 - 6 ft.

### Current Seasons Growth: 2-4 ft.

### Foliage Color: Medium green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Fair to good

### Landscape Uses: Specimen, shrub border

### Overall Plant Health: Good

### Insect Pests: 

### Pest Severity: 

### Plant Disease: 

### Disease Severity: 

### Cultural Problems: 

### Nuisances: Yes

### Recommended: Yes

### Comments on plant: Rejuvenated in 2007 and is coming back moderately strong.

---

### Observation Date of Flowers:

### Flower Color: 

### Flower Type: 

### Flower Effect: 

### % of Flower Coverage: 

### Bloom Stage: 

### Fruit Present: 

### Comments on Flowers:

---

### Fall Color or Fruit: 

### Date of observation: 

### Aesthetics: 

### Persistance: 

### Fall Color: 

---
Tsnum: 05102

Scientific Name: Physocarpus
Cultivar: Summer Wine
Family: Rosaceae
Common Name: Summer Wine Ninebark
Source: Proven Winners
Quantity observed: 2

Observation Date of Plant: 9/19/2011
Plant Habit: Upright, irregular
Plant Height: 3-4.5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Dark red/green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Maintains excellent color throughout summer.

Observation Date of Flowers: 6/2/2007
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 5-20%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Just planted in 2006 - should get showier as it gets further established.

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistace:
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<tr>
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<th>Physocarpus malvaceus</th>
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<td>-0-</td>
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<tr>
<td>Common Name:</td>
<td>Ninebark</td>
<td>Tsnm:</td>
<td>81309</td>
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<tr>
<td>Source:</td>
<td>Denver Botanic Gardens</td>
<td>Quantity observed:</td>
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<td>PI #:</td>
<td>76447</td>
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<tr>
<td>Observation Date of Plant:</td>
<td>9/19/2011</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Habit:</td>
<td>Arching</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Height:</td>
<td>8 - 10 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>10 - 15 ft.</td>
<td></td>
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<tr>
<td>Current Seasons Growth:</td>
<td>1 - 3 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Dark green</td>
<td></td>
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<tr>
<td>Bark Characteristics:</td>
<td>Intermediate importance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Coarse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair to good</td>
<td></td>
<td></td>
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<tr>
<td>Landscape Uses:</td>
<td>Specimen, xeriscape, shrub border</td>
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<td></td>
</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Fair</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Disease Severity:</td>
<td></td>
<td></td>
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<tr>
<td>Cultural Problems:</td>
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<td>Nuisances:</td>
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<tr>
<td>Recommended:</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>One of two was rejuvenated in 2011 and is moderately chlorotic.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Observation Date of Flowers: | 5/23/2003 |
| Flower Color:                | White     |
| Flower Type:                 | Cluster   |
| Flower Effect:               | Excellent |
| % of Flower Coverage:        | 76-100%   |
| Bloom Stage:                 | Flowers open |
| Fruit Present:               |           |
| Comments on Flowers:         |           |

| Fall Color or Fruit: | Date of observation: |
| Aesthetics:         | Persistance:        |
| Fall Color:         |                        |
### Scientific Name: Physocarpus opulifolius  
### Cultivar: `Nana`  
### Family: Rosaceae  
### Source: Jewell Nursery, Inc.  
### Quantity observed: 3  
### Variety: -0-  
### Tsnum: 85082

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>9/19/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Broad oval to round</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>4 - 6 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>6-9 ft</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>6-12 in.</td>
</tr>
</tbody>
</table>

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very visible  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Growth habit is more controlled and compact compared to the straight species. Has slight chlorosis on 10-20% of canopy - may not be getting adequate irrigation on edge of arboretum. Has a little dieback that needs to be pruned out.

**Observation Date of Flowers:** 6/2/2003  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 75-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Buds are a beautiful pink. Smaller flowers in great supply.

<table>
<thead>
<tr>
<th><strong>Fall Color or Fruit:</strong></th>
<th><strong>Date of observation:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aesthetics:</strong></td>
<td><strong>Persistance:</strong></td>
</tr>
<tr>
<td><strong>Fall Color:</strong></td>
<td></td>
</tr>
</tbody>
</table>
Scientific Name: Physocarpus opulifolius  
Variety: -0-  
Cultivar: ‘Nugget’  
Family: Rosaceae  
Tsun: 89157  
Common Name: Nugget Ninebark  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 3  
PI #: A8402

Observation Date of Plant: 9/19/2011

Plant Habit: Broad oval
Plant Height: 8 - 10 ft.
Plant Width: 15 - 18 ft.
Current Seasons Growth: 1 - 3 ft.

Foliage Color: Yellow to light green matures to medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 5/23/2003

Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Physocarpus opulifolius  
Cultivar: Ames 27797 NCRPIS Co  
Family: Rosaceae  
Common Name: NCRPIS Compact Ninebark  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 1  
PI #: Ames 27797  
Tnum: 07091

Observation Date of Plant: 9/19/2011  
Plant Habit: Young, undefined  
Plant Height: 2-3 ft.  
Plant Width: 2-4 ft.  
Current Seasons Growth: 1-2 ft.  
Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Specimen, xeriscape, shrub border  
Overall Plant Health: Fair to good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems: Maybe in too much shade to demonstrate true vigor.  
Nuisances:  
Recommended: Yes  
Comments on plant: Planted in 2009.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
Scientific Name: Physocarpus opulifolius  
Cultivar: Center Glow  
Family: Rosaceae  
Tnum: 08068  
Common Name: Center Glow Ninebark  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 1  
PI #: Ames 27970

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Round

**Plant Height:** 5-6 ft.

**Plant Width:** 6-8 ft.

**Current Seasons Growth:** 4-8 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in 2010.

**Observation Date of Flowers:** 4/25/2012

**Flower Color:** Dark lavender

**Flower Type:** Cluster

**Flower Effect:** Fair

**% of Flower Coverage:** 40.00%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Starting second year in arboretum.

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
 Scientific Name: Physocarpus opulifolius  
 Variety: 
 Cultivar: Center Glow  
 Family: Rosaceae  
 Tnum: 08068 
 Common Name: Center Glow Ninebark 
 Source: USDA/NC-7, Ames, IA 
 Quantity observed: 2  
 PI #: Ames 27970 

 Observation Date of Plant: 9/20/2011 
 Plant Habit: Upright, irregular 
 Plant Height: 2-4 ft. 
 Plant Width: 4-5.5 ft. 
 Current Seasons Growth: 1-3 ft. 

 Foliage Color: Dark red 
 Bark Characteristics: Intermediate importance 
 Plant Summer Texture: Coarse 
 Aesthetic Plant Quality: Good 
 Landscape Uses: Specimen, xeriscape, shrub border 

 Overall Plant Health: Good 
 Insect Pests: 
 Pest Severity: 
 Plant Disease: 
 Disease Severity: 
 Cultural Problems: 
 Nuisances: Yes 
 Recommended: Yes 
 Comments on plant: Planted in 2009. Foliage color didn't fade all summer. 

 Observation Date of Flowers: 
 Flower Color: 
 Flower Type: 
 Flower Effect: 
 % of Flower Coverage: 
 Bloom Stage: 
 Fruit Present: 
 Comments on Flowers: 

 Fall Color or Fruit: 
 Aesthetics: 
 Persistence: 
 Fall Color:
Scientific Name: Physocarpus opulifolius
Cultivar: Dart's Golden
Common Name: Dart's Golden Ninebark
Source: USDA/NC-7, Ames, IA
Quantity observed: 2

Variety: -0-
Family: Rosaceae

Tnum: 80146

Observation Date of Plant: 9/19/2011
Plant Habit: Arching, irregular
Plant Height: 6 - 9 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 2 - 4 ft.

Foliage Color: Yellow to light green maturing to medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One plant rejuvenated in 2010.

Observation Date of Flowers: 5/23/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
**Scientific Name:** Physocarpus opulifolius  
**Cultivar:** Diabolo  
**Family:** Rosaceae  
**Common Name:** Diabolo Ninebark  
**Source:** Bailey Nurseries  
**Quantity observed:** 3  
**Tnum:** 01039

**Plant Habit:** Rounded  
**Plant Height:** 4-6 ft.  
**Plant Width:** 6-8 ft.  
**Current Seasons Growth:** 1-3 ft.

**Foliage Color:** Dark purple  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Getting a little scorched - probably due to difficulty in irrigating along the edge of  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** New stems are attractive dark red during winter months. Growth habit is less leggy than most other Ninebarks.

**Observation Date of Plant:** 9/17/2011  
**Observation Date of Flowers:** 6/2/2007  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 50-70%  
**Bloom Stage:** Flowers open  
**Fall Color or Fruit:** Fall color  
**Date of observation:** 11/15/2005  
**Aesthetics:** Good  
**Persistance:** 2-4 weeks  
**Fall Color:** red/purple
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
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<td>Family:</td>
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<tr>
<td>Common Name:</td>
<td>Select Ninebark</td>
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<td>Source:</td>
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<td>Plant Habit:</td>
<td>Arching to irregular</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>9-12 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>2 - 3 ft.</td>
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<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium green</th>
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<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Intermediate importance</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
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<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair</td>
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<tr>
<td>Landscape Uses:</td>
<td>Specimen, xeriscape, shrub border</td>
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<table>
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<tr>
<th>Overall Plant Health:</th>
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<tbody>
<tr>
<td>Insect Pests:</td>
<td></td>
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<tr>
<td>Pest Severity:</td>
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</tr>
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<td>Plant Disease:</td>
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<td>Disease Severity:</td>
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</tr>
<tr>
<td>Cultural Problems:</td>
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<td>Nuisances:</td>
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<td>Recommended:</td>
<td>Yes</td>
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<tr>
<td>Comments on plant:</td>
<td>Chlorosis is mild on most of plant.</td>
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<th>Observation Date of Flowers:</th>
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<td>White</td>
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<tr>
<td>Flower Type:</td>
<td>Cluster</td>
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<tr>
<td>Flower Effect:</td>
<td>Good</td>
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<tr>
<td>% of Flower Coverage:</td>
<td>70-80%</td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
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<tr>
<td>Fruit Present:</td>
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<tr>
<td>Comments on Flowers:</td>
<td></td>
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<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
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<tr>
<td>Scientific Name:</td>
<td>Physocarpus opulifolius</td>
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<tr>
<td>-----------------</td>
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<td>Variety:</td>
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<td>Cultivar:</td>
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<td>Family:</td>
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<td>Tnum:</td>
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<tr>
<td>Common Name:</td>
<td>Summer Wine Ninebark</td>
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<tr>
<td>Source:</td>
<td>Sherman Nursery</td>
</tr>
<tr>
<td>Quantity observed:</td>
<td>3</td>
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<tr>
<td>PI #:</td>
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</table>

**Observation Date of Plant:** 9/20/2011

**Plant Habit:** Irregular, some arching

**Plant Height:** 4-5 ft

**Plant Width:** 5-8 ft.

**Current Seasons Growth:** 1-3 ft.

**Foliage Color:** Dark red

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Planted in 2009. Foliage color doesn't fade.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Scientific Name: Physocarpus opulifolius
Cultivar: Snowfall
Family: Rosaceae
Variety: 
Tnum: 94055
Common Name: Snowfall Ninebark
Source: Bailey Nurseries
Quantity observed: 5
PI #:

Observation Date of Plant: 9/20/2011
Plant Habit: Upright, arching as it mat
Plant Height: 7-9 ft.
Plant Width: 9-12 ft
Current Seasons Growth: 18-36 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Looks good in a fairly xeric area. Rejuvenated two plants in 2011 after data collected.

Observation Date of Flowers: 6/1/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
### Physocarpus ribesifolius

<table>
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<th>Scientific Name:</th>
<th>Physocarpus ribesifolius</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
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<tr>
<td>Common Name:</td>
<td>Ninebark</td>
<td>96071</td>
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<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
<td>Quantity observed:</td>
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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright, arching as it mat</td>
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<tr>
<td>Plant Height:</td>
<td>5-7 ft.</td>
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<td>Plant Width:</td>
<td>5-8 ft.</td>
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<td>Current Seasons Growth:</td>
<td>1-2 ft.</td>
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<td>Foliage Color:</td>
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<td>Plant Summer Texture:</td>
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<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair</td>
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<tr>
<td>Landscape Uses:</td>
<td>Specimen, xeriscape, shrub border</td>
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<td>Overall Plant Health:</td>
<td>Fair</td>
</tr>
<tr>
<td>Insect Pests:</td>
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<td>Pest Severity:</td>
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<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>One of two looks a little stressed due to irrigation problems along edge of arboretum.</td>
</tr>
</tbody>
</table>

| Observation Date of Flowers: | 6/26/2006 |
| Flower Color:                | n/a       |
| Flower Type:                 | n/a       |
| Flower Effect:               | n/a       |
| % of Flower Coverage:        | n/a       |
| Bloom Stage:                 | n/a       |
| Fruit Present:               |           |
| Comments on Flowers:         | No evidence of flowers in 2006 probably is related to poor plant health and large amount of canopy dieback. |

| Fall Color or Fruit:         | Date of observation: |
| Aesthetics:                  | Persistance:         |
| Fall Color:                  |                        |
Scientific Name: Picea abies
Variety: -0-
Family: Pinaceae
Scientific Name: -0-
Cultivar: -0-
Common Name: Norway Spruce
Source: Zelenka Nursery
Quantity observed: 3
PI #: -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 30-40 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Picea abies</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Nidiformis</td>
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<tr>
<td>Common Name:</td>
<td>Bird's Nest Spruce</td>
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<tr>
<td>Source:</td>
<td>Zelenka Nursery</td>
<td>Quantity observed:</td>
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<tr>
<td>PI #:</td>
<td>-0-</td>
<td>Date of observation:</td>
<td>11/9/2012</td>
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</table>

Observation Date of Plant: 11/9/2012

Plant Habit: Broad oval
Plant Height: 2 - 3 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 0.75-2 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Excellent compact, uniform growth.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
Scientific Name: Picea abies
Cultivar: Pendula  
Family: Pinaceae
Common Name: Weeping Norway Spruce
Source: Oregon Garden Products
Quantity observed: 1

Observation Date of Plant: 11/9/2012
Plant Habit: Weeping
Plant Height: 3 - 5 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 10-14 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: A solid performer over many years.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics:
Fall Color:

Date of observation:
Persistance:
**Scientific Name:** Picea engelmannii

**Variety:** -0-

**Family:** Pinaceae

**Tnum:** 81289

**Common Name:** Engelman Spruce

**Source:** Denver Botanic Gardens

**Quantity observed:** 1

**PI #:** -0-

**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Pyramidal

**Plant Height:** 22-28 ft.

**Plant Width:** 12-18 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Blue green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Excellent

**Landscape Uses:** Specimen

**Overall Plant Health:** Excellent

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Has a beautiful dense and uniform growth habit.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**

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### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Colorado State University, Fort Collins, Colorado**

<table>
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<tr>
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<td>Common Name:</td>
<td>White Spruce</td>
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<tr>
<td>Source:</td>
<td>Zelenka Nursery</td>
<td>Quantity observed:</td>
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**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Pyramidal

**Plant Height:** 15-20 ft.

**Plant Width:** 15-20 ft.

**Current Seasons Growth:** 3-6 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Short needles are attractive. Canopy seems to be getting thin - possibly due to very dry summers lately. May have disease or insect problem as there are areas on the trunk that has sap dripping down the side.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Picea glauca  
**Variety:**  
**Cultivar:** Conica  
**Family:** Pinaceae  
**Tnum:** 08147  
**Common Name:** Dwarf Albert White Spruce  
**Source:** Garden and Home Show  
**Quantity observed:** 1  

**Observation Date of Plant:** 11/9/2012  
**Plant Habit:** Pyramidal  
**Plant Height:** 3-4 ft.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 1-2 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** One sided plant due to crowding from nearby plants.  

**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Excellent growth habit is very uniform.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistence:**  
**Fall Color:**
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<td>Source: Colorado Nurseryman</td>
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<td>Plant Height: 25-35 ft.</td>
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<td>Plant Width: 20-30 ft.</td>
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<td>Current Seasons Growth: 8-14 in.</td>
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<td>Plant Summer Texture: Fine</td>
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<td>Landscape Uses: Specimen</td>
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<table>
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<th>Overall Plant Health: Good</th>
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<tbody>
<tr>
<td>Insect Pests:</td>
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<td>Pest Severity:</td>
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<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
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<tr>
<td>Cultural Problems:</td>
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<td>Nuisances:</td>
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<td>Recommended: Yes</td>
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<td>Comments on plant:</td>
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<td>Flower Color:</td>
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<td>Flower Type:</td>
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<tr>
<td>Flower Effect:</td>
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<tr>
<td>% of Flower Coverage:</td>
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<td>Bloom Stage:</td>
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<td>Fruit Present:</td>
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<td>Comments on Flowers:</td>
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<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
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<tr>
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<td>Fall Color:</td>
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Colorado State University, Fort Collins, Colorado

<table>
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<tr>
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<tr>
<td>Cultivar:</td>
<td>Pendula</td>
<td>Family:</td>
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<td>Common Name:</td>
<td>Weeping White Spruce</td>
<td>Pinaceae</td>
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<tr>
<td>Source:</td>
<td>Garden and Home Show</td>
<td>Quantity observed: 2</td>
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<td>Tnum:</td>
<td>12150</td>
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</table>

| Observation Date of Plant: | 11/2/2012 |
| Plant Habit:               | Pyramidal |
| Plant Height:              | 5-7 ft.  |
| Plant Width:               | 2-3 ft.  |
| Current Seasons Growth:    | 3-6 in.  |

| Foliage Color: | Blue/green |
| Bark Characteristics: | Unimportant |
| Plant Summer Texture: | Fine |
| Aesthetic Plant Quality: | Fair to good |
| Landscape Uses: | Specimen |

| Overall Plant Health:   | Fair |
| Insect Pests:           |     |
| Pest Severity:          |     |
| Plant Disease:          |     |
| Disease Severity:       |     |
| Cultural Problems:      |     |
| Nuisances:              | n/a |
| Recommended:            | n/a |
| Comments on Plant:      | Planted in 2012 too soon to recommend. Came as extra tree from ProGreen Expo in January and seems to have off-color foliage. |

| Observation Date of Flowers: |
| Flower Color: |
| Flower Type: |
| Flower Effect: |
| % of Flower Coverage: |
| Bloom Stage: |
| Fruit Present: |
| Comments on Flowers: |

| Fall Color or Fruit: |
| Aesthetics: |
| Date of observation: |
| Persistance: |
| Fall Color: |
Scientific Name: Picea jezoensis
Variety: -0-
Cultivar: -0-  
Family: Pinaceae
Tnum: 92041
Common Name: Yeddo Spruce
Source: Minnesota Landscape Arbore
Quantity observed: 2

Observation Date of Plant: 11/9/2012
Flower Color: Persistance:
Flower Type: Date of observation:
Flower Effect: Aesthetics:
% of Flower Coverage: Fall Color or Fruit:
Bloom Stage: Date of observation:
Fruit Present: Fall Color:
Comments on Flowers: Persistance:

Aesthetics: Excellent
Fall Color:

Overall Plant Health: Excellent
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: One of two trees is severely crowded by nearby plants but the one with adequate space looks great.
### Scientific Name: Picea omorika  
**Variety: -0-**

**Cultivar: -0-**  
**Family:** Pinaceae  

**Common Name:** Serbian Spruce

**Source:** Zelenka Nursery  
**Quantity observed:** 1  
**PI #: -0-**

**Observation Date of Plant:** 9/16/2010

**Plant Habit:** Pyramidal

**Plant Height:** 15-25 ft.

**Plant Width:** 15 - 24 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Branches curve upward and have a unique look since Picea omorika branchlets are fairly pendulous.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistence:**

**Fall Color:**
**Scientific Name:** Picea omorika  
**Variety:**  
**Cultivar:** Bruns  
**Family:** Pinaceae  
**Tnum:** 03154  
**Common Name:** Bruns Siberian Spruce  
**Source:** Monrovia Growers  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Pyramidal  
**Plant Height:** 7-9 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Blue/green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2005. Vandals removed some upper branches and central leader in 2008 but looks fairly normal in 2012.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Date of observation:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Picea orientalis  
Cultivar: Autovirens  
Family: Pinaceae  
Variety:  
Tnum: 96166  
Common Name: Autovirens Oriental Spruce  
Source: Monrovia Growers  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 11/2/2012  
Plant Habit: Pyramidal  
Plant Height: 7-10 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 10-15 in.  

Foliage Color: Dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Persistance:  
Date of observation:  
Fall Color:
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<table>
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<tr>
<th>Scientific Name:</th>
<th>Picea pungens</th>
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<td>Cultivar:</td>
<td>Bakeri</td>
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<tr>
<td>Common Name:</td>
<td>Baker Blue Spruce</td>
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<tr>
<td>Source:</td>
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Observation Date of Plant: 11/2/2012  
Plant Habit: Pyramidal  
Plant Height: 20-25 ft.  
Plant Width: 18-25 ft.  
Current Seasons Growth: 8-14 in.  

Foliage Color: Blue/gray  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen  

Overall Plant Health: Excellent  
Insect Pests: Cooley spruce galls  
Pest Severity: Slight injury  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Foliage color is slightly less blue than Picea 'Moorheim'

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit: Date of observation:  
Aesthetics: Persistance:  
Fall Color:
Scientific Name: Picea pungens
Variety: -0-
Cultivar: Glauc
Family: Pinaceae
Tsun: 78070

Common Name: Colorado Blue Spruce
Source: US Nat'l Arboretum

Quantity observed: 1
PI #: -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Pyramidal
Plant Height: 35-45 ft.
Plant Width: 30-35 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
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**Observation Date of Plant:** 11/9/2012
**Plant Habit:** Pyramidal
**Plant Height:** 15-22 ft.
**Plant Width:** 15-20 ft.
**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Blue
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Fine
**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, Native planting

**Overall Plant Health:** Good
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Yes
**Comments on plant:** Great blue color.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:**

**Date of observation:**
**Persistance:**
### Scientific Name: Picea pungens  
**Variety:**  
**Cultivar:** Hoopsii  
**Family:** Pinaceae  
**Tnum:** 00039

**Common Name:** Hoopsii Blue Spruce  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Pyramidal  
**Plant Height:** 10-14 ft.  
**Plant Width:** 7-10 ft.  
**Current Seasons Growth:** 12-18 in.  

**Foliage Color:** Blue  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** One of two not recovering from being in a container too long and in decline. Second one looks great.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**

**Persistance:**
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Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal
Plant Height: 15-20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen

Overall Plant Health: Excellent
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Outstanding uniform growth habit and color.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes
Comments on plant: Needles are very blue.

Observation Date of Flowers: 11/2/2012
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistance: 

Scientific Name: Picea pungens glauca
Cultivar: Fat Albert
Family: Pinaceae
Tsnum: 96164
Common Name: Fat Albert Blue Spruce
Source: Monrovia Growers
Quantity observed: 1

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 8-12 ft.
Plant Width: 8-11 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes
Comments on plant: Needles are very blue.

Observation Date of Flowers: 11/2/2012
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistance: 

Page 678 of 1130
Scientific Name: Picea pungens glauca
Cultivar: Moerheimii
Family: Pinaceae
Variety: Moerheim Blue Spruce
Tnum: 98020
Common Name: Moerheim Blue Spruce
Source: J. Frank Schmidt and Son Co
Quantity observed: 3
PI #:

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 20-30 ft.
Plant Width: 14-20 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Blue/gray
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Insect Pests: Cooley spruce galls
Pest Severity: Slight injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Foliage color is beautiful blue gray.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Date of observation:
Persistance:
Fall Color:
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<td>-0-</td>
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<td>Sitka Spruce</td>
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<td>Source:</td>
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<td>11/2/2012</td>
<td></td>
<td></td>
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<tr>
<td>Plant Habit:</td>
<td>Pyramidal</td>
<td></td>
<td></td>
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<tr>
<td>Plant Height:</td>
<td>20-28 ft.</td>
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<tr>
<td>Plant Width:</td>
<td>15-20 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>6-12 in.</td>
<td></td>
<td></td>
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<tr>
<td>Foliage Color:</td>
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<td>Bark Characteristics:</td>
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<td>Plant Summer Texture:</td>
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<td></td>
<td></td>
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<td></td>
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<td></td>
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<td>Overall Plant Health:</td>
<td>Good</td>
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<tr>
<td>Insect Pests:</td>
<td></td>
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<tr>
<td>Pest Severity:</td>
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<td>Plant Disease:</td>
<td></td>
<td></td>
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<tr>
<td>Disease Severity:</td>
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<tr>
<td>Cultural Problems:</td>
<td></td>
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<td>Nuisances:</td>
<td></td>
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<td>Recommended:</td>
<td>Yes</td>
<td></td>
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<tr>
<td>Comments on plant:</td>
<td>Plant has relatively small needles.</td>
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**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Date of observation:**
**Aesthetics:**
**Persistance:**
**Fall Color:**
**Scientific Name:** Pinus aristata  
**Variety:** -0-  
**Cultivar:** -0-  
**Family:** Pinaceae  
**Tsunum:** 78103  
**Common Name:** Bristlecone Pine  
**Source:** Unknown  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Irregular  
**Plant Height:** 9-12 ft.  
**Plant Width:** 10-15 ft  
**Current Seasons Growth:** 4 - 8 in.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Canopy has a beautiful, dense bushy habit. Has a few places where it exudes sap due to unknown cause.

**Observation Date of Flowers:** 
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:** 
**Aesthetics:**  
**Persistance:** 
**Fall Color:**
Scientific Name: Pinus bungeana  
Cultivar:  
Family: Pinaceae  
Common Name: Lacebark Pine  
Source: Garden and Home Show  
Quantity observed: 1  
PI #:  
Tnum: 03166

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 8-12 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes
Comments on plant: Vigor is improving now that surrounding plants aren't crowding it.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
### Scientific Name: Pinus cembra  
### Variety: -0-  
### Cultivar: Chalet  
### Family: Pinaceae  
### Tnum: 85162  
### Common Name: Chalet Swiss Stone Pine  
### Source: Timber Creek Nursery  
### Quantity observed: 1  
### PI #: -0-  

#### Observation Date of Plant: 11/2/2012  
#### Plant Habit: Very narrowly pyramidal  
#### Plant Height: 15-20 ft.  
#### Plant Width: 6-9 ft.  
#### Current Seasons Growth: 3-6 in.  

#### Foliage Color: Medium green  
#### Bark Characteristics: Unimportant  
#### Plant Summer Texture: Fine  
#### Aesthetic Plant Quality: Poor  
#### Landscape Uses: Specimen  

#### Overall Plant Health: Poor  
#### Insect Pests:  
#### Pest Severity:  
#### Plant Disease:  
#### Disease Severity:  
#### Cultural Problems:  
#### Nuisances:  
#### Recommended: Marginal  

**Comments on plant:** Needles have a very dense bushy appearance. Appears to be dying for unknown reason. Has a lot of brown foliage. Has been in decline for a couple of years.  

#### Observation Date of Flowers:  
#### Flower Color:  
#### Flower Type:  
#### Flower Effect:  
#### % of Flower Coverage:  
#### Bloom Stage:  
#### Fruit Present:  
#### Comments on Flowers:  

#### Fall Color or Fruit:  
#### Aesthetics:  
#### Date of observation:  
#### Persistance:  
#### Fall Color:
**Scientific Name:** Pinus cembra  
**Variety:**  
**Cultivar:** Klein  
**Family:** Pinaceae  
**Tnum:** 03155  
**Common Name:** Silver Whispers Swiss Stone Pine  
**Source:** Monrovia Growers  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Very narrowly pyramidal  
**Plant Height:** 8-10 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 1-2 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2005 and establishing easily. Vigor is impressive.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistence:**
Scientific Name: Pinus densiflora
Cultivar: Umbraculifera
Family: Pinaceae
Common Name: Tanyostio Pine
Source: Oregon Garden Products
Quantity observed: 1

Tsun: 91142
PI #: -0-

Observation Date of Plant: 11/9/2012
Plant Habit: Upright oval to round
Plant Height: 7-10 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: This plant is in a very shaded location and may have better vigor in full sun.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:
**Scientific Name:** Pinus edulis  
**Variety:** -0-  
**Cultivar:** -0-  
**Family:** Pinaceae  
**Tsum:** 78100  
**Common Name:** Pinyon Pine  
**Source:** Unknown  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Pyramidal to rounded  
**Plant Height:** 12-18 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 6-8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Native planting, xeriscape, screen

**Overall Plant Health:** Good  
**Insect Pests:** Galls  
**Pest Severity:** Slight injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Does well in dry location.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
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<tr>
<td>Cultivar:</td>
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<td>Tnum: 03168</td>
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<td>Limber Pine</td>
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<td>Monrovia Growers</td>
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<tr>
<td>Plant Habit:</td>
<td>Pyramidal</td>
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<tr>
<td>Plant Height:</td>
<td>4-6 ft.</td>
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<tr>
<td>Plant Width:</td>
<td>3-4 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>4-8 in.</td>
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</tbody>
</table>

| Foliage Color: | Medium green |
| Bark Characteristics: | Unimportant |
| Plant Summer Texture: | Medium |
| Aesthetic Plant Quality: | Fair |
| Landscape Uses: | Specimen, native |

| Overall Plant Health: | Good |
| Insect Pests: | |
| Pest Severity: | |
| Plant Disease: | |
| Disease Severity: | |
| Cultural Problems: | |
| Nuisances: | |

| Recommended: | Yes |
| Comments on plant: | |

<table>
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<th>Observation Date of Flowers:</th>
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<tbody>
<tr>
<td>Flower Color:</td>
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<tr>
<td>Flower Effect:</td>
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<tr>
<td>% of Flower Coverage:</td>
</tr>
<tr>
<td>Bloom Stage:</td>
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<td>Fruit Present:</td>
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| Comments on Flowers: | |

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<th>Fall Color or Fruit:</th>
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<td>Aesthetics:</td>
<td>Date of observation:</td>
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<tr>
<td>Fall Color:</td>
<td>Persistance:</td>
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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Pinus flexilis
Cultivar: Vanderwolf Pyramid
Family: Pinaceae
Variety: 
Tnum: 95115

Common Name: Vanderwolf Pine
Source: Oregon Garden Products
Quantity observed: 1
PI #: 

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 15-20 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 8-15 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes
Comments on plant: Undetermined cause resulted in death of top 12 inches of central leader in 2009 but in general, it still looks good. Very attractive, soft appearance.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers: 

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 

Date of observation: 
Persistance: 

Page 688 of 1130
**Scientific Name:** Pinus heldrichi  
**Variety:** -0-  
**Family:** Pinaceae  
**TSNUM:** 93125

**Cultivar:** Compacta  
**Common Name:** Pine

**Source:** CNA show  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 11/9/2012

**Plant Habit:** Irregular due to crowding

**Plant Height:** 3 - 6 ft.

**Plant Width:** 2-4 ft.

**Current Seasons Growth:** 2-3 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Poor

**Landscape Uses:** Specimen

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Would probably look much better if not severely crowded by nearby plants.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Pinus jeffreyi
Variety: -0-
Cultivar: -0- Family: Pinaceae
Common Name: Jeffrey Pine
Source: Denver Botanic Gardens Quantity observed: 1 PI #: -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Narrow, pyramidal
Plant Height: 25-35 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Tree has a great deal of sap on trunk the past two years and it is fairly surprising it is still alive.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:

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Scientific Name: Pinus mugo
Family: Pinaceae
Variety: mugo
Tsnum: 88127

Common Name: Mugho Pine
Source: Greenleaf Nursery Co.
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Irregular
Plant Height: 8 - 11 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Growth habit appears to just sprawl whenever it can.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Date of observation: 
Aesthetics: 
Persistance: 
Fall Color:
Scientific Name: Pinus mugo  
Variety: -0-  
Cultivar: Pumilia  
Family: Pinaceae  
Tsnum: 92256  
Common Name: Shrubby Swiss Mountain Pine  
Source: Monrovia Growers  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 11/9/2012  
Plant Habit: Pyramidal to round  
Plant Height: 5-6 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 3-6 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
### Scientific Name: Pinus nigra

Variety:  

**Family:** Pinaceae

**Tnum:** 03156

**Scientific Name:** Pinus nigra  
**Cultivar:**  
**Common Name:** Arnold Sentinel  
**Source:** Monrovia Growers  
**Quantity observed:** 1  
**PI #:**

---

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Columnar  
**Plant Height:** 7-10 ft.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 8-14 in

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  

**Comments on plant:** Planted in 2008. Very unique growth habit. Only one of three shipped were Pinus nigra and the other two trees were Pinus flexilis.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistence:**

**Fall Color:**
**Scientific Name:** Pinus nigra  
**Family:** Pinaceae  
**Variety:** -0-  
**Tsnm:** 78104  
**Cultivar:** -0-  
**Common Name:** Austrian Pine  
**Source:** Unknown  
**Quantity observed:** 1  
**PI #:** -0-  

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<tbody>
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<td>Pyramidal</td>
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<tr>
<td><strong>Plant Height:</strong></td>
<td>35-40 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>30-40 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>6-12 in.</td>
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</table>

| **Foliage Color:**           | Dark green |
| **Bark Characteristics:**    | Intermediate importance |
| **Plant Summer Texture:**    | Fine |
| **Aesthetic Plant Quality:** | Good |
| **Landscape Uses:**          | Specimen |

| **Overall Plant Health:**    | Good |
| **Insect Pests:**            |          |
| **Pest Severity:**           |          |
| **Plant Disease:**           |          |
| **Disease Severity:**        |          |
| **Cultural Problems:**       |          |
| **Nuisances:**               |          |
| **Recommended:**             | Yes |

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

<p>| <strong>Fall Color or Fruit:</strong>     |          |
| <strong>Aesthetics:</strong>              |          |
| <strong>Date of observation:</strong>     |          |
| <strong>Persistance:</strong>             |          |
| <strong>Fall Color:</strong>              |          |</p>
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Pinus nigra</th>
<th>Variety:</th>
<th>yugoslavia</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Family:</td>
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<tr>
<td>Common Name:</td>
<td>Yugoslavia Austrian Pine</td>
<td>Tsum:</td>
<td>83095</td>
</tr>
<tr>
<td>Source:</td>
<td>Plants of the Southwest</td>
<td>Quantity observed:</td>
<td>4</td>
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<tr>
<td></td>
<td></td>
<td>PI #:</td>
<td>-0-</td>
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</table>

**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Pyramidal

**Plant Height:** 35-45 ft.

**Plant Width:** 35-40 ft.

**Current Seasons Growth:** 10-15 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
## 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
### Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Pinus ponderosa</th>
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</table>

**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Pyramidal

**Plant Height:** 30-40 ft.

**Plant Width:** 30-35 ft.

**Current Seasons Growth:** 8 - 12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, native planting, xeriscape, screen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**

---

Page 696 of 1130
**Scientific Name:** Pinus strobus  
**Variety:** -0-  
**Cultivar:** -0-  
**Family:** Pinaceae  
**Tnum:** 85122  
**Common Name:** White Pine  
**Source:** American Nursery Product/Mi  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Pyramidal to irregular  
**Plant Height:** 50-60 ft.  
**Plant Width:** 35-45 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Light green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Good  
**Insect Pests:** Mealy bugs  
**Pest Severity:** Slight injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistence:**  
**Fall Color:**
**Scientific Name:** Pinus strobus  
**Variety:**  
**Cultivar:** Fastigiata  
**Family:** Pinaceae  
**Tsnum:** 03157  
**Common Name:** Columnar Eastern White Pine  
**Source:** Monrovia Growers  
**Quantity observed:** 2  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Columnar  
**Plant Height:** 11-16 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 8-15 in.  

**Foliage Color:** Light green with some blue  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  

**Comments on plant:** Planted in arboretum in 2003. Appears to have a large canker (or damage by deer in 2008) on one tree which is closing over and almost looks normal. Tree in perennial garden looks very good.
Scientific Name: Pinus strobus
Variety:
Cultivar: Pendula
Family: Pinaceae
Tsnm: 03019
Common Name: Weeping White Pine
Source: J. Frank Schmidt and Son Co
Quantity observed: 2

Tsnum:

Observation Date of Plant: 11/2/2012
Plant Habit: Weeping
Plant Height: 10-16 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Insect Pests: Mealy bugs or wooly aphids
Pest Severity: Slight injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on Plant: Planted in arboretum in 2003. The tree located in the perennial garden seems to have sustained bark feeding by deer during winter of 2006-07 and has a 10-15 inch strip missing. Vigor is very low but second tree looks good.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
**Scientific Name:** Pinus sylvestris  
**Cultivar:** French Blue  
**Family:** Pinaceae  
**Tnum:** 03158  
**Common Name:** French Blue Scotch Pine  
**Source:** Monrovia Growers  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Pyramidal

**Plant Height:** 8-10 ft.

**Plant Width:** 6-8 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Slight blue/green

**Bark Characteristics:** Not very important

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in arboretum in 2004. Nice foliage color. Vandal's damaged central leader and it is slow to recover.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
## 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Colorado State University, Fort Collins, Colorado**

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<thead>
<tr>
<th>Scientific Name:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Glauc Nana</td>
<td>Family:</td>
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<tr>
<td>Common Name:</td>
<td>Scotch Pine</td>
<td>Tsnun:</td>
<td>82174</td>
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<tr>
<td>Source:</td>
<td>Amfac Nurseries California</td>
<td></td>
<td></td>
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<tr>
<td>Quantity observed:</td>
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<td>PI #:</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>11/9/2012</th>
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</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Pyramidal</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>12-18 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>8-12 ft</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>4-6 in.</td>
</tr>
</tbody>
</table>

- **Foliage Color:** Medium green with a shade of blue
- **Bark Characteristics:** Not very important
- **Plant Summer Texture:** Fine
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Specimen

**Overall Plant Health:** Good

**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:** Yes
**Recommended:** Yes
**Comments on plant:** Nice bark color and smaller than most P. sylvestris.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Date of observation:**
**Aesthetics:**
**Persistance:**
**Fall Color:**
Scientific Name: Pinus sylvestris  
Cultivar: Inverleith  
Family: Pinaceae  
Common Name: Inverleith Scotch Pine  
Source: Monrovia Growers  
Quantity observed: 2  
PI #:  
Tsum: 08030

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal or upright oval
Plant Height: 7-10 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Variegated, blue/green needles with light yellow/green tips
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistence:
**Scientific Name:** Pinus tabuliformis  
**Variety:** -0-  
**Family:** Pinaceae  
**Tnum:** 83034  
**Common Name:** Chinese Pine  
**Source:** Minnesota Landscape Arboretum  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Pyramidal  
**Plant Height:** 25-30 ft.  
**Plant Width:** 25-30 ft.  
**Current Seasons Growth:** 10-15 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Pinus tabuliformis  
**Variety:** -0-  
**Family:** Pinaceae  
**Tnum:** 86025

**Cultivar:** -0-  
**Common Name:** Pine

**Source:** Minnesota Landscape Arbore  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 11/2/2012

**Plant Habit:** Pyramidal

**Plant Height:** 25-30 ft.

**Plant Width:** 25-30 ft.

**Current Seasons Growth:** 10-15 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

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<tr>
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</thead>
<tbody>
<tr>
<td>Cultivar: Wate's Golden</td>
<td>Family: Pinaceae</td>
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<tr>
<td>Common Name: Wate's Golden Pine</td>
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<tr>
<td>Source: Monrovia Growers</td>
<td>Quantity observed: 2</td>
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**Observation Date of Plant:** 11/2/2012  
**Plant Habit:** Upright, undefined  
**Plant Height:** 7-10 ft.  
**Plant Width:** 5-9 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  

**Comments on plant:** Planted in 2008. Looks more green than golden by end of season. One plant must have been pulled on by vandals as it is growing at a sharp angle and needs to be staked. Growth habit on both is very open, leggy and not very attractive.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
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<th>Scientific Name:</th>
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<tr>
<td>Plant Habit:</td>
<td>Columnar</td>
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<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
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<tr>
<td>Plant Width:</td>
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<tr>
<td>Current Seasons Growth:</td>
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<tr>
<td>Foliage Color:</td>
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<tr>
<td>Bark Characteristics:</td>
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<tr>
<td>Plant Summer Texture:</td>
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<tr>
<td>Aesthetic Plant Quality:</td>
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<td></td>
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<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
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<tr>
<td>Overall Plant Health:</td>
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</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
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<tr>
<td>Pest Severity:</td>
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<td></td>
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<tr>
<td>Plant Disease:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
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</tr>
<tr>
<td>Comments on plant:</td>
<td>Established in arboretum easily.</td>
<td></td>
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**Observation Date of Flowers:**

| Flower Color: |          |
| Flower Type:  |          |
| Flower Effect:|          |
| % of Flower Coverage: |          |
| Bloom Stage:  |          |
| Fruit Present:|          |
| Comments on Flowers: |          |

| Fall Color or Fruit: | Date of observation: |
| Aesthetics:          | Persistance:          |
| Fall Color:          |                         |
### Platanus x acerifolia

#### Scientific Name: Platanus x acerifolia

**Variety:**

**Tsnum:** 09017

**Cultivar:** Morton Thornhill | **Family:** Platanaceae

**Common Name:** Exclamation Planetree

**Source:** J. Frank Schmidt and Son Co | **Quantity observed:** 1 | **PI #:**

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Upright oval

**Plant Height:** 6-9 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Important

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, large shade tree

**Overall Plant Health:** Excellent

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** n/a

**Comments on plant:** Planted in 2011 - too soon to recommend.

---

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

---

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Tsnum: 06004

Scientific Name: Platanus x acerifoua  Variety:  
Cultivar: Columbia  Family: Platanaceae  
Common Name: Columbia Planetree  
Source: Femrite Nursery Company  Quantity observed: 1  PI #: 

Observation Date of Plant: 10/9/2012  
Plant Habit: Upright oval  
Plant Height: 6-8 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 3-4 ft.  

Foliage Color: Medium green  
Bark Characteristics: Important  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, large shade tree  

Overall Plant Health: Excellent  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Marginal  
Comments on plant: Planted in 2010. Suffered severe storm damage October 2011 which greatly reduced height and appearance.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
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<td>White Poplar</td>
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<td>Source:</td>
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| PI #: | 343437 |

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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
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<tr>
<td>Plant Height:</td>
<td>15-20 ft.</td>
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<tr>
<td>Plant Width:</td>
<td>8-10 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>1-2 ft.</td>
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<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Intermediate importance</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, difficult sites, large shade tree</td>
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<table>
<thead>
<tr>
<th>Overall Plant Health:</th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests:</td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
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<tr>
<td>Nuisances:</td>
<td>Susceptible to storm damage.</td>
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<tr>
<td>Recommended:</td>
<td>Yes</td>
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<tr>
<td>Comments on plant:</td>
<td>Looks good when young but often develops problems later.</td>
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<table>
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<th>Observation Date of Flowers:</th>
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</thead>
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<td>Flower Color:</td>
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<tr>
<td>Flower Type:</td>
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<td>Flower Effect:</td>
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</tr>
<tr>
<td>% of Flower Coverage:</td>
<td></td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td></td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
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<table>
<thead>
<tr>
<th>Date of observation:</th>
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<tbody>
<tr>
<td>Persistance:</td>
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<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
</tr>
<tr>
<td>Fall Color:</td>
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</tbody>
</table>
Scientific Name: Populus alba
Variety: -0-
Cultivar: -0- Family: Salicaceae
Common Name: White Poplar
Source: Jewell Nursery, Inc. Quantity observed: 1 PI #: -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 3-5 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Susceptible to storm damage
Recommended: Marginal
Comments on plant: Cut to ground in 2011 due to leaning and canker but coming back from suckers. Roots also send up unwanted suckers away from main trunk.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color Date of observation: 9/23/2004
Aesthetics: Fair Persistance: 2-4 weeks
Fall Color: yellow
## 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Scientific Name:** Populus angulata x nigra  
**Variety:** -0-  
**Cultivar:** Robusta  
**Family:** Salicaceae  
**Tsunum:** 84200  
**Common Name:** Robusta Poplar  
**Source:** Bailey Nurseries  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 70-80 ft.  
**Plant Width:** 35-45 ft.  
**Current Seasons Growth:** 12-18 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, difficult sites, large shade tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Canker  
**Disease Severity:** Slight injury  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Slight sign of canker on one branch but very good overall. Suffered significant storm damage last October.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/10/2004  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Populus deltoides
Variety: -0-
Cultivar: -0-  Family: Salicaceae
Common Name: Cottonwood
Source: USDA, Glendale, MD
Quantity observed: 1  PI #: -0-

Tsnum: 82221

Observation Date of Plant: 10/1/2012
Plant Habit: Upright oval
Plant Height: 60-70 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 10-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease: Canker, wet wood
Disease Severity: Slight injury
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Less than 5% of crown affected by canker.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 9/23/2004
Aesthetics: Good  Persistance: 2-4 weeks
Fall Color: yellow
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Populus nigra</th>
<th>Variety:</th>
<th>-0-</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Carolina</td>
<td>Family:</td>
<td>Salicaceae</td>
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<tr>
<td>Common Name:</td>
<td>Norway Poplar</td>
<td>Tnum:</td>
<td>93085</td>
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<tr>
<td>Source:</td>
<td>Jewell Nursery, Inc.</td>
<td>Quantity observed:</td>
<td>2</td>
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<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
<td>PI #:</td>
<td>-0-</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>60-70 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>25-40 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>12-18 in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Coarse</td>
<td></td>
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<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, difficult sites</td>
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<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
<td></td>
<td></td>
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<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td>Canker</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td>Slight injury on twigs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Nuisances:</td>
<td>Yes</td>
<td></td>
<td></td>
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<tr>
<td>Recommended:</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>One of two plants became multi-stem from storm damage.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistence:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Populus nigra
Cultivar: Theves
Family: Salicaceae
Tnum: 93109

Variety: -0-

Common Name: Theves Black Poplar
Source: Mount Arbor Nursery
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 10/5/2012

Plant Habit: Columnar
Plant Height: 14-18 ft.
Plant Width: 6 - 10 ft
Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, narrow areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No

Comments on Plant: 2 of 3 plants are dead from cankers and third has died to base. The last one is just alive due to the suckers but coming back from suckers nicely.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Persistance: 
Fall Color: 

PI #: 
Date of observation: 
Page 714 of 1130
**Scientific Name:** Populus simonii  
**Family:** Salicaceae  
**Tnum:** 98036  
**Variety:**  
**Cultivar:**  
**Common Name:** Simon Poplar  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 10/5/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 55-65ft.  
**Plant Width:** 30-40 ft  
**Current Seasons Growth:** 2-3 ft.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shade tree  

**Overall Plant Health:** Good  
**Insect Pests:** Aphids  
**Pest Severity:** Slight injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Attractive leaf shape and color. Tree has regained shape from storm damage.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Date of observation:**  
**Persistance:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Populus tremuloides

**Cultivar:**

**Family:** Salicaceae

**Variety:**

**Tnum:** 09076

**Common Name:** Aspen

**Source:** USDA/NC-7, Ames, IA

**Quantity observed:** 2

**PI #:** Ames 29046

**Observation Date of Plant:** 10/1/2012

**Plant Habit:** Upright oval

**Plant Height:** 9-12 ft.

**Plant Width:** 4-5 ft.

**Current Seasons Growth:** 3-4 ft.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, native planting

**Overall Plant Health:** Excellent

**Insect Pests:** Aphids

**Pest Severity:** Slight injury

**Plant Disease:** Leaf spot

**Disease Severity:** Slight injury

**Cultural Problems:**

**Nuisances:** n/a

**Recommended:** n/a

**Comments on plant:** Planted in 2011 - too soon to recommend. Very large foliage on central leader. Bark is not very white yet.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**

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Page 716 of 1130
Scientific Name: Populus tremuloides  
Variety:  
Cultivar: Kaibab  
Family: Salicaceae  
Tnum: 90120  
Common Name: Kaibab Aspen  
Source: Progressive Plants  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/1/2012  
Plant Habit: Upright oval  
Plant Height: 25-35 ft.  
Plant Width: 12-16 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, native planting  

Overall Plant Health: Good  
Insect Pests: Galls  
Pest Severity: Slight injury  
Plant Disease: Canker - inactive  
Disease Severity: Slight injury  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Canker wound is closing.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/10/2004  
Aesthetics: Good  
Persistace: 1-2 weeks  
Fall Color: yellow
Scientific Name: Populus x  
Cultivar: Brooks No. 6  
Family: Salicaceae  
Common Name: Brooks No. 6 Poplar  
Source: Jewell Nursery, Inc.  
Quantity observed: 2  
Variety: -0-  
Tsnum: 90019  
PI #: -0-  

Observation Date of Plant: 10/1/2012  
Plant Habit: Upright oval  
Plant Height: 50-60 ft.  
Plant Width: 30-40 ft.  
Current Seasons Growth: 6 - 12 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Specimen, difficult sites, large shade tree  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease: Canker  
Disease Severity: Severe one of two trees  
Cultural Problems:  
Nuisances: Marginal  
Recommended: Marginal  
Comments on plant: Regularly defoliates before any of the other Populus due to foliar disease late in season but looks pretty good in late September of 2011 and 2012.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Aesthetics: Good  
Persisting: 1-2 weeks  
Fall Color: yellow  
Date of observation: 10/6/2008
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Populus x</th>
<th>Variety:</th>
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</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Highland</td>
<td>Family:</td>
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<tr>
<td>Common Name:</td>
<td>Highland Poplar</td>
<td>Salicaceae</td>
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<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 1</td>
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<tr>
<td>Tnum:</td>
<td>05016</td>
<td>PI #:</td>
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**Observation Date of Plant:** 10/1/2012

**Plant Habit:** Upright oval

**Plant Height:** 10-14 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 3-4 ft.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, difficult sites, large shade tree

**Overall Plant Health:** Good

**Insect Pests:** Twig galls

**Pest Severity:** Slight injury

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** n/a

**Recommended:**

**Comments on plant:** Planted in 2011 - too soon to recommend.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

- Scientific Name: *Populus x*
- Cultivar: Northwest
- Family: Salicaceae
- Variety: 
- Tsum: 91134
- Common Name: Northwest Poplar
- Source: Bailey Nurseries
- Quantity observed: 1
- PI #: -0-

- Observation Date of Plant: 10/5/2012
- Plant Habit: Upright oval
- Plant Height: 40-50 ft.
- Plant Width: 30-40 ft.
- Current Seasons Growth: 8-15 in

- Foliage Color: Medium green
- Bark Characteristics: Unimportant
- Plant Summer Texture: Coarse
- Aesthetic Plant Quality: Fair
- Landscape Uses: Specimen, difficult sites, large shade tree

- Overall Plant Health: Fair
- Insect Pests: Twig galls, aphids
- Pest Severity: Moderate injury
- Plant Disease: Leaf spot
- Disease Severity: Moderate injury
- Cultural Problems:
- Nuisances: Marginal
- Recommended: Marginal
- Comments on plant: Leaf spot caused entire tree to defoliate before any others in 2004 and 2012 but not as severe in 2006, 2008 or 2010.

- Observation Date of Flowers:
- Flower Color:
- Flower Type:
- Flower Effect:
- % of Flower Coverage:
- Bloom Stage:
- Fruit Present:
- Comments on Flowers:

- Fall Color or Fruit:
- Aesthetics: 
- Date of observation: 
- Persistance: 
- Fall Color:
Scientific Name: Populus x canadensis  
Cultivar: Eugenl Imperial  
Family: Salicaceae  
Variety: -0-  
Tnum: 81198  
Common Name: Imperial Carolina Poplar  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 3  
PI #: -0-  

Observation Date of Plant: 10/1/2012  
Plant Habit: Upright oval  
Plant Height: 60-70 ft.  
Plant Width: 40-50 ft.  
Current Seasons Growth: 12-18 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, difficult sites, large shade tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Has some remnants of storm damage from last October.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Persistance:  
Fall Color:
### Scientific Name: Populus x canadensis

**Variety:** -0-  
**Tsnun:** 86114

### Cultivar: Nor'Easter  
**Family:** Salicaceae

### Common Name: Nor'Easter Cottonwood

### Source: Sherman Nursery  
**Quantity observed:** 1  
**PI #:** -0-

### Observation Date of Plant: 10/1/2012

### Plant Habit: Upright oval

### Plant Height: 60-70 ft.

### Plant Width: 40-50 ft.

### Current Seasons Growth: 1-2 ft.

### Foliage Color: Medium green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Specimen, difficult sites, large shade tree

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease: Canker

### Disease Severity: Slight injury

### Cultural Problems:

### Nuisances: Yes

### Recommended: Yes

### Comments on plant:

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Aesthetics:

### Date of observation:

### Persistance:

### Fall Color:
<table>
<thead>
<tr>
<th>Scientific Name: Potentilla</th>
<th>Variety:</th>
</tr>
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<tbody>
<tr>
<td>Cultivar: Pink Beauty</td>
<td>Family: Rosaceae</td>
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<tr>
<td>Common Name: Pink Beauty Potentilla</td>
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<td>Source: Bailey Nurseries</td>
<td>Quantity observed: 2</td>
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<td>Tnum: 03151</td>
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</table>

**Observation Date of Plant:** 8/30/2011
**Plant Habit:** Broad oval
**Plant Height:** 2 - 3 ft.
**Plant Width:** 3-5 ft.
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Not very important
**Plant Summer Texture:** Fine
**Aesthetic Plant Quality:** Fair
**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Fair
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:** Too much shade.
**Nuisances:**
**Recommended:** Yes
**Comments on plant:** Young plants have leggy growth. Vigor is low but may be in too much shade.

**Observation Date of Flowers:** 7/6/2011
**Flower Color:** Light Pink
**Flower Type:** Single
**Flower Effect:** Poor
**% of Flower Coverage:** 0-25%
**Bloom Stage:** Flowers open
**Fruit Present:**
**Comments on Flowers:** Few flowers due to too much shade.

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:** Date of observation:
**Persistance:**

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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Potentilla fruticosa</th>
<th>Variety:</th>
<th>Tnum: 82101</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Abbotswood</td>
<td>Family:</td>
<td>Rosaceae</td>
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<tr>
<td>Common Name:</td>
<td>Abbotswood Cinquefoil</td>
<td>Quantity observed:</td>
<td>2</td>
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<tr>
<td>Source:</td>
<td>Cross Nurseries Inc.</td>
<td>PI #:</td>
<td>-0-</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 8/30/2011

**Plant Habit:** Broad oval

**Plant Height:** 3-4.5 ft.

**Plant Width:** 4-6 ft

**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Not very important

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Rejuvenated in 2008.

---

**Observation Date of Flowers:** 7/6/2011

**Flower Color:** White

**Flower Type:** Single

**Flower Effect:** Good

**% of Flower Coverage:** 50-70%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

---

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Potentilla fruticosa</th>
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<tbody>
<tr>
<td>Cultivar: Buttercup</td>
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<td>Common Name: Buttercup Cinquefoil</td>
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<td>Source: Skinner Wholesale Nursery I</td>
<td>Quantity observed: 1</td>
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<table>
<thead>
<tr>
<th>Observation Date of Flower: 7/6/2011</th>
<th>Flower Color: Yellow</th>
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<tbody>
<tr>
<td>Flower Type: Single</td>
<td>Flower Effect: Good</td>
</tr>
<tr>
<td>% of Flower Coverage: 50-70%</td>
<td>Bloom Stage: Flowers open</td>
</tr>
<tr>
<td>Fruit Present:</td>
<td>Comments on Flowers:</td>
</tr>
<tr>
<td>Fall Color or Fruit:</td>
<td>Date of observation:</td>
</tr>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
</tr>
</tbody>
</table>

Observation Date of Plant: 8/30/2011  
Plant Habit: Broad oval  
Plant Height: 4-5 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, xeriscape, shrub border  
Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
<table>
<thead>
<tr>
<th>Scientific Name: Potentilla fruticosa</th>
<th>Variety: -0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Catherine Dykes</td>
<td>Family: Rosaceae</td>
</tr>
<tr>
<td>Common Name: Katherine Dykes Cinquefoil</td>
<td></td>
</tr>
<tr>
<td>Source: Unknown</td>
<td>Tsnm: 78131</td>
</tr>
<tr>
<td>Quantity observed: 2</td>
<td>PI #: -0-</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 8/30/2011

**Plant Habit:** Broad oval

**Plant Height:** 2-4 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Not very important

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Fair to good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes

**Comments on plant:** Rejuvenated in 2008. Growth habit is less uniform than the best. About 15% of plants have moderate chlorosis.

**Observation Date of Flowers:** 7/6/2011

**Flower Color:** Cream

**Flower Type:** Single

**Flower Effect:** Good

**% of Flower Coverage:** 76-100%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** A big flush of color in June but less than P. 'McKay White' in July.

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
**Scientific Name:** Potentilla fruticosa  
**Cultivar:** Coronation Triumph  
**Family:** Rosaceae  
**Common Name:** Coronation Triumph Cinquefoil  
**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**Tsun:** 81153  
**PI #:** -0-

**Observation Date of Plant:** 8/30/2011  
**Plant Habit:** Round  
**Plant Height:** 3-5 ft.  
**Plant Width:** 4-6 ft  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Rejuvenated in February 2007. Growth habit is a little leggy.

**Observation Date of Flowers:** 7/6/2011  
**Flower Color:** Yellow  
**Flower Type:** Single  
**Flower Effect:** Good  
**% of Flower Coverage:** 40-60%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistan:**
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<td>Dakota Sunrise</td>
<td>Family:</td>
<td>Rosaceae</td>
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<tr>
<td>Common Name:</td>
<td>Dakota Sunrise Cinquefoil</td>
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<td>Source:</td>
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<th>Observation Date of Plant:</th>
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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>2-3 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>2-3.5 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>2-5 in.</td>
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<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium green</th>
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<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
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<tr>
<td>Plant Summer Texture:</td>
<td>Fine</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Poor</td>
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<tr>
<td>Landscape Uses:</td>
<td>Specimen, xeriscape, shrub border</td>
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<table>
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<tr>
<th>Overall Plant Health:</th>
<th>Poor</th>
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<tbody>
<tr>
<td>Insect Pests:</td>
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<tr>
<td>Pest Severity:</td>
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<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
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<tr>
<td>Cultural Problems:</td>
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<tr>
<td>Nuisances:</td>
<td>No</td>
</tr>
<tr>
<td>Recommended:</td>
<td></td>
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<tr>
<td>Comments on plant:</td>
<td>Rejuvenated in February 2007 and is slow to recover. Entire plant is very chlorotic.</td>
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<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>7/6/2011</th>
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</thead>
<tbody>
<tr>
<td>Flower Color:</td>
<td>Light Yellow</td>
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<tr>
<td>Flower Type:</td>
<td>Single</td>
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<tr>
<td>Flower Effect:</td>
<td>Fair</td>
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<tr>
<td>% of Flower Coverage:</td>
<td>25-40%</td>
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<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
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<td>Fruit Present:</td>
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<td>Comments on Flowers:</td>
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<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
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<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
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<tr>
<td>Fall Color:</td>
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</table>
### Scientific Name:
- Potentilla fruticosa

### Cultivar:
- Goldfinger

### Family:
- Rosaceae

### Variety:
- -0-

### Common Name:
- Goldfinger Cinquefoil

### Source:
- Forrest Keeling Nursery

### Quantity observed:
- 3

### Tsnum:
- 85110

### PI #:
- -0-

### Observation Date of Plant:
- 8/30/2011

### Plant Habit:
- Round to broad oval

### Plant Height:
- 4 - 4.5 ft.

### Plant Width:
- 5-7 ft

### Current Seasons Growth:
- 6 - 12 in.

### Foliage Color:
- Medium green

### Bark Characteristics:
- Unimportant

### Plant Summer Texture:
- Fine

### Aesthetic Plant Quality:
- Good

### Landscape Uses:
- Specimen, xeriscape, shrub border

### Overall Plant Health:
- Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended:
- Yes

### Comments on plant:
- Two of three rejuvenated in February 2007. All have minor chlorosis.

### Observation Date of Flowers:
- 7/6/2011

### Flower Color:
- Yellow

### Flower Type:
- Single

### Flower Effect:
- Good

### % of Flower Coverage:
- 51-75%

### Bloom Stage:
- Flowers open

### Fruit Present:

### Comments on Flowers:
- Relatively larger petals.
Scientific Name: Potentilla fruticosa
Cultivar: Hurstborne
Family: Rosaceae
Common Name: Hurstborne Cinquefoil
Source: Sherman Nursery
Quantity observed: 2

Observation Date of Plant: 8/30/2011
Plant Habit: Round
Plant Height: 3-4.5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: Yes
Recommended: Yes
Comments on plant: Rejuvenated in February 2007. Foliage and flowers are smaller and finer than most potentillas.

Observation Date of Flowers: 7/6/2011
Flower Color: Yellow
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 50-70%
Bloom Stage: Flowers open
Fruit Present: 
Comments on Flowers: Smaller flowers but a lot of them.

Fall Color or Fruit: 
Aesthetics: 
Fall Color:
Scientific Name: Potentilla fruticosa  
Cultivar: Jackmanii  
Family: Rosaceae  
Common Name: Jackman Cinquefoil  
Source: Unknown  
Quantity observed: 1  
PI #: -0-  
Tsnm: 78132  

Observation Date of Plant: 8/30/2011  
Plant Habit: Broad oval  
Plant Height: 3-4 ft.  
Plant Width: 5-7 ft  
Current Seasons Growth: 6 - 12 in.  

Foliage Color: Medium green  
Bark Characteristics: Not very important  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, xeriscape, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  

Observation Date of Flowers: 7/6/2011  
Flower Color: Yellow  
Flower Type: Single  
Flower Effect: Good  
% of Flower Coverage: 76-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
### Scientific Name: Potentilla fruticosa  
### Cultivar: Klondike  
### Family: Rosaceae  
### Common Name: Klondike Cinquefoil  
### Source: Forrest Keeling Nursery  
### Quantity observed: 3  

---

**Scientific Name:** Potentilla fruticosa  
**Variety:** -0-  
**Tnum:** 85111  
**Cultivar:** Klondike  
**Family:** Rosaceae  
**Common Name:** Klondike Cinquefoil  
**Source:** Forrest Keeling Nursery  
**Quantity observed:** 3  

---

**Observation Date of Plant:** 8/30/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 3-4 ft.  
**Plant Width:** 4-7 ft.  
**Current Seasons Growth:** 10-15 in.  

---

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, xeriscape, shrub border  

---

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Rejuvenated February 2007 but one of three is slow to regain vigor. All three have minor to moderate chlorosis.

---

**Observation Date of Flowers:** 7/6/2011  
**Flower Color:** Yellow  
**Flower Type:** Single  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 50-70%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Tiny flowers but a lot of them.

---

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Potentilla fruticosa</th>
<th>Variety:</th>
<th>Tsnum:</th>
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</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Kobalt</td>
<td>Family:</td>
<td>Rosaceae</td>
<td></td>
</tr>
<tr>
<td>Common Name:</td>
<td>Kobalt Cinquefoil</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Source:</td>
<td>Oregon Garden Products</td>
<td>Quantity observed:</td>
<td>1</td>
<td></td>
</tr>
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</table>

**Observation Date of Plant:** 8/30/2011
**Plant Habit:** Round
**Plant Height:** 2.5-3.5 ft.
**Plant Width:** 3-4 ft.
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Not very important
**Plant Summer Texture:** Fine
**Aesthetic Plant Quality:** Good
**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Good
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Yes

**Comments on plant:** Rejuvenated in 2008. Slightly chlorotic. Nice, uniform growth habit.

**Observation Date of Flowers:** 7/6/2011
**Flower Color:** Yellow
**Flower Type:** Single
**Flower Effect:** Good
**% of Flower Coverage:** 76-100%
**Bloom Stage:** Flowers open
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:**
**Date of observation:**
**Persistence:**
### Scientific Name: Potentilla fruticosa  
#### Variety: -0-  
#### Tsnum: 84118  
#### Family: Rosaceae  
#### Source: Sherman Nursery  
#### Quantity observed: 1  
#### PI #: -0-

#### Observation Date of Plant: 8/30/2011  
#### Plant Habit: Broad oval  
#### Plant Height: 1-2 ft.  
#### Plant Width: 3-4 ft.  
#### Current Seasons Growth: 3-5 in.

#### Foliage Color: Medium green  
#### Bark Characteristics: Not very important  
#### Plant Summer Texture: Fine  
#### Aesthetic Plant Quality: Fair  
#### Landscape Uses: Specimen, xeriscape, shrub border  

#### Overall Plant Health: Fair  
#### Insect Pests:  
#### Pest Severity:  
#### Plant Disease:  
#### Disease Severity:  
#### Cultural Problems:  
#### Nuisances: Marginal  
#### Recommended: Marginal  
#### Comments on plant: Rejuvenated in early 2009. Entire plant is moderately chlorotic.

#### Observation Date of Flowers: 7/6/2011  
#### Flower Color: Yellow  
#### Flower Type: Single  
#### Flower Effect: Poor  
#### % of Flower Coverage: 10-20%  
#### Bloom Stage: Flowers open  
#### Fruit Present:  
#### Comments on Flowers:  

#### Fall Color or Fruit:  
#### Date of observation:  
#### Aesthetics:  
#### Persistance:  
#### Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Potentilla fruticosa  Variety: -0-
Cultivar: McKay White  Family: Rosaceae  Tsnum: 90016
Common Name: McKay White Potentilla
Source: Jewell Nursery, Inc.  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 8/30/2011
Plant Habit: Round
Plant Height: 3-4 ft.
Plant Width: 3.5-4.5 ft.
Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Rejuvenated in 2008 and slow to regain vigor but looks good in 2011.

Observation Date of Flowers: 7/6/2011
Flower Color: White
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  Date of observation:
Aesthetics: Persistance:
Fall Color:
### Scientific Name: Potentilla fruticosa
### Variety: -0-
### Cultivar: Mt. Everest  
### Family: Rosaceae  
### Tnum: 84125  
### Common Name: Mt. Everest Cinquefoil  
### Source: Jewell Nursery, Inc.
### Quantity observed: 2  
### PI #: -0-

#### Observation Date of Plant: 8/30/2011
#### Plant Habit: Round
#### Plant Height: 2-4 ft.
#### Plant Width: 3-5 ft.
#### Current Seasons Growth: 4-8 in.

- **Foliage Color:** Medium green
- **Bark Characteristics:** Not very important
- **Plant Summer Texture:** Fine
- **Aesthetic Plant Quality:** Fair to poor
- **Landscape Uses:** Specimen, xeriscape, shrub border

- **Overall Plant Health:** Fair to poor
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:**
- **Recommended:** Marginal
- **Comments on plant:** Rejuvenated in 2008 and slow to regain vigor. Both have moderate chlorosis.

#### Observation Date of Flowers: 7/6/2011
#### Flower Color: White
#### Flower Type: Single
#### Flower Effect: Fair
#### % of Flower Coverage: 25-50%
#### Bloom Stage: Flowers open
#### Fruit Present:
#### Comments on Flowers:

#### Fall Color or Fruit:  
#### Aesthetics: Date of observation:  
#### Fall Color: Persistance:
Scientific Name: Potentilla fruticosa  
Variety: -0-  
Tsnum: 83208  

Cultivar: Primrose Beauty  
Family: Rosaceae  

Common Name: Primrose Beauty Cinquefoil  

Source: Monrovia Growers  
Quantity observed: 1  

PI #: -0-  

Observation Date of Plant: 8/30/2011  
Plant Habit: Round  
Plant Height: 3-5 ft.  
Plant Width: 3-4 ft.  
Current Seasons Growth: 6 - 12 in.  

Foliage Color: Medium green  
Bark Characteristics: Not very important  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, xeriscape, shrub border  
Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Rejuvenated February 2007. Growth habit is a little leggy.  

Observation Date of Flowers: 7/6/2011  
Flower Color: Light yellow/cream  
Flower Type: Single  
Flower Effect: Good  
% of Flower Coverage: 51-75%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Date of observation:  
Persistence:  
Fall Color:
### Scientific Name: Potentilla fruticosa  
**Variety:** -0-  
**Cultivar:** Purdoni  
**Family:** Rosaceae  
**Tnum:** 81317  
**Common Name:** Purdoni Cinquefoil  
**Source:** USDA, Cheyenne  
**Quantity observed:** 1  
**PI #:** -0-

### Observation Date of Plant: 8/30/2011

**Plant Habit:** Broad oval  
**Plant Height:** 3-4.5 ft.  
**Plant Width:** 6-8 ft  
**Current Seasons Growth:** 12-24 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, xeriscape, shrub border  

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Rejuvenated February 2007. Half of plant has mild chlorosis.

### Observation Date of Flowers: 7/6/2011

**Flower Color:** Light Yellow  
**Flower Type:** Single  
**Flower Effect:** Good  
**% of Flower Coverage:** 60-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

### Dates:

- **Date of observation:**
- **Persistance:**
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<td>Common Name:</td>
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<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed:</td>
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**Observation Date of Plant:** 8/30/2011
**Plant Habit:** Round
**Plant Height:** 3-4 ft.
**Plant Width:** 4-5 ft.
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Not very important
**Plant Summer Texture:** Fine
**Aesthetic Plant Quality:** Good
**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Good
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Yes
**Comments on plant:** Rejuvenated in 2008. Growth habit is very uniform and compact.

**Observation Date of Flowers:** 7/6/2011
**Flower Color:** Yellow
**Flower Type:** Single
**Flower Effect:** Good
**% of Flower Coverage:** 51-75%
**Bloom Stage:** Flowers open
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:**
**Date of observation:**
**Persistance:**
**Scientific Name:** Potentilla fruticosa  
**Cultivar:** UMAN  
**Family:** Rosaceae  
**Tsun:** 03124  
**Common Name:** Mango Tango Potentilla  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**PI #:**  

**Observation Date of Plant:** 8/30/2011  
**Plant Habit:** Broad oval to round  
**Plant Height:** 2.5-3.5 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 6 - 12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2004. Both have minor chlorosis. May have more flowers in a sunnier location.  

**Observation Date of Flowers:** 7/6/2011  
**Flower Color:** Yellow with orange splotches  
**Flower Type:** Single  
**Flower Effect:** Good  
**% of Flower Coverage:** 40-50%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  

**Date of observation:**  
**Persistance:**
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<tr>
<td>Common Name:</td>
<td>Vetch Cinquefoil</td>
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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval to round</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>3 -4.5ft.</td>
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<tr>
<td>Plant Width:</td>
<td>4-5 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-12 in.</td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
</tr>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Fine</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, xeriscape, shrub border</td>
</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
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<td>Cultural Problems:</td>
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<tr>
<td>Nuisances:</td>
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<td>Recommended:</td>
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<th>Observation Date of Flowers:</th>
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<td>Flower Color:</td>
<td>Yellow</td>
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<td>Flower Effect:</td>
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<tr>
<td>% of Flower Coverage:</td>
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<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
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<tr>
<td>Fruit Present:</td>
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<td>Comments on Flowers:</td>
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| Fall Color or Fruit:        |           |
| Aesthetics:                 |           |
| Fall Color:                 |           |

Date of observation:  
Persistence:  

Page 741 of 1130
**Scientific Name:** Potentilla fruticosa  
**Variety:**  
**Cultivar:** Yellow Bird  
**Family:** Rosaceae  
**Tsun:** 94014  
**Common Name:** Yellow Bird Potentilla  
**Source:** Sherman Nursery  
**Quantity observed:** 2  

**Observation Date of Plant:** 8/30/2011  
**Plant Habit:** Broad oval to round  
**Plant Height:** 3 - 5 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 12-18 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, xeriscape, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Both look good and have good vigor.  

**Observation Date of Flowers:** 7/6/2011  
**Flower Color:** Yellow  
**Flower Type:** Single  
**Flower Effect:** Good  
**% of Flower Coverage:** 51-75%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Relatively large flowers compared to most Potentillas.  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Potentilla futicosa
Cultivar: Monsidh
Family: Rosaceae
Tsnum: 08144

Common Name: Frosty Potentilla
Source: Monrovia Growers
Quantity observed: 1

Observation Date of Plant: 8/30/2011
Plant Habit: Young, undefined
Plant Height: 10-15 in.
Plant Width: 12-18 in.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium Green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: No
Recommended: No
Comments on plant: Planted late in 2008 and slow to establish. 75% of plant is chlorotic and stunted but the rest has good vigor.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
**Scientific Name:** Prinsepia uniflora
**Variety:** serrata
**Cultivar:** -0-
**Family:** Rosaceae
**Tnum:** 81293
**Common Name:** Hedge Prinsepia
**Source:** Denver Botanic Gardens
**Quantity observed:** 2
**PI #:** PN266

**Observation Date of Plant:** 9/26/2011
**Plant Habit:** Round to broad oval
**Plant Height:** 5 - 6 ft.
**Plant Width:** 6-10 ft.
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Not very important
**Plant Summer Texture:** Medium
**Aesthetic Plant Quality:** Fair
**Landscape Uses:** Specimen, shrub border, barrier plant

**Overall Plant Health:** Good
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Marginal
**Comments on plant:** Growth habit is not uniform probably because it seems to be colonizing the area by seedlings or suckers.

**Observation Date of Flowers:**
**Flower Color:** Yellow
**Flower Type:** Cluster
**Flower Effect:** Good to fair
**% of Flower Coverage:** 40-60%
**Bloom Stage:** Flowers open
**Fruit Present:**
**Comments on Flowers:** Mild, pleasing fragrance. Flowering date lost due to software problem.

**Fall Color or Fruit:** Fall color
**Date of observation:** 10/9/2003
**Aesthetics:** Good
**Persistance:** 1-2 weeks
**Fall Color:** yellow
### Scientific Name: Prunus

**Cultivar:** Accolade  
**Family:** Rosaceae  
**Common Name:** Accolade Flowering Cherry  
**Source:** Carlton Plants  
**Quantity observed:** 1  
**Tnum:** 99041

### Plant Information

**Scientific Name:** Prunus  
**Cultivar:** Accolade  
**Family:** Rosaceae  
**Common Name:** Accolade Flowering Cherry  
**Source:** Carlton Plants  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Vase  
**Plant Height:** 7-12 ft.  
**Plant Width:** 10-15 ft.  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen, small/confined areas

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Canker on trunk  
**Disease Severity:** Moderate injury  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Has a large canker or sun scald on trunk but otherwise looks good. One of the most consistent bloomers and VERY showy.

**Observation Date of Flowers:** 4/21/2006  
**Flower Color:** Lt. pink  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 70-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Flowers are relatively large and showy.
**Scientific Name:** Prunus  
**Cultivar:** Cripoizam  
**Family:** Rosaceae  
**Tnum:** 07025  
**Common Name:** Crimson Pointe Flowering Plum  
**Source:** Femrite Nursery Company  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval to vase.  
**Plant Height:** 10-15 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Dark red  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2009. Looks a little leggy.

**Observation Date of Flowers:** 3/28/2012  
**Flower Color:** White with a hint of pink.  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
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<thead>
<tr>
<th>Scientific Name:</th>
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<th>Variety:</th>
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<td>Cultivar:</td>
<td>Snow Goose</td>
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<td>Common Name:</td>
<td>Snow Goose Flowering Cherry</td>
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<td>Carlton Plants</td>
<td>Quantity observed: 1</td>
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<td>tsnum:</td>
<td>04005</td>
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<td>Observation Date of Plant:</td>
<td>10/9/2012</td>
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<tr>
<td>Plant Habit:</td>
<td>Vase</td>
<td></td>
</tr>
<tr>
<td>Plant Height:</td>
<td>7-9 ft.</td>
<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>6-9 ft.</td>
<td></td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>4-6 in.</td>
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<tr>
<td>Foliage Color:</td>
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<tr>
<td>Bark Characteristics:</td>
<td>Intermediate importance</td>
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<td>Plant Summer Texture:</td>
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<td>Pest Severity:</td>
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<tr>
<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
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<td>Cultural Problems:</td>
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<tr>
<td>Recommended:</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Comments on plant:</td>
<td></td>
<td></td>
</tr>
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</table>

| Observation Date of Flowers: | 4/21/2006 |
| Flower Color: | White |
| Flower Type: | Cluster |
| Flower Effect: | Excellent |
| % of Flower Coverage: | 90-100% |
| Bloom Stage: | Flowers open |
| Fruit Present: | |
| Comments on Flowers: | Should be very showy as it matures. |

| Fall Color or Fruit: | Date of observation: |
| Aesthetics: | Persistance: |
| Fall Color: | |
### Scientific Name: Prunus armeniaca
### Variety: mandshurica
### Cultivar: -
### Family: Rosaceae
### Common Name: Manchurian Apricot
### Source: Denver Botanic Gardens
### Quantity observed: 1
### Tsnnum: 81301
### PI #: PN1205

### Observation Date of Plant: 10/10/2011
### Plant Habit: Upright oval
### Plant Height: 6-8 ft.
### Plant Width: 6-8 ft.
### Current Seasons Growth: 3-6 in.

### Foliage Color: Medium green
### Bark Characteristics: Unimportant
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Fair
### Landscape Uses: Specimen, shrub border

### Overall Plant Health: Fair
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems:
### Nuisances: Yes
### Recommended: Yes
### Comments on Plant: Plant vigor is low probably due to too much shade from nearby tree but doing better than past years.

### Observation Date of Flowers: 4/5/2006
### Flower Color: Pink
### Flower Type: single
### Flower Effect: Fair to good
### % of Flower Coverage: 40-50%
### Bloom Stage: Flowers open
### Fruit Present:
### Comments on Flowers:

### Fall Color or Fruit:
### Date of observation:
### Aesthetics:
### Persistance:
### Fall Color:
Scientific Name: Prunus armeniaca  
Variety: -0-  
Family: Rosaceae  
Tsnum: 78133

Cultivar: -0-  
Common Name: Apricot

Source: Unknown  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 9/28/2011

Plant Habit: Broad oval  
Plant Height: 15 - 20 ft.

Plant Width: 30-35 ft.  
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green  
Bark Characteristics: Unimportant

Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good

Landscape Uses: Specimen, under power lines

Overall Plant Health: Good  
Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Makes a nice tree even if the fruit gets frozen.

Observation Date of Flowers: 4/5/2006

Flower Color: White  
Flower Type: Cluster

Flower Effect: Good  
% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Impressive sweet fragrance in a breeze.

Fall Color or Fruit: Fall color  
Date of observation: 10/28/2008

Aesthetics: Excellent  
Persistance: 1-3 weeks

Fall Color: yellow
**Scientific Name:** Prunus besseyi (grafted)  
**Variety:**  
**Cultivar:** Pawnee Buttes  
**Family:** Rosaceae  
**Tsnum:** 09081  
**Common Name:** Pawnee Buttes Sandcherry TREE FORM  
**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Broad oval  
**Plant Height:** 5-6 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 5-10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2010. Established with no problem.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**  

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Prunus bessyi
Variety:
Cultivar: Prostrata  Family: Rosaceae
Common Name: Creeping Western Sandcherry
Source: Fort Collins Nursery  Quantity observed: 3  PI #:

Tnum: 97251

Observation Date of Plant: 10/21/2011
Plant Habit: Spreading
Plant Height: 1 - 1.5 ft.
Plant Width: 3 - 6 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/29/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/9/2003
Aesthetics: Good  Persistance: 1-2 weeks
Fall Color: dark red, orange
**Scientific Name:** Prunus cerasifera  
**Variety:** n/a  
**Cultivar:** Cripoizam  
**Family:** Rosaceae  
**Tnum:** 08012  
**Common Name:** Crimson Pointe Plum  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Columnar  
**Plant Height:** 7-9 ft.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Dark red  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** Planted in 2011 - too soon to recommend.

**Observation Date of Flowers:** 3/27/2012  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**  
**Persistance:**
### Prunus cerasifera 'Newport'

**Scientific Name:** Prunus cerasifera  
**Family:** Rosaceae  
**Cultivar:** Newport  
**Common Name:** Kankakee Newport Plum  
**Source:** A. McGill & Son Nursery  
**Quantity observed:** 2  
**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Broad oval to round  
**Plant Height:** 9-12 ft.  
**Plant Width:** 15-20 ft  
**Current Seasons Growth:** 3-6 in.  
**Foliage Color:** Red  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, small/confined areas  
**Overall Plant Health:** Poor to fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Moved Spring of 2003 due to unavoidable construction. Has a lot of suckers. Seems to be in decline.

**Observation Date of Flowers:** 4/21/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 90-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:** no  
**Comments on Flowers:** Has a maroon eye.

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/16/2003  
**Aesthetics:** Fair  
**Persistace:** 1-2 weeks  
**Fall Color:** burnt red, dark red
<table>
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<td>-0-</td>
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<td>Common Name:</td>
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**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 55-65 ft.  
**Plant Width:** 40-50 ft.  
**Current Seasons Growth:** 8 - 12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Excellent  
**Landscape Uses:** Wildlife, specimen, large shade tree  

**Overall Plant Health:** Excellent  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Very attractive gray and red bark. One of the few Prunus not to have ever had major storm damage.

**Observation Date of Flowers:** 4/21/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 90-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:** no  
**Comments on Flowers:** Very showy.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

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<tr>
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<td>-0-</td>
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<td>Tnum:</td>
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<td>Forrest Keeling Nursery</td>
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Observation Date of Plant: 10/10/2011  
Plant Habit: Round to broad oval  
Plant Height: 30-40 ft.  
Plant Width: 40-50 ft.  
Current Seasons Growth: 8-14 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shade tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Never seems to have any significant problems.

Observation Date of Flowers: 4/21/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 90-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistence:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

Scientific Name: Prunus mexicana  
Family: Rosaceae  
Tnum: 03142  
Variety:  
Cultivar:  
Common Name: Big-Tree Plum  
Source: Texas  
Quantity observed: 1

Observation Date of Plant: 10/10/2011  
PI #:  

Plant Habit: Broad oval, spreading  
Plant Height: 1-2 ft.  
Plant Width: 2-3 ft.  
Current Seasons Growth: 6-10 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Poor  
Landscape Uses: Wildlife, specimen, shrub border  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: No  
Recommended: No  
Comments on plant: Lacks vigor and looks leggy.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

Page 756 of 1130
Scientific Name: Prunus nigra  
Variety:  
Cultivar: Princess Kay  
Family: Rosaceae  
Tsnum: 10144  
Common Name: Princess Kay Plum  
Source: Garden and Home Show  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/10/2011  
Plant Habit: Upright oval  
Plant Height: 6-8 ft.  
Plant Width: 3-5 ft.  
Current Seasons Growth: 4-8 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, small/confined areas  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Moderate suckering  
Recommended: n/a  
Comments on plant: Planted in 2011 - too soon to recommend.  

Observation Date of Flowers: 4/2/2012  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 60-70%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers: Recently planted and is impacting flowering.  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
**Prunus nigra**

**Variety:** -0-

**Family:** Rosaceae

**Common Name:** Princess Kay Canada Plum

**Source:** Bailey Nurseries

**Quantity observed:** 1

**PI #:** -0-

**Scientific Name:** Prunus nigra

**Tsnum:** 88139

**Cultivar:** Princess Kay

**Observation Date of Plant:** 7/25/2011

**Plant Habit:** Irregular due to dieback

**Plant Height:** 10 - 15 ft.

**Plant Width:** 15 - 20 ft.

**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair to poor

**Landscape Uses:** Specimen, small/confined areas

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Suckers

**Recommended:** Marginal

**Comments on plant:** Growth habit deformed by snow. Moderate suckering. Second tree looks fair. Not a long term tree but fantastic when young.

**Observation Date of Flowers:** 4/15/2006

**Flower Color:** White

**Flower Type:** Cluster

**Flower Effect:** Excellent

**% of Flower Coverage:** 90-100%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Beautiful tufts of double flowers. Fades to pink as it matures.

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/6/2008

**Aesthetics:** Excellent

**Persistence:** 1-2 weeks

**Fall Color:** purple, orange, red

**Observation Date of Flowers:**

**Flower Color:** White

**Flower Type:** Cluster

**Flower Effect:** Excellent

**% of Flower Coverage:** 90-100%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Beautiful tufts of double flowers. Fades to pink as it matures.

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/6/2008

**Aesthetics:** Excellent

**Persistence:** 1-2 weeks

**Fall Color:** purple, orange, red
Scientific Name: Prunus padus
Cultivar: -0-
Family: Rosaceae
Common Name: Mayday Tree
Source: Jewell Nursery, Inc.
Quantity observed: 1
Tsun: 82097

Variety: commutata

Observation Date of Plant: 10/10/2011
Plant Habit: Upright oval, round
Plant Height: 18-24 ft.
Plant Width: 20 - 25 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Suckers profusely
Recommended: Yes

Observation Date of Flowers: 5/2/2006

Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 10/1/2005
Aesthetics: Good
Persistance: 1-2 weeks
Fall Color: yellow, purple/red

Comments on Flowers:
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Prunus padus</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Berg Redleaf</td>
<td>Family:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Redleaf May Day Tree</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PI #:</td>
</tr>
<tr>
<td>Tnum:</td>
<td>07031</td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Upright oval

**Plant Height:** 8-12 ft.

**Plant Width:** 5-8 ft.

**Current Seasons Growth:** 6-10 in.

**Foliage Color:** Dark red

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Wildlife, specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in 2009. Suckering is moderate one of two trees.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
### Scientific Name: Prunus padus
**Variety:**
**Cultivar:** Drietree  **Family:** Rosaceae  **Tnum:** 04034
**Common Name:** Merlot Bird Cherry  **Source:** J. Frank Schmidt and Son Co  **Quantity observed:** 1  **PI #:**

### Observation Date of Plant: 10/9/2012
### Plant Habit: Vase
### Plant Height: 6-9 ft.
### Plant Width: 6-9 ft.
### Current Seasons Growth: 6-12 in

### Foliage Color: Dark purple
### Bark Characteristics: Unimportant
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Fair
### Landscape Uses: Wildlife, specimen

### Overall Plant Health: Fair
### Insect Pests:
### Pest Severity:
### Plant Disease: Canker
### Disease Severity: Severe injury
### Cultural Problems:
### Nuisances: Marginal

**Recommended:** Marginal

**Comments on plant:** Just planted in 2008. Half of tree appears to be struggling with borers or a canker on trunk.

### Observation Date of Flowers:
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

### Fall Color or Fruit:
**Aesthetics:**
**Fall Color:**
<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Prunus padus</th>
<th><strong>Variety:</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>DTR 117</td>
<td><strong>Family:</strong></td>
<td>Rosaceae</td>
</tr>
<tr>
<td><strong>Common Name:</strong></td>
<td>Summer Glow Bird Cherry</td>
<td><strong>Tsnm:</strong></td>
<td>02046</td>
</tr>
<tr>
<td><strong>Source:</strong></td>
<td>J. Frank Schmidt and Son Co</td>
<td><strong>Quantity observed:</strong></td>
<td>1</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>10/10/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Upright oval to irregular</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>10-14 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>8-12 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>12-24 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Foliage Color:</strong></th>
<th>Dark red</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bark Characteristics:</strong></td>
<td>Intermediate importance</td>
</tr>
<tr>
<td><strong>Plant Summer Texture:</strong></td>
<td>Medium</td>
</tr>
<tr>
<td><strong>Aesthetic Plant Quality:</strong></td>
<td>Fair</td>
</tr>
<tr>
<td><strong>Landscape Uses:</strong></td>
<td>Wildlife, specimen</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Overall Plant Health:</strong></th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Insect Pests:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Pest Severity:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Plant Disease:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Disease Severity:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Cultural Problems:</strong></td>
<td>Many suckers</td>
</tr>
<tr>
<td><strong>Nuisances:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Recommended:</strong></td>
<td>Marginal</td>
</tr>
</tbody>
</table>

| **Comments on plant:** | Planted in 2004. Has a large bend in the trunk about halfway up so it appears to have a strange growth habit. |

<table>
<thead>
<tr>
<th><strong>Observation Date of Flowers:</strong></th>
<th>4/26/2006</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flower Color:</strong></td>
<td>White</td>
</tr>
<tr>
<td><strong>Flower Type:</strong></td>
<td>Cluster</td>
</tr>
<tr>
<td><strong>Flower Effect:</strong></td>
<td>Good</td>
</tr>
<tr>
<td><strong>% of Flower Coverage:</strong></td>
<td>50-70%</td>
</tr>
<tr>
<td><strong>Bloom Stage:</strong></td>
<td>Flowers open</td>
</tr>
<tr>
<td><strong>Fruit Present:</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Fall Color or Fruit:</strong></th>
<th>Fall color</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aesthetics:</strong></td>
<td>Good</td>
</tr>
<tr>
<td><strong>Fall Color:</strong></td>
<td>Dark purple</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>Date of observation:</strong></th>
<th>10/6/2008</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Persistance:</strong></td>
<td>1-2 weeks</td>
</tr>
</tbody>
</table>
**Scientific Name:** Prunus padus  
**Cultivar:** DTR 117  
**Family:** Rosaceae  
**Common Name:** Summer Glow Bird Cherry  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**Tnum:** 98034

**Observation Date of Plant:** 10/9/2012
**Plant Habit:** Round
**Plant Height:** 10-15 ft.
**Plant Width:** 10-15 ft.
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Medium
**Aesthetic Plant Quality:** Fair
**Landscape Uses:** Wildlife, specimen

**Overall Plant Health:** Fair
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Marginal
**Comments on plant:** Canopy looks good but trunk has large canker.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:**
**Date of observation:**
**Persistance:**
**Scientific Name:** Prunus rivularis  
**Family:** Rosaceae  
**Tnum:** 03133  
**Variety:**  
**Cultivar:**  
**Common Name:** Creek Plum  
**Source:** Texas  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Irregular  
**Plant Height:** 6-9 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 12-24 in.  
**Foliage Color:** Dark green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Started out looking like a shrub but may be best as a tree form. Foliage is fairly glossy and attractive.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
**Scientific Name:** Prunus sargentii  
**Variety:** -0-  
**Family:** Rosaceae  
**Tsnm:** 82109  

**Common Name:** Sargent Cherry  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Vase  
**Plant Height:** 27-34 ft.  
**Plant Width:** 15-25 ft.  
**Current Seasons Growth:** 8 - 12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  

**Comments on plant:** Large scar from sun scald or canker on trunk will shorten life span of this tree as well as ruin aesthetics of trunk.

**Observation Date of Flowers:** 3/26/2012  
**Flower Color:** Pink  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/16/2003  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** orangish red, orange
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Prunus sargentii
Cultivar: Pink Flair
Family: Rosaceae
Tsnum: 01017

Common Name: Pink Flair Cherry
Source: J. Frank Schmidt and Son Co
Variety:

Quantity observed: 2
PI #:

Observation Date of Plant: 10/9/2012
Plant Habit: Vase
Plant Height: 9-12 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Large wound from vandalism creates a uneven appearance on one of two trees but second tree looks good.

Observation Date of Flowers: 4/14/2006
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 10/8/2010
Aesthetics: Excellent
Persistance: 1-2 weeks
Fall Color: Red, orange
**Scientific Name:** Prunus sargentii  
**Cultivar:** Rancho  
**Family:** Rosaceae  
**Common Name:** Rancho Flowering Cherry  
**Source:** Carlton Plants  
**Quantity observed:** 1  
**Tnum:** 00045

**Observation Date of Plant:** 11/9/2012  
**Plant Habit:** Vase  
**Plant Height:** 16-22 ft.  
**Plant Width:** 8-10 ft.  
**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Slight suckering  
**Recommended:** Yes  
**Comments on plant:** Has extensive sunscald on southwest side of trunk but canopy looks good.

**Observation Date of Flowers:** 3/28/2012  
**Flower Color:** Pink  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 90-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Aesthetics:** Fair  
**Date of observation:** 10/21/2003  
**Persistance:** 1-2 weeks  
**Fall Color:** orange, deep red
**Scientific Name:** Prunus serotina  
**Variety:** -0-  
**Family:** Rosaceae  
**Tsunum:** 78021  
**Cultivar:** -0-  
**Common Name:** Black Cherry  
**Source:** Forrest Keeling Nursery  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 35-45 ft.  
**Plant Width:** 30-40 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen, shade tree  

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Each tree has 10-15% of canopy consisting of dead branches probably due to shading but may be cankers - too high up to get a close look.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
**Scientific Name:** Prunus subhirtella  
**Cultivar:** Pimshzam  
**Family:** Rosaceae  
**Common Name:** Pink Snow Showers Flowering Cherry  
**Source:** Carlton Plants  
**Quantity observed:** 2  
**Tnum:** 09047

**Date of observation:** 10/10/2011

**Plant Habit:** Weeping  
**Plant Height:** 5-7 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:**

**Comments on plant:** Planted in 2011 - too soon to recommend.

---

**Observation Date of Flowers:** 3/30/2012

**Flower Color:** Pink  
**Flower Type:** Cluster  
**Flower Effect:** Good

**% of Flower Coverage:** 40-65%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Still getting established and should have more flowers as it matures.

---

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Prunus tenella  
**Family:** Rosaceae  
**Variety:**  
**Tsnum:** 04039  
**Common Name:** Dwarf Russian Almond  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 1  
**PI #:** 24594

**Observation Date of Plant:** 10/10/2011

**Plant Habit:** Round  
**Plant Height:** 2-3 ft.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** May be planted in too much shade.  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:** 4/15/2007

**Flower Color:** Pink  
**Flower Type:** Single  
**Flower Effect:** Good  
**% of Flower Coverage:** 51-75%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**
**Persistanse:**
Scientific Name: Prunus tomentosa  Variety: -0-
Cultivar: -0-  Family: Rosaceae  Tsnum: 81261
Common Name: Nanking Cherry
Source: Sherman Nursery  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 10/10/2011
Plant Habit: Broad oval
Plant Height: 8 - 10 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border, windbreak

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Fruit is edible but small and has pits. Good flavor.

Observation Date of Flowers: 3/26/2012
Flower Color: White/pink eye
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/21/2003
Aesthetics: Fair  Persistance: 1-2 weeks
Fall Color: light yellowish, cream
Scientific Name: Prunus x<br>Cultivar: Pisnshzam<br>Family: Rosaceae<br>Common Name: Pink Snow Showers Flowering Cherry<br>Source: Femrite Nursery Company<br>Quantity observed: 2<br>PI #: <br>Tsnum: 08016

Observation Date of Plant: 10/9/2012
Plant Habit: Weeping
Plant Height: 6-8 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 20-30 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor to good
Landscape Uses: Specimen

Overall Plant Health: Poor to good
Insect Pests: 
Pest Severity: 
Plant Disease: Canker at graft on one of two trees.
Disease Severity: Moderate injury
Cultural Problems: 
Nuisances: 
Recommended: Marginal
Comments on plant: Planted in 2009. Second tree is almost dead but first looks good except it has a little gummosis on trunk.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistence:
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Colorado State University, Fort Collins, Colorado

Scientific Name: Prunus x
Cultivar: Snofozam
Family: Rosaceae
Variety: 
Tsnum: 06035

Common Name: Snow Fountains Cherry
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 10/5/2010
Plant Habit: Weeping
Plant Height: 6 - 7 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 2-6 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2006. Vigor is still poor from unknown cause.

Observation Date of Flowers: 4/26/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 65-75%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color:
Date of observation: 
Persistance:

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

Scientific Name: Pseudostuga menziesii  
Variety: -0-  
Family: Pinaceae  
Tsn: 88133

Cultivar: -0-  
Common Name: Douglas Fir

Source: Zelenka Nursery  
Quantity observed: 2  
PI #: -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal
Plant Height: 30-40 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, native planting

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Needles are soft to touch.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
**Scientific Name:** Ptelea polyadenia  
**Variety:** -0-  
**Cultivar:** -0-  
**Family:** Rutaceae  
**Tsunum:** 81297  
**Common Name:** Hoptree  
**Source:** Denver Botanic Gardens  
**Quantity observed:** 1  
**PI #:** PN1270  

**Observation Date of Plant:** 9/26/2011  
**Plant Habit:** Spreading, irregular  
**Plant Height:** 14-18 ft.  
**Plant Width:** 18-25 ft.  
**Current Seasons Growth:** 12-18 in.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Moderate suckering.  
**Recommended:** Yes  
**Comments on plant:** About 40-50% of canopy removed in 2003 due to damage from late snow. Pruning out damage seems to have re-invigorated it. About 10% of canopy has chlorosis.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
### Scientific Name: Ptelea trifoliata  
**Family:** Rutaceae  
**Tsnum:** 80030

| Common Name: | Hoptree  
| Source: | Minnesota Landscape Arboretum |

| **Quantity observed:** | 1  
| **PI #:** | -0- |

**Observation Date of Plant:** 9/27/2011  
**Plant Habit:** Spreading  
**Plant Height:** 15-20 ft.  
**Plant Width:** 30-40 ft.  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small heights/confined areas

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Has very slight chlorosis.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/21/2009  
**Aesthetics:** Good  
**Persistence:** 1-2 weeks  
**Fall Color:** Yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Pterocarya stenoptera</th>
<th>Variety:</th>
<th>Tnum: 98072</th>
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</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Family: Juglancaceae</td>
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</tr>
<tr>
<td>Common Name: Chinese Wingnut</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source: USDA/NC-7, Ames, IA</td>
<td>Quantity observed: 1</td>
<td>PI #: PI 596388</td>
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</table>

**Observation Date of Plant:** 9/28/2012  
**Plant Habit:** Misshapen  
**Plant Height:** 10-15 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 1-2 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Would probably look fine with space. Attractive foliage and good vigor but poor form. Would look better if it had more space and wasn't leaning because it was crowded. Does not appear to be able to correct growth habit and will result in

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Pyrus  
**Variety:**  
**Cultivar:** Silver Ball  
**Family:** Rosaceae  
**Tnum:** 06027  
**Common Name:** Silver Ball Pear  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 10-15 ft.  
**Plant Width:** 6-8 ft.  
**Current Seasons Growth:** 1-2 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Excellent  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Planted in 2008. Has really put on a lot of growth in 2012.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  

**Date of observation:**  
**Persistance:**  

Page 778 of 1130
Scientific Name: Pyrus betulifolia  
Variety: -0- 
Tsnm: 87181
Cultivar: The Dancer  
Family: Rosaceae
Common Name: The Dancer Pear
Source: Discover-Tree Research  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 9/27/2011
Plant Habit: Upright oval
Plant Height: 25-30 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 8 - 12 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: No suckering. Deformed by past snow load.

Observation Date of Flowers: 4/19/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Date of observation:
Persistance:
Fall Color:
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Pyrus calleryana</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Bradford x Redspire</td>
<td>Family: Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Bradford x Redspire Pear</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Forrest Keeling Nursery</td>
<td>Quantity observed: 1</td>
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<tr>
<td>Tnum:</td>
<td>94127</td>
<td>PI #:</td>
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</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Upright, irregular

**Plant Height:** 14-18 ft.

**Plant Width:** 15-20 ft.

**Current Seasons Growth:** 1-2 ft.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair to poor

**Landscape Uses:** Specimen

**Overall Plant Health:** Fair to poor

**Insect Pests:**

**Pest Severity:**

**Plant Disease:** Canker

**Disease Severity:** Severe injury

**Cultural Problems:**

**Nuisances:** No

**Recommended:** No

**Comments on plant:** Seems to be in decline due to cankers. Two of three main branches are very anemic due to canker but third branch shows a lot of vigor.

**Observation Date of Flowers:** 4/2/2012

**Flower Color:** White

**Flower Type:** Cluster

**Flower Effect:** Fair

**% of Flower Coverage:** 60-70%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Bud is pink. Trees has poor vigor.

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/2/2009

**Aesthetics:** Good

**Persistance:** 1-2 weeks

**Fall Color:** red, dark red
### Scientific Name: Pyrus calleryana
### Cultivar: Capital
### Family: Rosaceae
### Variety: -0-
### Tnum: 87173
### Common Name: Capital Callery Pear
### Source: Monrovia Growers
### Quantity observed: 1
### PI #: -0-

#### Observation Date of Plant:
9/28/2011

#### Plant Habit:
Irregular to upright oval

#### Plant Height:
30-38 ft.

#### Plant Width:
20-30 ft.

#### Current Seasons Growth:
6-12 in.

#### Foliage Color:
Medium green

#### Bark Characteristics:
Unimportant

#### Plant Summer Texture:
Coarse

#### Aesthetic Plant Quality:
Fair

#### Landscape Uses:
Specimen, residential street tree

#### Overall Plant Health:
Good

#### Insect Pests:

#### Pest Severity:

#### Plant Disease:

#### Disease Severity:

#### Cultural Problems:

#### Nuisances:

#### Recommended:
Yes

#### Comments on plant:
Growth habit isn't very attractive - branches go in different directions and appear leggy. Probably deformed by snow load. On 11/16/09 snow broke off a large branch - about 25% of canopy.

#### Observation Date of Flowers:
4/15/2003

#### Flower Color:
White

#### Flower Type:
Cluster

#### Flower Effect:
Good

#### % of Flower Coverage:
51-75%

#### Bloom Stage:
Flowers open

#### Fruit Present:

#### Comments on Flowers:

#### Fall Color or Fruit:

#### Aesthetics:

#### Date of observation:

#### Persistance:

#### Fall Color:

---

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<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Pyrus calleryana</th>
<th><strong>Variety:</strong></th>
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<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>Cleveland</td>
<td><strong>Family:</strong></td>
<td>Rosaceae</td>
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<tr>
<td><strong>Common Name:</strong></td>
<td>Cleveland Callery Pear</td>
<td><strong>Tnum:</strong></td>
<td>91114</td>
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<tr>
<td><strong>Source:</strong></td>
<td>Schichtel's Nursery</td>
<td><strong>Quantity observed:</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>PI #:</strong></td>
<td>-0-</td>
<td><strong>PI #:</strong></td>
<td>0</td>
</tr>
</tbody>
</table>

- **Observation Date of Plant:** 9/27/2011
- **Plant Habit:** Upright oval
- **Plant Height:** 30-38 ft.
- **Plant Width:** 15-20 ft.
- **Current Seasons Growth:** 6-12 in.
- **Foliage Color:** Medium green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Fair to good
- **Landscape Uses:** Residential street, specimen, narrow areas
- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:**
- **Recommended:** Yes
- **Comments on plant:** Growth habit is slightly irregular due to snow damage a few years ago.

- **Observation Date of Flowers:** 4/2/2012
- **Flower Color:** White
- **Flower Type:** Cluster
- **Flower Effect:** Good
- **% of Flower Coverage:** 70-90%
- **Bloom Stage:** Flowers open
- **Fruit Present:**
- **Comments on Flowers:** Few flowers on branches in partial shade

- **Fall Color or Fruit:**
- **Date of observation:**
- **Aesthetics:**
- **Persistance:**
- **Fall Color:**
**Scientific Name:** Pyrus calleryana  
**Variety:** -0-  
**Cultivar:** Cleveland Select  
**Family:** Rosaceae  
**Tsnun:** 88101  
**Common Name:** Cleveland Select Callery Pear  
**Source:** Carlton Plants  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 9/26/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 28-36 ft.  
**Plant Width:** 18-25 ft  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, specimen, narrow areas

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** A few branches are deformed by past snow loads - looks leggy.

**Observation Date of Flowers:** 3/30/2012  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 80-95%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 11/3/2005  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** red, some yellow
<table>
<thead>
<tr>
<th>Scientific Name: Pyrus calleryana</th>
<th>Variety: -0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Fauriei</td>
<td>Family: Rosaceae</td>
</tr>
<tr>
<td>Common Name: Fauriei pear</td>
<td>Tnum: 93068</td>
</tr>
<tr>
<td>Source: Carlton Plants</td>
<td>Quantity observed: 2</td>
</tr>
<tr>
<td></td>
<td>PI #: -0-</td>
</tr>
</tbody>
</table>

| Observation Date of Plant:      | 9/13/2011 |
| Plant Habit: Round             |           |
| Plant Height: 8 - 10 ft.       |           |
| Plant Width: 8 - 10 ft.        |           |
| Current Seasons Growth: 3 - 6 in. |             |

| Foliage Color: Medium green     |           |
| Bark Characteristics: Unimportant |           |
| Plant Summer Texture: Medium    |           |
| Aesthetic Plant Quality: Poor   |           |
| Landscape Uses: Specimen, small/confined areas |   |

| Overall Plant Health: Poor      |           |
| Insect Pests:                   |           |
| Pest Severity:                 |           |
| Plant Disease: Fireblight       |           |
| Disease Severity: Severe injury |           |
| Cultural Problems:             |           |
| Nuisances: Marginal             |           |
| Recommended: Marginal           |           |
| Comments on plant: Moved Spring of 2003 due to unavoidable construction. |   |

| Observation Date of Flowers: 4/15/2003 |            |
| Flower Color: White                |            |
| Flower Type: Cluster               |            |
| Flower Effect: Excellent           |            |
| % of Flower Coverage: 76-100%      |            |
| Bloom Stage: Flowers open          |            |
| Fruit Present: no                  |            |
| Comments on Flowers:               |            |

| Fall Color or Fruit:              | Date of observation: |
| Aesthetics:                        | Persistance:         |
| Fall Color:                        |                         |
Scientific Name: Pyrus calleryana
Cultivar: Gladzam
Family: Rosaceae
Variety: 
Tsunum: 04024
Common Name: Gladiator Flowering Pear
Source: Femrite Nursery Company
Quantity observed: 2

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2009.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics: 
Persistance:
Fall Color:
### Chanticleer Callery Pear

**Scientific Name:** Pyrus calleryana  
**Variety:** -0-  
**Cultivar:** Glen's Form  
**Family:** Rosaceae  
**Tsnm:** 88089  
**Common Name:** Chanticleer Callery Pear  
**Source:** Handy Nursery Co.  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 9/27/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 30-37 ft.  
**Plant Width:** 20-25 ft.  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, narrow areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Canopy is more open than when young.  

**Observation Date of Flowers:** 3/30/2012  
**Flower Color:** White, pink buds  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 85-95%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Pyrus calleryana
Cultivar: Glen's Form
Family: Rosaceae
Tsnm: 88097

Scientific Name: Pyrus calleryana
Variety: -0-

Common Name: Chanticleer Callery Pear
Source: J. Frank Schmidt and Son Co
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 9/27/2011
Plant Habit: Upright oval
Plant Height: 25-30 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Medium to light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Appears slightly chlorotic.

Observation Date of Flowers: 4/2/2012
Flower Color: White, pink buds
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 75-90%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Pyrus calleryana  Varieties:  
Cultivar: Jackzam  Family: Rosaceae  
Common Name: Jack Dwarf Flowering Pear  
Source: Femrite Nursery Company  Quantity observed: 1  

Tsun#: 06005  

Observation Date of Plant: 10/9/2012  
Plant Habit: Upright oval  
Plant Height: 8-10 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen, narrow areas  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Pyrus calleryana</th>
<th>Variety:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Jaczam</td>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Jack Dwarf Flowering Pear</td>
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<tr>
<td>Source:</td>
<td>Femrite Nursery Company</td>
<td>Quantity observed:</td>
<td>1</td>
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<tr>
<td>Observation Date of Plant:</td>
<td>10/9/2012</td>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>5-8 ft.</td>
<td>Plant Width:</td>
<td>5-7 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>3-6 in.</td>
<td>Foliage Color:</td>
<td>Medium green</td>
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<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
<td>Plant Summer Texture:</td>
<td>Medium</td>
</tr>
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<td>Aesthetic Plant Quality:</td>
<td>Good</td>
<td>Landscape Uses:</td>
<td>Residential street, specimen, narrow areas</td>
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<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
<td>Insect Pests:</td>
<td></td>
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<tr>
<td>Pest Severity:</td>
<td></td>
<td>Plant Disease:</td>
<td></td>
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<tr>
<td>Disease Severity:</td>
<td></td>
<td>Cultural Problems:</td>
<td></td>
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<tr>
<td>Nuisances:</td>
<td></td>
<td>Recommended:</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Planted in arboretum in Fall 2006.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Observation Date of Flowers: | 4/5/2012 | Flower Color: | White |
| Flower Type: | Cluster | Flower Effect: | Excellent |
| % of Flower Coverage: | 85-100% | Bloom Stage: | Flowers open |
| Fruit Present: | |
| Comments on Flowers: |   |

| Fall Color or Fruit: | Date of observation: |
| Aesthetics: | Persistance: |
| Fall Color: |   |
## 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Pyrus calleryana</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Lililzam</td>
<td>Tnum:</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Lil’ Jill Flowering Pear</td>
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<tr>
<td>Source:</td>
<td>Femrite Nursery Company</td>
<td>Quantity observed:</td>
</tr>
</tbody>
</table>

### Observation Date of Plant:

- **9/28/2011**

### Plant Description:

- **Plant Habit**: Upright oval
- **Plant Height**: 6-7 ft.
- **Plant Width**: 3-4.5 ft.
- **Current Seasons Growth**: 3-6 in.

### Foliage Color:

- Medium green

### Bark Characteristics:

- Unimportant

### Plant Summer Texture:

- Medium

### Aesthetic Plant Quality:

- Good

### Landscape Uses:

- Specimen, confined areas

### Overall Plant Health:

- Good

### Insect Pests:

- Aphids

### Pest Severity:

- Slight injury

### Disease:

- Disease Severity:

### Cultural Problems:

- Nuisances:

### Recommended:

- n/a

### Comments on plant:

- Planted in 2011 - too soon to recommend.

---

### Observation Date of Flowers:

- **4/2/2012**

### Flower Description:

- **Flower Color**: White
- **Flower Type**: Cluster
- **Flower Effect**: Fair
- **% of Flower Coverage**: 40-50%
- **Bloom Stage**: Flowers open

### Fruit Present:

- **Comments on Flowers**: Will probably get more flowers as it matures.

---

### Fall Color or Fruit:

- **Fall Color**:

### Date of observation:

- **Persistance**: 

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### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Scientific Name:** Pyrus calleryana  
**Cultivar:** Stonehill  
**Family:** Rosaceae  
**Variety:** -0-  
**Tsnum:** 92010  
**Common Name:** Stonehill Callery Pear  
**Source:** A. McGill & Son Nursery  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 9/26/2011  
**Plant Habit:** Narrow, upright oval  
**Plant Height:** 32-38 ft.  
**Plant Width:** 15-20 ft  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Deformed by past snow loads - growth habit is slow to regain form.

**Observation Date of Flowers:** 3/30/2012  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 11/10/2005  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** red
Scientific Name: Pyrus calleryana
Variety: 
Cultivar: Whitehouse
Family: Rosaceae
Tnum: 01041
Common Name: Whitehouse Pear
Source: Monrovia Growers
Quantity observed: 3

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease: Leaf spot
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Slightly deformed by past snow loads. Planted in arboretum in 2002.

Observation Date of Flowers: 3/26/2012
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics: 
Date of observation: 
Persistance:
Fall Color:
**2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center**  
**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Pyrus calleryana x betulaefolia</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Edgewood</td>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Edgewood Pear</td>
<td>Tsum:</td>
<td>96128</td>
</tr>
<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PI #:</td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 12-18 ft.  
**Plant Width:** 10-15 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Light to medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Moved Spring of 2003 due to unavoidable construction.

**Observation Date of Flowers:** 4/19/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 90-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

| Scientific Name: | Pyrus fauriei | Variety: |
| Family: | Rosaceae | Tnum: 96076 |
| Cultivar: | Korean Sun | |
| Common Name: | Korean Sun Flowering Pear | |
| Source: | Carlton Plants | Quantity observed: 1 |

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Broad oval

**Plant Height:** 6-9 ft.

**Plant Width:** 10-15 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, small/confined areas

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Moderate suckering

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:** 4/21/2006

**Flower Color:** White

**Flower Type:** Cluster

**Flower Effect:** Excellent

**% of Flower Coverage:** 90-100%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/15/2012

**Aesthetics:** Excellent

**Persistance:** 1-2 weeks

**Fall Color:** Red

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### Scientific Name: Pyrus fauriei  
Variety:  
**Cultivar:** Westwood  
**Family:** Rosaceae  
**Common Name:** Korean Sun Flowering Pear  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**  

#### Observation Date of Plant: 9/11/2012  
**Plant Habit:** Round  
**Plant Height:** 8 - 12 ft.  
**Plant Width:** 10-15 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Canopy is very dense.  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Canopy is very dense with a nice shape.  

#### Observation Date of Flowers:  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Aesthetics:** Excellent  
**Fall Color:** Red  
**Date of observation:** 10/1/2009  
**Persistence:** 1-2 weeks
## Scientific Name: Pyrus regleii

**Variety:** Angel Wing  
**Family:** Rosaceae  
**Tnum:** 87106  
**Source:** Pacific Coast Nursery  
**Quantity observed:** 1  
**PI #:** -0-

### Details:

- **Observation Date of Plant:** 9/27/2011
- **Plant Habit:** Irregular
- **Plant Height:** 8-12 ft.
- **Plant Width:** 10-12 ft.
- **Current Seasons Growth:** 6-18 in.
- **Foliage Color:** Gray/green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Fine
- **Aesthetic Plant Quality:** Poor
- **Landscape Uses:** Specimen, small/confined areas

**Overall Plant Health:** Poor

**Insect Pests:**

**Pest Severity:**

**Plant Disease:** Leaf spot

**Disease Severity:** Extensive injury

**Cultural Problems:**

**Nuisances:** No

**Recommended:** No

**Comments on plant:** Starts defoliating in August due to foliar disease. Defoliated at least four weeks earlier than most Pyrus.

### Observation Date of Flowers:

**Flower Color:** White

**Flower Type:** Cluster

**Flower Effect:** Fair

**% of Flower Coverage:** 25-40%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

### Fall Color or Fruit:

**Date of observation:**

**Aesthetics:**

**Fall Color:**
Scientific Name: Pyrus ussuriensis  
Variety: -0-  
Tsnum: 82216  

Family: Rosaceae  

Common Name: Chinese Pear  

Source: USDA, Mandan, ND  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 9/28/2011  

Plant Habit: Broad oval  
Plant Height: 22-27 ft.  
Plant Width: 30-40 ft.  
Current Seasons Growth: 10-15 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Maintains a pleasing growth habit even as it matures as opposed to many P. calleryanas. Appears to get fall color earlier and drop leaves quicker than callery so maybe less susceptible to snow damage.  

Observation Date of Flowers: 3/26/2012  

Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 70-80%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Aesthetics: Good  
Persistance: 1-2 weeks  
Date of observation: 10/5/2011  
Fall Color: golden yellow
Scientific Name: Pyrus ussuriensis
Cultivar: Mordak
Family: Rosaceae
Tnum: 95038
Common Name: Prairie Gem Pear
Source: J. Frank Schmidt and Son Co

Quantity observed: 4

PI #:

Observation Date of Plant: 10/9/2012
Plant Habit: Round
Plant Height: 10-15 ft.
Plant Width: 12-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 3/28/2012
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 85-95%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Pyrus ussuriensis  
Variety: compactum  
Cultivar: Mordak Prariegem  
Family: Rosaceae  
Common Name: Mordak Prariegem Chinese Pear  
Source: Bailey Nurseries  
Quantity observed: 1  
Tnum: 91135

PI #: -0-  

Observation Date of Plant: 9/26/2011  
Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, specimen

Plant Habit: Upright oval becoming ro  
Plant Height: 15-20 ft.  
Plant Width: 18-22 ft.  
Current Seasons Growth: 8-12 in.  

Flower Type: Cluster  
Flower Color: White  
Flower Effect: Fair to poor  
% of Flower Coverage: 50-60%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers: May need full sun for best flowering but still is inferior to other Pyrus.  

Fall Color or Fruit: Fall color  
Date of observation: 10/9/2003  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: bright yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Pyrus x
Cultivar: Edgewood  Family: Rosaceae
Common Name: Edgewood Pear
Source: J. Frank Schmidt and Son Co  Quantity observed: 1

Variety:  Tsnum: 98032

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval, irregular
Plant Height: 12-15 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Appears to have been deformed by snow damage October 2011. Moved Spring of 2003 due to unavoidable construction.

Observation Date of Flowers: 4/21/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Poor
% of Flower Coverage: 15-25%
Bloom Stage: Flowers open. Flowers mainly on lower third of plant.
Fruit Present:
Comments on Flowers: Pink buds.

Fall Color or Fruit: Fall color  Date of observation: 10/16/2003
Aesthetics: Good  Persistance: 1-2 weeks
Fall Color: magenta red, orange
**Scientific Name:** Quercus  
**Cultivar:** Crimschmidt  
**Family:** Fagaceae  
**Tnum:** 95039  
**Common Name:** Crimson Spire Oak  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Columnar  
**Plant Height:** 18-22 ft.  
**Plant Width:** 5-8 ft.  
**Current Seasons Growth:** 6-12 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, small/confined areas  
**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Moved Spring of 2003 due to unavoidable construction. Excellent growth habit - very uniform. One of two declined and died in 2012. A lot of swelling and suckering at ground level. Could be a girdling root but exact cause is unknown.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Aesthetics:** Good  
**Fall Color:** bright red, dark red  
**Date of observation:** 10/16/2003  
**Persistence:** 1-2 weeks
Scientific Name: Quercus acutissima
Variety: -0-
Cultivar: -0-  Family: Fagaceae
Common Name: Sawtooth Oak
Source: US Nat'l Arboretum  Quantity observed: 1  PI #: NA45362

Observation Date of Plant: 10/4/2011
Plant Habit: Irregular
Plant Height: 14-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Slight chlorosis. Severely misshapen due to storm damage.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Quercus bicolor   Variety: -0-  
Cultivar: -0-   Family: Fagaceae  
Common Name: Swamp White Oak   Tsnum: 78108
Source: Bath Nursery   Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 10/4/2011
Plant Habit: Broad oval
Plant Height: 15 - 20 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Large, shade tree

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Misshapen by storm damage.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color   Date of observation: 10/10/2011
Aesthetics: Fair to poor   Persistance: 1-2 weeks
Fall Color: creamy brown
Overall Plant Health: Fair to good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: Yes
Recommended: Yes
Comments on plant: Vigor is a little low on one of two but both look okay overall.

observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good to excellent
Fall Color: Rosy red
Date of observation: 10/8/2009
Persist: 1-2 weeks

Scientific Name: Quercus borealis
Family: Fagaceae
Tsnum: 00046

Common Name: Northern Red Oak
Source: Carlton Plants
Quantity observed: 2

Observation Date of Plant: 9/11/2012
Plant Habit: Upright oval
Plant Height: 10-20 ft.
Plant Width: 6-12 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Fall Color: Rosy red
Aesthetics: Good to excellent
**Scientific Name:** Quercus ellipsoidalis  
**Family:** Fagaceae  
**Tnum:** 99012

**Common Name:** Northern Pin Oak  
**Source:** Bailey Nurseries

**Plant Habit:** Young, undefined  
**Plant Height:** 5-6 ft.  
**Plant Width:** 4-5 ft  
**Current Seasons Growth:** 1-2 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Poor to fair  
**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** Planted in 2008. Lacks vigor for unknown reason. No signs of chlorosis.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Quercus gambelii  
Variety: -0-  
Cultivar: -0-  
Family: Fagaceae  
Tsum: 78054  
Common Name: Gambel Oak  
Source: Colorado Nurseryman  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/4/2011  
Plant Habit: Round, multi-stem  
Plant Height: 20-25 ft.  
Plant Width: 30-40 ft.  
Current Seasons Growth: 4-8 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Native planting, Xeriscape, Small/confined areas, small tree or large shrub  

Overall Plant Health: Good  
Insect Pests: Galls  
Pest Severity: Slight injury  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Prolific suckering  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 9/23/2004  
Aesthetics: Good  
Persistence: 2-4 weeks  
Fall Color: bronze, yellow
**Scientific Name:** Quercus gambelii  
**Family:** Fagaceae  
**Tsnm:** 78106  
**Common Name:** Gambel Oak  
**Source:** Western Evergreen Nursery  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 30-35 ft.  
**Plant Width:** 22-28 ft.  
**Current Seasons Growth:** 8 - 12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Native planting, Xeriscape, Small/confined areas, small tree

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** This specimen has a very strong central leader.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Quercus hybrid  
Variety: -0-  
Cultivar: -0-  
Family: Fagaceae  
Tnum: 91096  
Common Name: Oak  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 3  
PI #: -0-  
 observation Date of Plant: 10/4/2011  
Plant Habit: Upright oval  
Plant Height: 20-30 ft.  
Plant Width: 15-20 ft  
Current Seasons Growth: 6-12 in.  
Foliage Color: Medium to dark green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, large shade tree  
Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease: Leaf spot  
Disease Severity: Slight injury  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant:  
Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  
Fall Color or Fruit: Fall color  
Date of observation: 10/28/2008  
Aesthetics: Fair  
Persistance: 1-2 weeks  
Fall Color: Brown/yellow
Scientific Name: Quercus macrocarpa
Variety: 
Cultivar: -0-  Family: Fagaceae

Common Name: Bur Oak
Source: Colorado Nurseryman  Quantity observed: 2

PI #: -0-  Tnus: 78055

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 22-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, xeriscape, large shade tree

Overall Plant Health: Good
Insect Pests: Galls
Pest Severity: Slight injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 9/23/2004
Aesthetics: Fair
Persistance: 1-2 weeks
Fall Color: copper, bronze, yellow
**Scientific Name:** Quercus macrocarpa

**Cultivar:** Dakota Sunrise  
**Family:** Fagaceae

**Common Name:** Dakota Sunrise Bur Oak

**Source:** Direct Value Nursery, St. Cha

**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 9/11/2012

**Plant Habit:** Upright, irregular

**Plant Height:** 13-17 ft.

**Plant Width:** 7-10 ft.

**Current Seasons Growth:** 4-6 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Residential street, specimen

**Overall Plant Health:** Fair

**Insect Pests:** Galls

**Pest Severity:** Moderate injury

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** Slight suckering

**Recommended:** Yes

**Comments on plant:** Seems to develop large populations of galls on stems which are round and almost ornamental in the winter but may be reducing vigor. Foliage is very dense and very dark green.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/16/2003

**Aesthetics:** Fair  
**Persistence:** 1-2 weeks

**Fall Color:** yellow, red
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Quercus macrocarpa</th>
<th>Variety:</th>
<th>Tnum: 08013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: JFS-KW3</td>
<td>Family: Fabaceae</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common Name: Urban Pinnacle Bur Oak</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source: J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 1</td>
<td>PI #:</td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Upright oval

**Plant Height:** 5-7 ft.

**Plant Width:** 3-5 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Residential street, xeriscape, large shade tree

**Overall Plant Health:** Fair

**Insect Pests:** Galls

**Pest Severity:** Slight injury

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** n/a

**Recommended:** n/a

**Comments on plant:** Planted in 2011 - too soon to recommend.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
### Scientific Name: Quercus mongolica
### Variety: grosseserrata

<table>
<thead>
<tr>
<th>Cultivar</th>
<th>Family</th>
<th>Tsnum</th>
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</thead>
<tbody>
<tr>
<td>-0-</td>
<td>Fagaceae</td>
<td>84062</td>
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</tbody>
</table>

### Common Name: Mongolian Oak
### Source: US Nat'l Arboretum
### Quantity observed: 1
### PI #: NA51357

### Observation Date of Plant: 10/4/2011
### Plant Habit: Upright oval
### Plant Height: 20-26 ft.
### Plant Width: 18-25 ft.
### Current Seasons Growth: 6 - 12 in.

### Foliage Color: Medium green
### Bark Characteristics: Intermediate importance
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Fair
### Landscape Uses: Residential street

### Overall Plant Health: Fair
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems:
### Nuisances:
### Recommended: Yes
### Comments on plant: Minor suckering. Slightly chlorotic overall.

### Observation Date of Flowers:
### Flower Color:
### Flower Type:
### Flower Effect:
### % of Flower Coverage:
### Bloom Stage:
### Fruit Present:
### Comments on Flowers:

### Fall Color or Fruit: Date of observation:
### Aesthetics: Persistance:
### Fall Color:
### Scientific Name: Quercus muehlenbergii

**Variety:** -0-  
**Family:** Fagaceae  
**Tsnun:** 83116

### Common Name: Yellow Chestnut

### Source: US Nat'l Arboretum

### Quantity observed: 1  
**PI #: NA49778**

### Observation Date of Plant: 10/4/2011

### Plant Habit: Upright oval

### Plant Height: 30-35 ft.

### Plant Width: 25-35 ft.

### Current Seasons Growth: 6-12 in.

### Foliage Color: Medium to dark green

### Bark Characteristics: Intermediate importance

### Plant Summer Texture: Coarse

### Aesthetic Plant Quality: Good

### Landscape Uses: Residential street, large shade tree

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended: Yes

### Comments on plant: Looks good. No chlorosis during summer. Some branches getting shaded out.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Date of observation:

### Aesthetics:

### Persistance:

### Fall Color:
### Scientific Name: Quercus muehlenbergii

### Variety: -0-

### Cultivar: -0-  

### Family: Fagaceae

### Tsnm: 88114

### Common Name: Yellow Chestnut Oak

### Source: USDA/NC-7, Ames, IA

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Variety</th>
<th>Tsnm</th>
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<tbody>
<tr>
<td>Quercus muehlenbergii</td>
<td>-0-</td>
<td>88114</td>
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### Quantity observed: 2

### PI #: A7814

### Observation Date of Plant: 10/4/2011

### Plant Habit: Round to upright oval

### Plant Height: 30-40 ft.

### Plant Width: 30-42 ft.

### Current Seasons Growth: 12-18 in.

### Foliage Color: Medium to dark green

### Bark Characteristics: Intermediate importance

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Large shade tree

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity: 

### Plant Disease: 

### Disease Severity: 

### Cultural Problems: 

### Nuisances: 

### Recommended: Yes

### Comments on plant: Attractive leaf shape.

### Observation Date of Flowers:

### Flower Color: 

### Flower Type: 

### Flower Effect: 

### % of Flower Coverage: 

### Bloom Stage: 

### Fruit Present: 

### Comments on Flowers: 

### Fall Color or Fruit: 

### Aesthetics: 

### Date of observation: 

### Persistence: 

### Fall Color: 

### Page 814 of 1130
**Scientific Name:** Quercus prinoides

**Family:** Fagaceae

**Variety:**

**Tsnm:** 01030

**Common Name:** Dwarf Chinkapin Oak

**Source:** USDA/NC-7, Ames, IA

**Quantity observed:** 1

**PI #:** 23752

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Young, undefined

**Plant Height:** 5-7 ft.

**Plant Width:** 3-4 ft.

**Current Seasons Growth:** 2-4 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Poor

**Landscape Uses:** Specimen

**Overall Plant Health:** Fair to poor

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** No

**Recommended:** No

**Comments on plant:** Planted in 2009. Vigor is very low for unknown reason. Possibly in a container too long.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Overall Plant Health: Good
Insect Pests: Pest Severity: Plant Disease: Disease Severity: Cultural Problems: Nuisances: Recommended: Yes
Comments on plant: Moved Spring of 2003 due to unavoidable construction.

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 15-20ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Moved Spring of 2003 due to unavoidable construction.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: yellow
Date of observation: 10/16/2003
Persistace: 1-2 weeks
<table>
<thead>
<tr>
<th>Scientific Name: Quercus robur</th>
<th>Variety: -0-</th>
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<tbody>
<tr>
<td>Cultivar: -0-</td>
<td>Family: Fagaceae</td>
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<tr>
<td>Common Name: English Oak</td>
<td>Tsnm: 78109</td>
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<tr>
<td>Source: J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 2</td>
</tr>
<tr>
<td>PI #: -0-</td>
<td></td>
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</tbody>
</table>

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Upright oval

**Plant Height:** 45-55 ft.

**Plant Width:** 40-50 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
**Scientific Name:** Quercus robur
**Family:** Fagaceae
**Cultivar:** Pyramich
**Common Name:** Skymaster English Oak
**Source:** J. Frank Schmidt and Son Co
**Quantity observed:** 2

**Tnum:** 87086

**Observation Date of Plant:** 10/4/2011

**Plant Habit:** Upright oval
**Plant Height:** 40-50 ft.
**Plant Width:** 30-40 ft.
**Current Seasons Growth:** 8 - 12 in.

**Foliage Color:** Medium green
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Coarse
**Aesthetic Plant Quality:** Good
**Landscape Uses:** Residential street, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**
**Pest Severity:**
**Plant Disease:** Leaf spot
**Disease Severity:** Slight injury

**Cultural Problems:**
**Nuisances:**
**Recommended:** Marginal

**Comments on plant:** One of two trees is much healthier than the other and almost twice the size. May be larger since it was planted on mounded berm and the other is not.
Scientific Name: Quercus robur
Cultivar: Westminster Globe
Family: Fagaceae
Common Name: Westminster Globe English Oak
Source: J. Frank Schmidt and Son Co
Quantity observed: 3

Variety: -0-
Tsnm: 87087

Observation Date of Plant: 10/4/2011

Plant Habit: Round to upright oval
Plant Height: 28-40 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good to fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: One of three is smaller and mildly chlorotic compared to other two - cause is unknown.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
**Scientific Name:** Quercus robur fastigiata x bicolor  
**Cultivar:** Long  
**Family:** Fagaceae  
**Common Name:** Regal Prince Oak  
**Source:** Femrite Nursery Company  
**Quantity observed:** 2  
**Tsnum:** 99023  
**Variety:**  

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>10/9/2012</th>
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<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Columnar</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>17-22 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>5-8 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>4-6 in.</td>
</tr>
</tbody>
</table>

**Foliage Color:** Dark green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, small/narrow areas  
**Overall Plant Health:** Fair  
**Insect Pests:** Scale  
**Pest Severity:** Severe injury  
**Plant Disease:** Sooty mold  
**Disease Severity:** Slight injury  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:**  
**Comments on plant:** Foliage is an impressive dark green with a nice gloss. Nice dense growth habit. Canopy looks thin with some dieback due to scale.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

<table>
<thead>
<tr>
<th><strong>Fall Color or Fruit:</strong></th>
<th>Fall color</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Date of observation:</strong></td>
<td>10/16/2003</td>
</tr>
<tr>
<td><strong>Aesthetics:</strong></td>
<td>Fair</td>
</tr>
<tr>
<td><strong>Persistance:</strong></td>
<td>1-2 weeks</td>
</tr>
<tr>
<td><strong>Fall Color:</strong></td>
<td>bright yellow</td>
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</table>
Scientific Name: Quercus robur x alba  
Variety:  
Cultivar: Midwest  
Family: Fagaceae  
Tnum: 09018  
Common Name: Prairie Stature Oak  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/4/2011  
Plant Habit: Round to upright oval  
Plant Height: 6-8 ft.  
Plant Width: 3-4 ft.  
Current Seasons Growth: 3-6 in.  

Foliage Color: Dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Fair  
Landscape Uses: Residential street, large shade tree  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: n/a  
Recommended:  
Comments on plant: Planted in 2011 - too soon to recommend.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
**Scientific Name:** Quercus x macdanielli
**Variety:**

**Cultivar:** Clemons  
**Family:** Fagaceae

**Common Name:** Heritage Oak

**Source:** Bailey Nurseries

**Tsun:** 00071

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**Quantity observed:** 2

**Observation Date of Plant:** 9/11/2012

**Plant Habit:** Upright oval

**Plant Height:** 17-21 ft.

**Plant Width:** 6-9 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Coarse

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, large shade tree

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**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in arboretum in 2003. Attractive but the tree that used to look the best has the top 1/3 of central leader leaning to the north-east for unknown reason.

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**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

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**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/16/2003

**Aesthetics:** Fair  
**Persistance:** 1-2 weeks

**Fall Color:** yellow
Scientific Name: Rhamnus caroliniana

Family: Rhamnaceae

Tnum: 03148

Variety:

Cultivar: Carolina Buckthorn

Common Name:

Source: Texas

Quantity observed: 1

PI #:

Observation Date of Plant: 9/29/2010

Plant Habit: Columnar

Plant Height: 4-5 ft.

Plant Width: 1-3 ft

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Date of observation:

Aesthetics:

Persistance:

Fall Color:
## Scientific Name: Rhamnus davurica

**Variety:** -0-

**Cultivar:** -0-

**Family:** Rhamnaceae

**Tnum:** 78112

**Common Name:** Dahurian Buckthorn

**Source:** USDA/NC-7

**Quantity observed:** 1

**PI #:** -0-

### Observation Date of Plant:
9/26/2012

### Plant Habit:
Broad oval

### Plant Height:
14-18 ft.

### Plant Width:
25-30 ft.

### Current Seasons Growth:
10-15 in.

### Foliage Color:
Dark green

### Bark Characteristics:
Not very important

### Plant Summer Texture:
Medium

### Aesthetic Plant Quality:
Good

### Landscape Uses:
Specimen, xeriscape, shrub border

### Overall Plant Health:
Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended:
Marginal

### Comments on plant:
Some breakage due to weight of branches and fruit has left it open in the middle. Birds spread seed and it becomes invasive.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Date of observation:

### Aesthetics:

### Persistance:

### Fall Color:
Scientific Name: Rhamnus frangula  
Variety: -0-  
Cultivar: Asplenifolia  
Family: Rhamnaceae  
Tsnm: 89124  
Common Name: Fernleaf Buckthorn  
Source: Bailey Nurseries  
Quantity observed: 2  
PI #: -0-  

Observation Date of Plant: 9/29/2011  
Plant Habit: Upright oval  
Plant Height: 8 - 11 ft.  
Plant Width: 8-12 ft  
Current Seasons Growth: 4 - 8 in.  

Foliage Color: Dark green  
Bark Characteristics: Not very important  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Excellent  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: A good plant for a unique texture and appearance.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:
### Plant Evaluation Summary

**Scientific Name:** Rhamnus frangula  
**Variety:** 
**Cultivar:** Asplenifolia  
**Family:** Rhamnaceae  
**Tnum:** 10003  
**Common Name:** Fernleaf Buckthorn (tree form)  
**Source:** Carlton Plants

**Quantity observed:** 2  
**PI #:**

- **Observation Date of Plant:** 9/26/2012
- **Plant Habit:** Upright oval
- **Plant Height:** 5-7 ft.
- **Plant Width:** 2-4 ft
- **Current Seasons Growth:** 12-18 in.

- **Foliage Color:** Dark green
- **Bark Characteristics:** Not very important
- **Plant Summer Texture:** Fine
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Specimen, shrub border

- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:**
- **Recommended:** n/a
- **Comments on plant:** Planted in 2011 - too soon to recommend. Leaves on one plant are narrow but 3-4 times as wide as second plant.

### Plant Characteristics

- **Observation Date of Flowers:**
- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**
- **Comments on Flowers:**

### Plant Habit and Growth

- **Fall Color or Fruit:**
- **Date of observation:**
- **Aesthetics:**
- **Persistance:**
- **Fall Color:**
Scientific Name: Rhamnus frangula
Variety: -0-
Cultivar: Glossy Buckthorn
Family: Rhamnaceae
Tsnum: 78205
Common Name: Glossy Buckthorn
Source: Unknown
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 9/30/2011
Plant Habit: Round
Plant Height: 8 - 10 ft.
Plant Width: 8-10 ft
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Shrub border

Overall Plant Health: Poor to fair
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Minor injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Vigor would probably be much better if it was in less shade.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: dark red, purple, green, yellow
Date of observation: 10/9/2003
Persistance: 1-2 weeks

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Scientific Name: Rhamnus infectoria
Variety: -0-
Cultivar: -0-  
Family: Rhamnaceae  
Tnum: 78111
Common Name: Avignon Berry
Source: USDA/NC-7
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Broad oval
Plant Height: 10 - 15 ft.
Plant Width: 20 - 30 ft.
Current Seasons Growth: 8-14 in.

Foliation Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: Seedlings sprouting all over due to spread by birds.
Recommended: Marginal
Comments on plant: Might make a nice small multi-stem tree if pruned up.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 9/23/2004
Aesthetics: Good  
Persistance: 1-2 weeks
Fall Color: yellow
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<th>Rhus aromatica</th>
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<tr>
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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6 - 10 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>10 - 20 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>1 - 2 ft.</td>
</tr>
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<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium green</th>
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<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
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<td>Plant Summer Texture:</td>
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<td>Aesthetic Plant Quality:</td>
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<tr>
<td>Landscape Uses:</td>
<td>Specimen, xeriscape, shrub border</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Overall Plant Health:</th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests:</td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
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<tr>
<td>Recommended:</td>
<td>Yes</td>
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<tr>
<td>Comments on plant:</td>
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<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
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<tbody>
<tr>
<td>Flower Color:</td>
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<tr>
<td>Flower Type:</td>
</tr>
<tr>
<td>Flower Effect:</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
</tr>
<tr>
<td>Bloom Stage:</td>
</tr>
<tr>
<td>Fruit Present:</td>
</tr>
<tr>
<td>Comments on Flowers:</td>
</tr>
</tbody>
</table>

| Fall Color or Fruit:          | Fall color |
| Aesthetics:                   | Fair       |
| Fall Color:                   | golden yellow, orange, red |

| Date of observation:         | 10/28/2003 |
| Persistance:                 | 1-2 weeks  |
**Scientific Name:** Rhus aromatica  
**Cultivar:** Grow-Low  
**Family:** Anacardiaceae  
**Common Name:** Grow-Low Fragrant Sumac  
**Source:** Synnestvedt Nursery  
**Quantity observed:** 3  
**Observation Date of Plant:** 9/15/2012  
**Plant Habit:** Spreading  
**Plant Height:** 2-4 ft.  
**Plant Width:** 6 - 10 ft  
**Current Seasons Growth:** 1 - 2 ft.  
**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Xeriscape, shrub border  
**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Has good vigor and may grow wider if it had more space.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:**
**Date of observation:**
**Persistance:**

---

**Tsnum:** 90038  
**PI #:** -0-
Scientific Name: Rhus aromatica  
Variety: -0-  
Tsnum: 93064

Cultivar: Improved  
Family: Anacardiaceae  

Common Name: Improved Fragrant Sumac

Source: Forrest Keeling Nursery  
Quantity observed: 3  
PI #: -0-

Observation Date of Plant: 9/29/2011

Plant Habit: Broad oval
Plant Height: 4-5 ft.
Plant Width: 6-9 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Two of three plants look good but would look better with more irrigation and sun.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
## Scientific Name: Rhus aromatica
## Variety: serotina
## Tnum: 86178

### Cultivar: Konza
### Family: Anacardiaceae
### Common Name: Konza Fragrant Sumac
### Source: USDA/NC-7, Ames, IA
### Quantity observed: 2
### PI #: PI477981

### Observation Date of Plant: 10/3/2011
### Plant Habit: Spreading
### Plant Height: 7-9 ft.
### Plant Width: 10 - 20 ft.
### Current Seasons Growth: 1 - 2 ft.

### Foliage Color: Dark green
### Bark Characteristics: Unimportant
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Good
### Landscape Uses: Specimen, xeriscape, shrub border

### Overall Plant Health: Good
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems:
### Nuisances:
### Recommended: Yes
### Comments on plant:

### Observation Date of Flowers:
### Flower Color:
### Flower Type:
### Flower Effect:
### % of Flower Coverage:
### Bloom Stage:
### Fruit Present:
### Comments on Flowers:

### Fall Color or Fruit:
### Aesthetics:
### Fall Color:
<table>
<thead>
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<td>Variety:</td>
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<td>Cultivar:</td>
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<tr>
<td>Tsnum:</td>
<td>78014</td>
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<tr>
<td>Common Name:</td>
<td>Skunkbush Sumac</td>
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<tr>
<td>Source:</td>
<td>Knox City Plant Material</td>
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<tr>
<td>Quantity observed:</td>
<td>1</td>
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<tr>
<td>PI #:</td>
<td>-0-</td>
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**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 6 - 10 ft.  
**Plant Width:** 10-15 ft  
**Current Seasons Growth:** 1 - 2 ft.

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Xeriscape, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**

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<table>
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<tr>
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<tr>
<td><strong>Cultivar:</strong></td>
<td>Bighorn</td>
<td><strong>Family:</strong></td>
<td>Anacardiaceae</td>
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<td><strong>Common Name:</strong></td>
<td>Bighorn Threleaf Sumac</td>
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<tr>
<td><strong>Source:</strong></td>
<td>Jewell Nursery, Inc.</td>
<td><strong>Quantity observed:</strong></td>
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<tr>
<td><strong>PI #:</strong></td>
<td>-0-</td>
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</table>

**Observation Date of Plant:** 9/29/2011

**Plant Habit:** Broad oval

**Plant Height:** 3-5 ft.

**Plant Width:** 5-8 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Rhus trilobata  
Variety: -0-  
Cultivar: Bighorn  
Family: Anacardiaceae  
Tnum: 93121  
Common Name: Bighorn Skunkbush Sumac  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 2

PI #: 483445

Observation Date of Plant: 9/29/2011

Plant Habit: Round to broad oval
Plant Height: 4-5 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Moved Spring of 2003 due to unavoidable construction. Canopy is a little thin but okay overall.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:

Page 835 of 1130
**Scientific Name:** Rhus typhina  
**Variety:** -0-  
**Cultivar:** Laciniata  
**Family:** Anacardiaceae  
**Tsnum:** 78207  
**Common Name:** Cutleaf Staghorn Sumac  
**Source:** Rose Lake Plant Material  
**Quantity observed:** 4  
**PI #:** -0-  

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Spreading  
**Plant Height:** 6 - 8 ft.  
**Plant Width:** 15 - 20 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Light green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, xeriscape, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:**  
**Comments on plant:** Dependable for good fall color and interesting texture.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Aesthetics:** Excellent  
**Fall Color:** orange, yellow, red, purple  
**Date of observation:** 10/6/2008  
**Persistance:** 1-2 weeks  
**Persistence:**  
**Scientific Name:** Rhus typhina  
**Family:** Anacardiaceae  
**Cultivar:** Tiger Eyes  
**Variety:**  
**Tnum:** 03122  
**Common Name:** Tiger Eyes Staghorn Sumac  
**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**Observation Date of Plant:** 10/3/2011

**Plant Habit:** Young, undefined  
**Plant Height:** 3-4 ft.  
**Plant Width:** 1.5 - 3 ft.  
**Current Seasons Growth:** 3-6 in.

**Foliage Color:** Chartreuse  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Vigor seems low for a sumac. May have too much competition from surrounding plants (large spruce) for moisture. Great leaf and petiole color.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Date of observation:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Ribes alpinum
Variety: -0-
Cultivar: -0-  Family: Saxifragaceae  
Tnum: 81314  
Common Name: Alpine Currant
Source: Denver Home And Garden S  Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Broad oval to irregular
Plant Height: 4-6 ft.
Plant Width: 7-9 ft
Current Seasons Growth: 10-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Hedge, specimen, shrub border,

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Irregular growth habit may be due to past snow load. Has regained a fairly normal growth habit by 2008.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Date of observation:  
Persistance:  
Fall Color:
Scientific Name: Ribes alpinum  
Cultivar: Green Mound  
Family: Saxifragaceae  
Common Name: Green Mound Alpine Currant  
Source: Timber Creek Nursery  
Quantity observed: 3  
PI #: -0-  

Tsnnum: 88123  

Observation Date of Plant: 9/26/2012  
Plant Habit: Broad oval  
Plant Height: 3 - 5 ft.  
Plant Width: 6-10 ft.  
Current Seasons Growth: 3-6 in.  

Foliage Color: Dark green  
Bark Characteristics: Not very important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Hedge, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Very dense growth habit and smaller foliage is attractive.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
**Scientific Name:** Ribes alpinum  
**Variety:** -0-  
**Cultivar:** Green Mound  
**Family:** Saxifragaceae  
**Tnum:** 89107  
**Common Name:** Green Mound Alpine Currant  
**Source:** Synnestvedt Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 9/17/2012  
**Plant Habit:** Broad oval  
**Plant Height:** 4 - 5 ft.  
**Plant Width:** 6 - 9 ft.  
**Current Seasons Growth:** 2-5 in.  

**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Hedge, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:** Mites  
**Pest Severity:** Moderate injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**  

**Observation Date of Flowers:** 4/26/2006  
**Flower Color:** Pale yellow  
**Flower Type:** Cluster  
**Flower Effect:** Poor  
**% of Flower Coverage:** 90-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Flowers are too tiny to be very showy.  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Ribes alpinum</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Pumilum</td>
<td>Tnum: 95059</td>
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<tr>
<td>Common Name:</td>
<td>Pumilum Currant</td>
<td></td>
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<tr>
<td>Source:</td>
<td>Sjulin Nurseries</td>
<td>Quantity observed: 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PI #:</td>
</tr>
</tbody>
</table>

Observation Date of Plant: 9/26/2012
Plant Habit: Broad oval
Plant Height: 3-5 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Nice dense, compact growth habit.

Observation Date of Flowers: 4/29/2003
Flower Color: Green/Yellow
Flower Type: Cluster
Flower Effect: Poor
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
#### Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Ribes alpinum</th>
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<tr>
<td>Cultivar:</td>
<td>Schroeder</td>
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<tr>
<td>Common Name:</td>
<td>Schroeder Currant</td>
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<td></td>
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<tr>
<td>Source:</td>
<td>Sjulin Nurseries</td>
<td>Quantity observed: 2</td>
<td></td>
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**Observation Date of Plant:** 9/26/2012

**Plant Habit:** Broad oval

**Plant Height:** 3-4 ft.

**Plant Width:** 4-5 ft

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** Two plants were rejuvenated in 2007 and slow to come back but would probably look better with full sun.

**Observation Date of Flowers:** 4/22/2003

**Flower Color:** White/Green

**Flower Type:** Cluster

**Flower Effect:** Fair

**% of Flower Coverage:** 76-100%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**

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*Page 842 of 1130*
### Scientific Name: Ribes alpinum

**Cultivar:** Spreg  
**Family:** Saxifragaceae  
**Common Name:** Green Jeans Alpine Currant  
**Source:** Bailey Nurseries  
**Quantity observed:** 3  
**Tnum:** 03125  
**PI #:**

**Observation Date of Plant:** 9/26/2012

**Plant Habit:** Upright, irregular  
**Plant Height:** 3-4 ft.  
**Plant Width:** 4-8 ft.  
**Current Seasons Growth:** 12-24 in.

**Foliage Color:** Light to medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Hedge, shrub border

**Overall Plant Health:** Fair to good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in arboretum in 2003. Growth habit isn't very attractive but may do better in full sun.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Ribes americanum

Family: Saxifragaceae

Common Name: American Black Currant

Source: Denver Botanic Gardens

Quantity observed: 3

Observation Date of Plant: 9/26/2012

Plant Habit: Irregular, upright

Plant Height: 4-5 ft.

Plant Width: 6-8 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease: Leaf spot

Disease Severity: Severe injury

Cultural Problems:

Nuisances: No

Recommended: No

Comments on plant: Leaf spot disease always seems to make this plant defoliate early. Two of three plants were rejuvenated in 2008. Third plant is about to be swallowed by neighboring plant.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Nice fragrance.

Fall Color or Fruit: Fall color

Date of observation: 10/6/2008

Aesthetics: Good

Persistance: 1-2 weeks

Fall Color: Red
### Scientific Name: Ribes odoratum  
**Family:** Saxifragaceae  
**Tnum:** 84202  
**Variety:** -0-

### Common Name: Clove Currant  
**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**PI #:** -0-

### Observation Date of Plant: 9/26/2012  
**Plant Habit:** Irregular  
**Plant Height:** 3-5 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 1-3 ft.

### Foliage Color: Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen, shrub border

### Overall Plant Health: Poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Leaf spot  
**Disease Severity:** Moderate injury  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Disease causes early defoliation and is not attractive in late summer. Was rejuvenated but slow to return.

### Observation Date of Flowers: 4/26/2006  
**Flower Color:** Yellow  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 20-30%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Great fragrance.

### Fall Color or Fruit: Fall color  
**Date of observation:** 9/26/2012  
**Aesthetics:** Very good  
**Persistance:** 1-2 weeks  
**Fall Color:** Dark red
<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Ribes sanguineum</th>
<th><strong>Variety:</strong></th>
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<tr>
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<td>White Icicle</td>
<td><strong>Family:</strong></td>
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<td>White Icicle Flowering Currant</td>
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<td><strong>Tsnum:</strong></td>
<td>03006</td>
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<td><strong>Observation Date of Plant:</strong></td>
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<tr>
<td><strong>Plant Habit:</strong></td>
<td>Upright, irregular</td>
<td></td>
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<tr>
<td><strong>Plant Height:</strong></td>
<td>2-3.5 ft.</td>
<td></td>
<td></td>
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<tr>
<td><strong>Plant Width:</strong></td>
<td>2.5-3.5 ft.</td>
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<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>2-3 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Foliage Color:</strong></td>
<td>Medium green</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Bark Characteristics:</strong></td>
<td>Not very important</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Plant Summer Texture:</strong></td>
<td>Medium</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aesthetic Plant Quality:</strong></td>
<td>Poor</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Landscape Uses:</strong></td>
<td>Shrub border, specimen</td>
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<td></td>
</tr>
<tr>
<td><strong>Overall Plant Health:</strong></td>
<td>Fair</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Insect Pests:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pest Severity:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Plant Disease:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Disease Severity:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cultural Problems:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Nuisances:</strong></td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recommended:</strong></td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Comments on plant:</strong></td>
<td>Planted in arboretum in 2003. Seems to die back to the ground each winter - not hardy for this area. Has slight chlorosis. Growth habit is very irregular.</td>
<td></td>
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**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistence:**
<table>
<thead>
<tr>
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<th>Ribes species</th>
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<tr>
<td><strong>Variety:</strong></td>
<td>-0-</td>
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<tr>
<td><strong>Family:</strong></td>
<td>Saxifragaceae</td>
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<tr>
<td><strong>Tsnm:</strong></td>
<td>85175</td>
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<tr>
<td><strong>Common Name:</strong></td>
<td>Currant</td>
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<tr>
<td><strong>Cultivar:</strong></td>
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<tr>
<td><strong>Source:</strong></td>
<td>Unknown</td>
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<tr>
<td><strong>Quantity observed:</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>PI #:</strong></td>
<td>NA293896</td>
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**Observation Date of Plant:** 9/26/2012  
**Plant Habit:** Upright oval to irregular  
**Plant Height:** 5-6 ft.  
**Plant Width:** 5-6 ft.  
**Current Seasons Growth:** 6-12 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Leaf spot  
**Disease Severity:** Moderate injury  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Disease causes early defoliation and is not attractive in late summer.

**Observation Date of Flowers:** 4/26/2006  
**Flower Color:** Yellow  
**Flower Type:** Cluster  
**Flower Effect:** Fair  
**% of Flower Coverage:** 35-50%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/10/2004  
**Aesthetics:** Fair  
**Persistance:** 1-2 weeks  
**Fall Color:** red

---

Page 847 of 1130
Scientific Name: Ribes species  
Variety: -0-  
Family: Saxifragaceae  
Tnum: 78053

Common Name: Holland Lang Currant
Source: Alaska Plant Material Center  
Quantity observed: 2  
PI #: -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Round
Plant Height: 2-4 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Shrub border

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No
Comments on plant: One of two rejuvenated in 2008 to try and improve vigor but slow to come back and near death.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistance: 

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Ribes uva-crispa
Cultivar: Red Jacket
Family: Grossulariaceae
Variety:
Tsunum: 03162

Common Name: Comanche Gooseberry
Source: Fort Collins Nursery
Quantity observed: 3

Observation Date of Plant: 10/21/2011
Plant Habit: Broad oval
Plant Height: 1.5 - 3 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Barrier, fruit, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Fall Color or Fruit: Comanche Gooseberry
Aesthetics: Good
Fall Color: Red

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Comanche Gooseberry
Aesthetics: Good
Date of observation:
Persistance:

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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Robina pseudoacacia</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Frisia</td>
<td>Family:</td>
<td>Leguminosae</td>
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<tr>
<td>Common Name:</td>
<td>Frisia Locust</td>
<td>Tnum:</td>
<td>06036</td>
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<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed:</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/2/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright, irregular</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>12-18 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>10-15 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>1-2 ft.</td>
</tr>
</tbody>
</table>

| Foliage Color:             | Yellow/green |
| Bark Characteristics:      | Unimportant |
| Plant Summer Texture:      | Medium      |
| Aesthetic Plant Quality:   | Good        |
| Landscape Uses:            | Specimen, difficult sites |

| Overall Plant Health:      | Good|
| Insect Pests:              | Borers |
| Pest Severity:             | Minor injury |
| Plant Disease:             | |
| Disease Severity:          | |
| Cultural Problems:         | |
| Nuisances:                 | Yes |
| Recommended:               | Yes |
| Comments on plant:         | Planted in 2007. One tree is flopping/bending as if trunk is too weak but other two looks good. |

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
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<tbody>
<tr>
<td>Flower Color:</td>
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<tr>
<td>Flower Type:</td>
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<td>Flower Effect:</td>
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<tr>
<td>% of Flower Coverage:</td>
<td></td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td></td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td></td>
</tr>
</tbody>
</table>

| Fall Color or Fruit:         | Date of observation: |
| Aesthetics:                  | Persistance: |
| Fall Color:                  | |

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Scientific Name: Robinia hispida x macrophylla

Cultivar: Globe  
Family: Fabaceae  
Variety:  
Tnum: 96077

Common Name: Flowering Loose Globe Locust

Source: Carlton Plants

Quantity observed: 1

PI #:

Observation Date of Plant: 9/15/2011

Plant Habit: Round

Plant Height: 10 - 15 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests: Borer

Pest Severity: Severe injury

Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: No

Recommended: No

Comments on Plant: Susceptible to snow damage due to congested branching. Looks good even if in dry conditions. Borers are causing severe weakening of branches resulting in 25-30% of canopy breaking out of tree with just mild breezes.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:  
Date of observation:

Persistance:
<table>
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<tr>
<th><strong>Scientific Name:</strong> Robinia hispida x macrophylla</th>
<th><strong>Variety:</strong></th>
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<tbody>
<tr>
<td><strong>Cultivar:</strong> Pendula</td>
<td><strong>Family:</strong> Leguminosae</td>
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<tr>
<td><strong>Common Name:</strong> Flowering Loose Globe Locust</td>
<td><strong>Tnum:</strong> 01020</td>
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<tr>
<td><strong>Source:</strong> Carlton Plants</td>
<td><strong>Quantity observed:</strong> 1</td>
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<tr>
<td><strong>Observation Date of Plant:</strong> 10/9/2012</td>
<td><strong>PI #:</strong></td>
</tr>
</tbody>
</table>

**Plant Habit:** Round to irregular  
**Plant Height:** 6-8 ft.  
**Plant Width:** 6-8 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Suckering is prolific and aggressive. Will swallow up tree if not pruned regularly. Planted in 2004.

**Observation Date of Flowers:** 6/5/2006  
**Flower Color:** Purple  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 60-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**

Page 852 of 1130
Scientific Name: *Robinia neomexicana*  
Variety:  
Cultivar:  
Family: Fabaceae  
Tnum: 00064  
Common Name: Locust  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 1  
PI #: -  

**Observation Date of Plant:** 10/2/2012  
**Plant Habit:** Upright, irregular  
**Plant Height:** 10-17 ft.  
**Plant Width:** 10-15 ft.  
**Current Seasons Growth:** 24-36 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Barrier (thorns), Specimen, Difficult sites  

**Overall Plant Health:** Good  
**Insect Pests:** Borers  
**Pest Severity:** Moderate injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Spines on branches  
**Recommended:** Yes  
**Comments on Plant:** Planted in 2005. Foliage seems to have a shade of gray/blue to the green.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:** Yes  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**  

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Scientific Name: Robinia pseudoacacia
Cultivar: Contorted
Family: Fabaceae
Tnum: 96078

Common Name: Contorted Black Locust
Source: Carlton Plants
Quantity observed: 3

Observation Date of Plant: 10/2/2012
Plant Habit: Upright, irregular
Plant Height: 15-20 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair
Insect Pests: Borers
Pest Severity: Moderate injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Moved in 2003 due to unavoidable construction. Canopy is thin and probably due to borers. May need systemic insecticide for long term viability.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
**Scientific Name:** Robinia pseudoacacia  
**Cultivar:** Inermis  
**Family:** Fabaceae  
**Variety:**  
**Tsnum:** 08006  
**Common Name:** Globe Locust  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 10/6/2012  
**Plant Habit:** Round  
**Plant Height:** 8-9 ft.  
**Plant Width:** 6-8 ft.  
**Current Seasons Growth:** 10-15 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen  
**Overall Plant Health:** Good  
**Insect Pests:** Borers  
**Pest Severity:** Slight injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
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<td>Lace Lady</td>
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<td>Common Name:</td>
<td>Twisty Baby Black Locust</td>
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<tr>
<td>Plant Habit:</td>
<td>Irregular</td>
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<td>Plant Height:</td>
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<td>Current Seasons Growth:</td>
<td>3-6 in.</td>
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<td>Bark Characteristics:</td>
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<td>Plant Disease:</td>
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<td>Disease Severity:</td>
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<td>Cultural Problems:</td>
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<tr>
<td>Nuisances:</td>
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<tr>
<td>Recommended:</td>
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<tr>
<td>Comments on plant:</td>
<td>Planted in 2011 - too soon to recommend.</td>
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**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Robinia pseudoacacia  
**Variety:**  
**Cultivar:** Monophylla  
**Family:** Fabaceae  
**Tsum:** 10009  
**Common Name:** Black Locust  
**Source:** Carlton Plants  
**Quantity observed:** 4  
**PI #:**  

**Observation Date of Plant:** 10/2/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 7-10 ft  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 12-18 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, difficult sites  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
### Scientific Name: Robinia pseudoacacia
### Variety: 
### Tsnum: 08025
### Cultivar: Purple Robe  
### Family: Fabaceae
### Common Name: Purple Robe Black Locust
### Source: Carlton Plants
### Quantity observed: 1

#### Observation Date of Plant: 10/5/2012
#### Plant Habit: Upright oval
#### Plant Height: 8-12 ft.
#### Plant Width: 6-8 ft.
#### Current Seasons Growth: 8-12 in.

- **Foliage Color:** Medium green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Fair
- **Landscape Uses:** Specimen, difficult sites

- **Overall Plant Health:** Fair to poor
- **Insect Pests:** Borers
- **Pest Severity:** Moderate to severe injury
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:** No
- **Recommended:** No
- **Comments on plant:** Canopy is thin due to borer damage on trunk. Planted in 2009.

#### Observation Date of Flowers:
#### Flower Color:
#### Flower Type:
#### Flower Effect:
#### % of Flower Coverage:
#### Bloom Stage:
#### Fruit Present:
#### Comments on Flowers:

- **Fall Color or Fruit:**
- **Date of observation:**
- **Aesthetics:**
- **Persistance:**
- **Fall Color:**
**2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center**  
**Colorado State University, Fort Collins, Colorado**

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<th>Robinia x ambigua</th>
<th>Variety:</th>
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<tbody>
<tr>
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<td>Idahoensis</td>
<td>Family:</td>
<td>Leguminosae</td>
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<tr>
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<td>Source:</td>
<td>Milton Nursery</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
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**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 40-50 ft.  
**Plant Width:** 30-40 ft.  
**Current Seasons Growth:** 10-15 in

- **Foliage Color:** Medium green  
- **Bark Characteristics:** Intermediate importance  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Good  
- **Landscape Uses:** Specimen, difficult sites  
- **Overall Plant Health:** Fair  
- **Insect Pests:** Borers  
- **Pest Severity:** Slight injury  
- **Plant Disease:**  
- **Disease Severity:**  
- **Cultural Problems:**  
- **Nuisances:** Yes  
- **Recommended:** Yes  
- **Comments on plant:** Appears to have survived the infestations of borers that was a significant problem in the past. Might grow wider if it had more room.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**
**Persistance:**
### Scientific Name: Rosa
### Cultivar: CP 01 2701 Meitroni
### Family: Rosaceae
### Tnum: 11036
### Variety: 
### Common Name: Hybrid Rose
### Source: The Conard Pyle Co.
### Quantity observed: 1

#### Observation Date of Plant: 9/30/2011
#### Plant Habit: Upright oval
#### Plant Height: 1-2 ft
#### Plant Width: 12-18 in.
#### Current Seasons Growth: 6-12 in.

- **Foliage Color:** Medium green
- **Bark Characteristics:** Intermediate importance
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Barrier, specimen, shrub border

#### Overall Plant Health: Good

- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:** n/a
- **Recommended:** n/a

**Comments on plant:** Planted in 2011 - too soon to recommend.

#### Observation Date of Flowers:
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:**

**Date of observation:**
**Persistance:**
**Scientific Name:** Rosa  
**Cultivar:** CP 02 3501  
**Family:** Rosaceae  
**Tnum:** 11034  
**Variety:**  
**Common Name:** Hybrid Rose  
**Source:** The Conard Pyle Co.  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Young, undefined  
**Plant Height:** 12-18 in.  
**Plant Width:** 12-18 in.  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Barrier, specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend.  

**Observation Date of Flowers:** 9/30/2011  
**Flower Color:** White and pink  
**Flower Type:** Single  
**Flower Effect:** Good  
**% of Flower Coverage:** 10%  
**Bloom Stage:** Past peak  
**Fruit Present:**  
**Comments on Flowers:** Buds have dark red edges on petals  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Scientific Name: Rosa  
Variety:  
Cultivar: CP 03 4131  
Family: Rosaceae  
Tnum: 11033  
Scientific Name: Rosa  
Cultivar: CP 03 4131  
Family: Rosaceae  
Tnum: 11033  

Common Name: Hybrid Rose  
Source: The Conard Pyle Co.  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 9/30/2011  
Plant Habit: Young, undefined  
Plant Height: 12-18 in.  
Plant Width: 12-18 in.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Barrier, specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: n/a  
Comments on plant: Planted in 2011 - too soon to recommend.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
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<td>Cultivar:</td>
<td>CP 98 1537</td>
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<td>Common Name:</td>
<td>Hybrid Rose</td>
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<tr>
<td>Source:</td>
<td>The Conard Pyle Co.</td>
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<tr>
<td>Quantity observed:</td>
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| Observation Date of Plant: | 9/30/2011              |
| Plant Habit:              | Young, undefined       |
| Plant Height:             | 12-18 in.              |
| Plant Width:              | 12-18 in.              |
| Current Seasons Growth:   | 6-12 in.               |

| Foliage Color:            | Medium green            |
| Bark Characteristics:     | Intermediate importance|
| Plant Summer Texture:     | Medium                  |
| Aesthetic Plant Quality:  | Good                    |
| Landscape Uses:           | Barrier, specimen, shrub border |

| Overall Plant Health:     | Good                    |
| Insect Pests:             |                         |
| Pest Severity:           |                         |
| Plant Disease:           |                         |
| Disease Severity:        |                         |
| Cultural Problems:       |                         |
| Nuisances:               | n/a                     |
| Recommended:             | n/a                     |

| Comments on plant:       | Planted in 2011 - too soon to recommend. |

| Observation Date of Flowers: |       |
| Flower Color:                |       |
| Flower Type:                 |       |
| Flower Effect:               |       |
| % of Flower Coverage:        |       |
| Bloom Stage:                 |       |
| Fruit Present:               |       |
| Comments on Flowers:         |       |

| Fall Color or Fruit:        |       |
| Aesthetics:                 |       |
| Date of observation:        |       |
| Persistance:                |       |
| Fall Color:                 |       |

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Scientific Name: Rosa
Cultivar: Meikanaro
Family: Rosaceae
Tnum: 11028

Common Name: Sunshine Daydream RoseTM
Source: The Conard Pyle Co.
Quantity observed: 1

PI #:

Observation Date of Plant: 9/30/2011
Plant Habit: Upright oval
Plant Height: 2-3 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
**Scientific Name:** Rosa  
**Variety:**  
**Cultivar:** Meikokan  
**Family:** Rosaceae  
**Tsum:** 11029  
**Common Name:** Tequila Supreme™  
**Source:** The Conard Pyle Co.  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 2-3 ft.  
**Plant Width:** 12-18 in.  
**Current Seasons Growth:** 10-15 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Barrier, specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Scientific Name: Rosa
Cultivar: Meikolima
Family: Rosaceae
Variety: Tsnum: 11032
Common Name: Pink Flamingo Rose TM
Source: The Conard Pyle Co.
Quantity observed: 1

Observation Date of Plant: 9/30/2011
Plant Habit: Upright oval
Plant Height: 3-4 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: n/a
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistence:
Fall Color:
Scientific Name: Rosa  
Cultivar: Meipreston  
Family: Rosaceae  
Tnum: 08042  
Variety:  

Common Name: Ruby Meidiland Rose  
Source: The Conard Pyle Co.  
Quantity observed: 1  

Observation Date of Plant: 8/30/2011  
Plant Habit: Upright, irregular  
Plant Height: 2.5-3.5 ft  
Plant Width: 2-3 ft  
Current Seasons Growth: 8-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Barrier, specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  

Observation Date of Flowers: 7/29/2011  
Flower Color: Red  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 20-30%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers: Smaller bloom but showy in mass.

Fall Color or Fruit:  
Aesthetics:  
Date of observation:  
Persistance:  
Fall Color:
### Scientific Name: Rosa
### Cultivar: Radprov
### Family: Rosaceae
### Variety:
### Tnum: 11030
### Common Name: Orchard Romance Rose TM
### Source: The Conard Pyle Co.
### Quantity observed: 1
### PI #: 

#### Observation Date of Plant: 9/30/2011
#### Plant Habit: Upright oval
#### Plant Height: 1-2 ft.
#### Plant Width: 12-18 in.
#### Current Seasons Growth: 6-8 in.

#### Foliage Color: Medium green
#### Bark Characteristics: Intermediate importance
#### Plant Summer Texture: Medium
#### Aesthetic Plant Quality: Good
#### Landscape Uses: Barrier, specimen, shrub border

#### Overall Plant Health: Good
#### Insect Pests:
#### Pest Severity:
#### Plant Disease:
#### Disease Severity:
#### Cultural Problems:
#### Nuisances: n/a
#### Recommended: Planted in 2011 - too soon to recommend.

#### Observation Date of Flowers: 9/30/2011
#### Flower Color: Pink
#### Flower Type: Single
#### Flower Effect: Fair
#### % of Flower Coverage: 5%
#### Bloom Stage: Past peak
#### Fruit Present:
#### Comments on Flowers:

#### Fall Color or Fruit: 
#### Aesthetics: Date of observation: 
#### Fall Color: Persistance: 

Page 868 of 1130
### Scientific Name: Rosa
- **Variety:**
- **Tsnum:** 08040

### Cultivar: Radrazz
- **Family:** Rosaceae

### Common Name: Knock Out Rose

### Source: The Conard Pyle Co.
- **Quantity observed:** 2

### Observation Date of Plant: 8/30/2011

### Plant Habit: Round
- **Plant Height:** 1-2 ft
- **Plant Width:** 2-2.5 ft
- **Current Seasons Growth:** 6-12 in.

### Foliage Color: Dark green
### Bark Characteristics: Intermediate importance
### Plant Summer Texture: Medium
### Aesthetic Plant Quality: Good
### Landscape Uses: Hedge, barrier, specimen, shrub border

### Overall Plant Health: Fair

### Insect Pests:
- **Pest Severity:**
- **Plant Disease:
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:**
- **Recommended:** Yes
  

### Observation Date of Flowers: 8/29/2011
- **Flower Color:** Pink
- **Flower Type:** Cluster
- **Flower Effect:** Good
- **% of Flower Coverage:** 30%
- **Bloom Stage:** Flowers open
- **Fruit Present:**
- **Comments on Flowers:**

### Fall Color or Fruit:  
- **Date of observation:**
- **Aesthetics:**
- **Persistance:**
- **Fall Color:**
**Scientific Name:** Rosa  
**Cultivar:** Radtko  
**Family:** Rosaceae  
**Common Name:** Double Knock Out Rose  
**Source:** The Conard Pyle Co.  
**Quantity observed:** 1  
**Tsun:** 08041

**Observation Date of Plant:** 8/30/2011  
**Plant Habit:** Irregular, upright  
**Plant Height:** 2-3 ft.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Hedge, barrier, specimen, shrub border

**Overall Plant Health:** Fair  
**Insect Pests:** Spider mites  
**Pest Severity:** Slight injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Planted in 2009. Vigor seems low but may be getting too much shade from nearby trees.

**Observation Date of Flowers:** 8/29/2011  
**Flower Color:** Deep pink  
**Flower Type:** Single  
**Flower Effect:** Fair to good  
**% of Flower Coverage:** 10-15%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Vibrant color

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Rosa  
Cultivar: Sprothrive  
Family: Rosaceae  
Common Name: Thrive! Rose TM  
Source: The Conard Pyle Co.  
Quantity observed: 1  
PI #:  

Tsun: 11031

Observation Date of Plant: 9/30/2011
Plant Habit: Upright oval
Plant Height: 2-3 ft.
Plant Width: 12-18 in.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: n/a
Comments on Plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers: 9/30/2011
Flower Color: Dark, velvety red
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 30%
Bloom Stage: Past peak
Fruit Present:  
Comments on Flowers: Great color.

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  

Date of observation:  
Persistance:  

Page 871 of 1130
Scientific Name: Rosa acicularis  Variety: -0-
Cultivar: -0-  Family: Rosaceae  Tsnm: 78052
Common Name: Rose  Source: Alaska Plant Material Center  Quantity observed: 1  PI #: -0-
Observation Date of Plant: 8/30/2011
Plant Habit: Upright
Plant Height: 5-6 ft.
Plant Width: 8-12 ft
Current Seasons Growth: 2 - 5 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Observation Date of Flowers: 5/8/2006
Flower Color: Pink
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Seem to be early this year but unusually showy.

Fall Color or Fruit: Fall color  Date of observation: 10/6/2008
Aesthetics: Fair  Persistance: 1-2 weeks
Fall Color: Mostly bronze/red but also some dark purple
## 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Rosa glauca</th>
<th>Variety:</th>
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### Observation Date of Plant:
8/30/2011

### Plant Habit:
Irregular

### Plant Height:
3-5 ft.

### Plant Width:
3-4 ft.

### Current Seasons Growth:
8-24 in.

### Foliage Color:
Blue/green

### Bark Characteristics:
Intermediate importance

### Plant Summer Texture:
Coarse

### Aesthetic Plant Quality:
Excellent

### Landscape Uses:
Barrier (thorns), Specimen, Shrub border

### Overall Plant Health:
Excellent

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:
Yes

### Recommended:
Yes

### Comments on Plant:
Planted in 2010 but had almost no dieback and was best of all roses for winter hardiness.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Date of observation:

### Aesthetics:

### Persistance:

### Fall Color:
Scientific Name: Rosa rubrifolia  Variety: -
Cultivar: -  Family: Rosaceae  Tsnum: 78208
Common Name: Rose  Quantity observed: 1
Source: Unknown  PI #: -

Observation Date of Plant: 8/30/2011
Plant Habit: Arching
Plant Height: 3-4 ft.
Plant Width: 2-3 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: No
Recommended: No
Comments on plant: Low vigor again this year - due to old age and decline. Near death. Removal of old canes has only stimulated minor new growth.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  Date of observation: 10/6/2008
Aesthetics: Good  Persistance: 1-2 weeks
Fall Color: Red
Scientific Name: Rosa x  
Cultivar: Meijecycka  
Family: Rosaceae  
Common Name: Limoncello Rose  
Source:  
Quantity observed: 1  
PI #: 

Observation Date of Plant: 9/30/2011  
Plant Habit: Young, undefined  
Plant Height: 2-3 ft.  
Plant Width: 2-3 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: n/a  
Recommended: n/a  
Comments on plant: Planted in 2011 - too soon to recommend. 

Observation Date of Flowers: 9/30/2011  
Flower Color: Light yellow  
Flower Type: Single  
Flower Effect: Fair  
% of Flower Coverage: 5%  
Bloom Stage: Past peak  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

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**Scientific Name:** Rosa x  
**Cultivar:** Meiklutz  
**Family:** Rosaceae  
**Tsunm:** 07018  
**Common Name:** Fairy Meidiland Rose  
**Source:** The Conard Pyle Co.  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 8/30/2011  
**Plant Habit:** Irregular, arching, open  
**Plant Height:** 3-4.5 ft.  
**Plant Width:** 6-8 ft  
**Current Seasons Growth:** 3-4 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Barrier, specimen, shrub border  

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Planted in 2008. One of two appears weak and moderately chlorotic.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Date of observation:**  
**Persistance:**  
**Fall Color:**

---

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<td>Meizmea</td>
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<td>Common Name:</td>
<td>Carefree Spirit Rose</td>
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<td>Plant Habit:</td>
<td>Upright oval to round</td>
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<td>Plant Height:</td>
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<tr>
<td>Plant Width:</td>
<td>3-4 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>6-12 in.</td>
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<td>Foliage Color:</td>
<td>Medium to dark green</td>
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<td>Plant Summer Texture:</td>
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<td>Landscape Uses:</td>
<td>Barrier, specimen, shrub border</td>
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<td>Overall Plant Health:</td>
<td>Good to excellent</td>
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<td>Insect Pests:</td>
<td>Spider mites</td>
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<td>Disease Severity:</td>
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<tr>
<td>Comments on plant:</td>
<td>Nice compact growth habit with very little winter dieback.</td>
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| Observation Date of Flowers: | 8/3/2011 |
| Flower Color:                | Red to deep pink |
| Flower Type:                 | Cluster |
| Flower Effect:               | Excellent |
| % of Flower Coverage:        | 40% |
| Bloom Stage:                 | Flowers open |
| Fruit Present:               | |
| Comments on Flowers:         | Has showy masses of flowers |

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
</tr>
</tbody>
</table>
Scientific Name: Rosa x  
Cultivar: Radral  
Family: Rosaceae  
Common Name: Carefree Celebration Rose  
Source: The Conard Pyle Co.  
Quantity observed: 3  
PI #:  

Tsunum: 07017

Observation Date of Plant:  8/30/2011
Plant Habit: Irregular, upright
Plant Height: 2-4 ft
Plant Width: 2-4 ft
Current Seasons Growth:  6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good to fair
Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good to fair
Insect Pests:  
Pest Severity: 
Plant Disease:  
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes

Observation Date of Flowers: 8/29/2011
Flower Color: Apricot/pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 20%
Bloom Stage: Flowers open
Fruit Present:  
Comments on Flowers: 

Fall Color or Fruit:  
Aesthetics: 
Fall Color:  
Date of observation: 
Persistence: 

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Scientific Name: Rosa x
Cultivar: Radtkopink  Family: Rosaceae
Common Name: Double Pink Knock Out Rose
Source: The Conard Pyle Co.  Quantity observed: 3

Tsun: 07019

Observation Date of Plant: 8/30/2011
Plant Habit: Irregular, upright
Plant Height: 2-3 ft
Plant Width: 2-3.5 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes


Observation Date of Flowers: 8/29/2011
Flower Color: Pink
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 25%
Bloom Stage: Flowers open

Fruit Present:
Comments on Flowers: Vibrant color

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
**Scientific Name:** Rosa x  
**Cultivar:** Radwhite  
**Family:** Rosaceae  
**Tnum:** 07021  

**Common Name:** White Out Rose  
**Source:** The Conard Pyle Co.  
**Quantity observed:** 3  
**PI #:** CPO44461

**Observation Date of Plant:** 8/30/2011  
**Plant Habit:** Broad oval, compact habi  
**Plant Height:** 20-36 in.  
**Plant Width:** 2.5-3.5 ft.  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Hedge, barrier, specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2008. Two of three had about 30% of canopy removed due to dieback.

**Observation Date of Flowers:** 7/29/2011  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 30%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Plants have 2-2.5” single white blooms.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
**Scientific Name:** Rosa x  
**Variety:**  
**Cultivar:** Ruby Voo Doo  
**Family:** Rosaceae  
**Tsum:** 10127  
**Common Name:** Ruby Voo Doo  
**Source:** Plant Select/DBG  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 8/30/2011  
**Plant Habit:** Upright, irregular  
**Plant Height:** 2-3 ft  
**Plant Width:** 1-2 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Barrier (thorns), Specimen, Shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2010. Removed about 20% of canopy due to dieback in 2011.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
Scientific Name: Rubus x tridel  

Variety:  

Cultivar: Beneden  

Family: Rosaceae  

Tnum: 97250  

Common Name: Benenden Thimbleberry  

Source: Fort Collins Nursery  

Quantity observed: 1  

PI #:  

Observation Date of Plant: 10/21/2011  

Plant Habit: Broad oval  

Plant Height: 5-6 ft.  

Plant Width: 7-9 ft  

Current Seasons Growth: 2-4 ft.  

Foliage Color: Medium green  

Bark Characteristics: Not very important  

Plant Summer Texture: Coarse  

Aesthetic Plant Quality: Fair  

Landscape Uses: Wildlife, specimen, shrub border  

Overall Plant Health: Good  

Insect Pests:  

Pest Severity:  

Plant Disease:  

Disease Severity:  

Cultural Problems:  

Nuisances: Yes  

Recommended:  

Comments on plant: Never have noticed much fruit but may be in too much shade. Growth habit is a little leggy.  

Observation Date of Flowers: 5/10/2006  

Flower Color: White  

Flower Type: Single  

Flower Effect: Good  

% of Flower Coverage: 26-50%  

Bloom Stage: Flowers open  

Fruit Present:  

Comments on Flowers: Flowers are 1.5-2.0 inches across and are showy but relatively few compared to something like a mockorange or spirea.  

Fall Color or Fruit:  

Date of observation:  

Aesthetics:  

Persistance:  

Fall Color:
Scientific Name: Salix alba  
Cultivar: Altra  
Family: Salicaceae  
Common Name: Altra White Willow  
Source: Unknown  
Quantity observed: 1  
Tsum: 78209

Observation Date of Plant: 9/25/2012
Plant Habit: Becoming broad oval, m
Plant Height: 50-55 ft.
Plant Width: 60-70 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, erosion control, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Seems to have better resistance to canker than most Salix.

Observation Date of Flowers: 4/1/2003
Flower Color: Lt. Yellow
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Golden yellow
Date of observation: 10/6/2008
Persisting: 1-2 weeks
### Scientific Name: Salix alba  
**Variety:**  
**Family:** Salicaceae  
**Tsnum:** 94002  
**Cultivar:** Britzensis  
**Common Name:** Brilliant Redtwigged Willow  
**Source:** Sjulin Nurseries  
**Quantity observed:** 2  
**PI #:**  

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>10/5/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Upright oval</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>45-55 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>30-40 ft</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>12-18 in.</td>
</tr>
</tbody>
</table>

- **Foliage Color:** Medium to dark green  
- **Bark Characteristics:** Intermediate importance  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Fair  
- **Landscape Uses:** Specimen, erosion control  
- **Overall Plant Health:** Fair  
- **Insect Pests:** Aphids  
- **Pest Severity:** Moderate injury  
- **Plant Disease:** Canker  
- **Disease Severity:** Moderate injury 10-20% of canopy is affected  
- **Cultural Problems:**  
  - **Nuisances:** Marginal  
  - **Recommended:** Marginal  
  - **Comments on plant:** Twigs are attractive all year long but less in the summer.

#### Observation Date of Flowers:  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

- **Fall Color or Fruit:**  
- **Aesthetics:**  
- **Date of observation:**  
- **Persistance:**  
- **Fall Color:**
### Scientific Name: Salix alba
### Variety: Sericea
### Family: Salicaceae
### Tsnum: 94078
### Common Name: Sericea White Willow
### Source: USDA/NC-7, Ames, IA
### Quantity observed: 1
### PI #: A-13708

**Observation Date of Plant:** 9/25/2012

**Plant Habit:** Upright oval

**Plant Height:** 8-12 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 6 - 10 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair to poor

**Landscape Uses:** Specimen, erosion control

**Overall Plant Health:** Fair to poor

**Insect Pests:**

**Pest Severity:**

**Plant Disease:** Canker

**Disease Severity:** Moderate injury

**Cultural Problems:**

**Nuisances:** No

**Recommended:** No

**Comments on plant:** Low vigor. Cankers have killed enough lateral branches to make it unattractive.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
Scientific Name: Salix alba x matsudana
Cultivar: Variety: Tsum: 93144
Common Name: Austree Rocky Mountain Willow
Source: Colorado Springs Quantity observed: 1 PI #:

Observation Date of Plant: 9/25/2012
Plant Habit: Upright oval becoming irregular
Plant Height: 40-50 ft.
Plant Width: 10-20 ft
Current Seasons Growth: 12-30 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, erosion control, large tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Canopy has large gaps due to breakage. Has minor branch dieback due to canker. Growth habit is unattractive.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Salix caprea  
Variety: -0-  
Family: Salicaceae  
Tnum: 84191  

Common Name: Pussy Willow  
Source: Skinner Wholesale Nursery  
Quantity observed: 3  

Observation Date of Flowers: 3/15/2012  
Flower Color: Silver/Yellow  
Flower Type: Cluster  
Flower Effect: Fair  
% of Flower Coverage: 50-60%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  

Overall Plant Health: Poor to fair  
Insect Pests:  
Pest Severity:  
Plant Disease: Canker  
Disease Severity: Moderate to severe injury  
Cultural Problems: Crowded by nearby plants - needs more sun  
Nuisances:  
Recommended: Marginal  
Comments on plant: All three plants have lost major limbs due to canker or storm damage and have questionable aesthetics. May be okay if rejuvenated.  

Observation Date of Plant: 9/27/2012  
Plant Habit: Upright oval becoming irr  
Plant Height: 15-20 ft.  
Plant Width: 15-20 ft.  
Current Seasons Growth: 12-24 in  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Poor  
Landscape Uses: Specimen, shrub border, erosion control  

Date of observation:  
Persistance:  

Fall Color:  
Aesthetics:  
Date of observation:  
Persistance:  

Page 887 of 1130
### Scientific Name: **Salix caprea**  
**Cultivar:** Rosea  
**Family:** Salicaceae  
**Common Name:** French Pink Pussy Willow  
**Source:** Greenleaf Nursery Co.  
**Quantity observed:** 3  
**PI #:** -0-  
**Tsnun:** 92259

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>9/25/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Upright oval</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>25-30 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>10-12 ft</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>8-12 in</td>
</tr>
</tbody>
</table>

| **Foliage Color:** | Medium green |
| **Bark Characteristics:** | Unimportant |
| **Plant Summer Texture:** | Medium |
| **Aesthetic Plant Quality:** | Fair |
| **Landscape Uses:** | Specimen, shrub border |

| **Overall Plant Health:** | Fair |
| **Insect Pests:** | |
| **Pest Severity:** | |
| **Plant Disease:** | Canker |
| **Disease Severity:** | Moderate injury |
| **Cultural Problems:** | |
| **Nuisances:** | Marginal |

**Comments on plant:** This cultivar has a much more controlled and uniform growth habit than the straight species. Moderate to severe twig dieback from canker on one of three plants.

<table>
<thead>
<tr>
<th><strong>Observation Date of Flowers:</strong></th>
<th>4/1/2006</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flower Color:</strong></td>
<td>Silver and yellow</td>
</tr>
<tr>
<td><strong>Flower Type:</strong></td>
<td>Cluster</td>
</tr>
<tr>
<td><strong>Flower Effect:</strong></td>
<td>Good</td>
</tr>
<tr>
<td><strong>% of Flower Coverage:</strong></td>
<td>60-80%</td>
</tr>
<tr>
<td><strong>Bloom Stage:</strong></td>
<td>Flowers opening</td>
</tr>
<tr>
<td><strong>Fruit Present:</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Fall Color or Fruit:</strong></th>
<th><strong>Date of observation:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aesthetics:</strong></td>
<td><strong>Perstiance:</strong></td>
</tr>
<tr>
<td><strong>Fall Color:</strong></td>
<td></td>
</tr>
</tbody>
</table>

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Scientific Name: Salix discolor  
Variety: -0-  
Cultivar: -0-  
Family: Salicaceae  
Tnum: 84192  

Common Name: Pussy Willow  
Source: Skinner Wholesale Nursery I  
Quantity observed: 3  

PI #: -0-  

Observation Date of Plant: 9/26/2012  
Plant Habit: Upright oval  
Plant Height: 22-30 ft.  
Plant Width: 18-24 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to poor  
Landscape Uses: Specimen, native planting, shrub border  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease: Canker  
Disease Severity: Moderate to severe injury  
Cultural Problems:  
Nuisances: Susceptible to storm damage  
Recommended: Marginal  
Comments on plant: Deformed by snow load in 2002. One of three has regained a normal habit by 2008. Two of three have moderate to severe canker damage but third tree looks fairly good.  

Observation Date of Flowers: 3/15/2012  
Flower Color: Silver/Yellow  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 80-90%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  

Date of observation:  
Persistance: 
### Scientific Name: Salix matsudana  
**Variety:** -0-  
**Tsnm:** 93112

<table>
<thead>
<tr>
<th><strong>Cultivar:</strong></th>
<th>Snake</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Family:</strong></td>
<td>Salicaceae</td>
</tr>
<tr>
<td><strong>Common Name:</strong></td>
<td>Snake Willow</td>
</tr>
<tr>
<td><strong>Source:</strong></td>
<td>Greenleaf Nursery Co.</td>
</tr>
<tr>
<td><strong>Quantity observed:</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>PI #:</strong></td>
<td>-0-</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/5/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 55-65 ft.  
**Plant Width:** 25-35 ft.  
**Current Seasons Growth:** 20-36 in.

**Foliage Color:** Dark green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen, erosion control

**Overall Plant Health:** Good  
**Insect Pests:** Aphids  
**Pest Severity:** Minor injury  
**Plant Disease:** Canker  
**Disease Severity:** Slight injury  
**Cultural Problems:**

**Nuisances:** Yes

**Recommended:** Yes  
**Comments on plant:** Less damage from cankers - appears to be resistant. Much better canker resistance than Salix ‘Tortuosa’.

---

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

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**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Salix matsudana  
**Cultivar:** Tortuosa  
**Family:** Salicaceae  
**Common Name:** Corkscrew Willow  
**Source:** Sherman Nursery  
**Quantity observed:** 1  
**Tsnnum:** 89135

**Variety:** -0-  
**Observation Date of Plant:** 9/26/2012

**Plant Habit:** Vase to upright oval and  
**Plant Height:** 25-35 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 1 - 2 ft.

**Foliage Color:** Light green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Canker  
**Disease Severity:** Moderate injury  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Interesting growth habit but cankers are a continual problem. Thirty percent of canopy removed in 2011 due to snow damage.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/23/2004  
**Aesthetics:** Fair  
**Persistance:** 2-4 weeks  
**Fall Color:** yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Salix melanostachys  Variety:  
Cultivar:  Family: Salicaceae  Tnum: 08027  
Common Name: Black Pussy Willow  
Source: Carlton Plants  Quantity observed: 1  PI #:  

Observation Date of Plant: 9/26/2012  
Plant Habit: Irregular  
Plant Height: 1-2 ft.  
Plant Width: 1-2 ft.  
Current Seasons Growth: 1-2 ft.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Poor  
Landscape Uses: Shrub border, erosion control  

Overall Plant Health: Fair to poor  
Insect Pests:  
Pest Severity:  
Plant Disease: Canker  
Disease Severity: Severe injury  
Cultural Problems:  
Nuisances: no  
Recommended: no  
Comments on plant: Planted in 2011. One died almost to ground due to canker and second plant died completely.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Persistance:  
Date of observation:  

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Scientific Name: Salix pentandra  Variety: 
Cultivar: Silver Lake  Family: Salicaceae  Tsnm: 06042
Common Name: Silver Lake Willow  Quantity observed: 1  PI #: Ames 27971

Observation Date of Plant: 9/26/2012
Plant Habit: Young, undefined
Plant Height: 6-9 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Dark green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Slight suckering
Recommended: Yes
Comments on plant: Planted in 2007. Hasn't gained much size for a willow. Foliage is exceptionally attractive.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  Date of observation:  
Aesthetics:  Persistance:  
Fall Color:
Scientific Name: Salix pentandra x sepulcralis  
Variety:  
Cultivar: Prairie Cascade  
Family: Salicaceae  
Tnum: 86156  
Common Name: Prairie Cascade Willow  
Source: Bailey Nurseries  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 9/27/2012  
Plant Habit: Upright oval becoming irreg  
Plant Height: 20-30 ft.  
Plant Width: 20-25 ft.  
Current Seasons Growth: 6-12 in.  
Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Poor  
Landscape Uses: Specimen, large shade tree  

Overall Plant Health: Fair to poor  
Insect Pests:  
Pest Severity:  
Plant Disease: Canker  
Disease Severity: Severe injury  
Cultural Problems:  
Nuisances: No  
Recommended: No  
Comments on plant: Needs regular pruning to look good. 30% of canopy affected by canker and ruining growth habit.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/6/2008  
Aesthetics: Good  
Persistence: 1-2 weeks  
Fall Color: yellow
Scientific Name: Salix purpurea  
Variety:  
Cultivar: Gracilis  
Family: Salicaceae  
Tnum: 84141

Common Name: Dwarf Blueleaf Arctic Willow
Source: Mount Arbor Nursery  
Quantity observed: 3

PI #: -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Broad oval to round
Plant Height: 6-9 ft.
Plant Width: 8-14 ft
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate to severe injury
Cultural Problems:
Nuisances: No
Recommended: No

Comments on plant: Two of three have a lot of brown foliage and dead branches due to canker. Was rejuvenated in 2002.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  
Date of observation:
Aesthetics:  
Persistance:
Fall Color:
Scientific Name: Salix purpurea
Cultivar: Leicestershire
Family: Salicaceae
Common Name: Leicestershire Purpleosier Willow
Source: USDA/NC-7, Ames, IA
Quantity observed: 3

Variety: 
Tsnum: 94080
PI #: PI487629

Observation Date of Plant: 9/14/2010

Plant Habit: Broad oval or round
Plant Height: 8 - 12 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 24-36 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate to severe injury
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Needs some regular pruning to remove dead wood. Over half of plant was made up of dead stems and was rejuvenated 4/1/11. One of three plants is about a fourth as big due to dieback mostly due to cankers on stems.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: 
Date of observation: 
Aesthetics: 
Persistance:
Fall Color: 

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Salix purpurea</th>
<th><strong>Variety:</strong></th>
<th>-0-</th>
<th><strong>Tsnm:</strong></th>
<th>86115</th>
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</thead>
<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>Streamco</td>
<td><strong>Family:</strong></td>
<td>Salicaceae</td>
<td><strong>Quantity observed:</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Common Name:</strong></td>
<td>Streamco Basket Willow</td>
<td><strong>PI #:</strong></td>
<td>-0-</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Source:</strong></td>
<td>Sherman Nursery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Observation Date of Plant:</strong></td>
<td>9/26/2012</td>
<td><strong>Plant Habit:</strong></td>
<td>Round to upright oval</td>
<td><strong>Plant Height:</strong></td>
<td>5-6 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>6-8 ft.</td>
<td><strong>Current Seasons Growth:</strong></td>
<td>6-12 in.</td>
<td></td>
<td></td>
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<tr>
<td><strong>Foliage Color:</strong></td>
<td>Medium green</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Bark Characteristics:</strong></td>
<td>Intermediate importance</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Plant Summer Texture:</strong></td>
<td>Fine</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Aesthetic Plant Quality:</strong></td>
<td>Poor</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td><strong>Landscape Uses:</strong></td>
<td>Shrub border, erosion control</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Overall Plant Health:</strong></td>
<td>Poor</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Insect Pests:</strong></td>
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<tr>
<td><strong>Pest Severity:</strong></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Plant Disease:</strong></td>
<td>Canker</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Disease Severity:</strong></td>
<td>Severe injury</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td><strong>Cultural Problems:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Nuisances:</strong></td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recommended:</strong></td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Comments on plant:</strong></td>
<td>Appears to be fairly susceptible to canker due to extensive dieback and lack of growth since last evaluation. Rejuvenated in 2009.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Salix viminalis  
**Variety:**  
**Cultivar:** Mealy Top  
**Family:** Salicaceae  
**Tnum:** 84237  
**Common Name:** Mealy Top Basket Willow  
**Source:** USDA, Glen Dale, MD  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 9/25/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 8-12 ft.  
**Plant Width:** 10 - 15 ft.  
**Current Seasons Growth:** 3-4 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen, shrub border, erosion control  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:** Canker  
**Disease Severity:** Moderate to severe injury  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Vigor is only related to watersprouts. Might benefit from rejuvenation pruning.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Salix x
Cultivar: Flame
Family: Salicaceae
Common Name: Flame Willow
Source: Bailey Nurseries

Variety: -0- Tsnum: 84201

Observation Date of Plant: 9/25/2012
Plant Habit: Upright oval
Plant Height: 20-28 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair
Insect Pests: 
Pest Severity: 
Plant Disease: Canker
Disease Severity: Moderate injury
Cultural Problems: 
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Has moderate problems with dead branches due to canker.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow
Date of observation: 10/10/2004
Persistace: 1-2 weeks
Scientific Name: Salix x
Cultivar: Globe
Family: Salicaceae
Common Name: Globe Willow
Source: Mount Arbor Nursery

Tsnun: 88079
Variety: -0-
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Broad oval to round
Plant Height: 30-40 ft.
Plant Width: 40-45 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, difficult sites

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on Plant: Decreased in width due to snow damage last October.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 10/28/2003
Aesthetics: Fair
Persistence: 2-4 weeks
Fall Color: yellow
**Scientific Name:** Salix x  
**Cultivar:** Irette  
**Family:** Salicaceae  
**Common Name:** Irette Willow  
**Source:** USDA, Glen Dale, MD  
**Quantity observed:** 1  
**Tnum:** 84231

**Variety:** -0-  
**PI #:** -0-

**Observation Date of Plant:** 9/26/2012

**Plant Habit:** Upright oval
**Plant Height:** 10-15 ft.
**Plant Width:** 8-12 ft

**Current Seasons Growth:** 5-7 ft.

**Foliage Color:** Medium green
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Fine
**Aesthetic Plant Quality:** Poor
**Landscape Uses:** Shrub border, erosion control

**Overall Plant Health:** Fair to poor

**Insect Pests:**
**Pest Severity:**
**Plant Disease:** Canker
**Disease Severity:** Severe injury
**Cultural Problems:**
**Nuisances:** Susceptible to storm damage
**Recommended:** No

**Comments on plant:** 75% of canopy dead due to extensive canker damage. Suckers are vigorous and plant may recover if rejuvenated.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Aesthetics:**
**Fall Color:**

**Date of observation:**
**Persistance:**

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
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<thead>
<tr>
<th>Scientific Name:</th>
<th>Sambucus</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Black Beauty</td>
<td>Family:</td>
<td>Caprifoliaceae</td>
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<tr>
<td>Common Name:</td>
<td>Black Beauty Elder</td>
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<tr>
<td>Source:</td>
<td>Proven Winners</td>
<td>Quantity observed:</td>
<td>3</td>
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</table>

Observation Date of Plant: 10/5/2012

| Plant Habit: | Irregular |
| Plant Height: | 3-5 ft. |
| Plant Width: | 6-8 ft. |
| Current Seasons Growth: | 2-3 ft. |

| Foliage Color: | Dark purple/red |
| Bark Characteristics: | Unimportant |
| Plant Summer Texture: | Coarse |
| Aesthetic Plant Quality: | Good |
| Landscape Uses: | Wildlife, specimen, shrub border |

Overall Plant Health: Good

Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: One plant is slow to establish but doing better in 2012. This cultivar isn't as dark as S. 'Black Lace'.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Scientific Name: Sambucus
Cultivar: Black Lace
Family: Caprifoliaceae
Variety: Black Lace Elder
Tnum: 05101
Source: Proven Winners
Quantity observed: 1

Observation Date of Plant: 10/5/2012
Plant Habit: Broad oval
Plant Height: 3-4 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark purple - close to black
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good to excellent
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Should be very attractive when it gains mature size. Great for garden texture.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
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<td>Source:</td>
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<tr>
<td>Tsum:</td>
<td>91087</td>
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</table>

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Vase, arching  
**Plant Height:** 8 - 12 ft.  
**Plant Width:** 8-12 ft  
**Current Seasons Growth:** 3-5 ft.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen, shrub border  
**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Requires regular pruning too remove dead branches.  
**Nuisances:** Yes  
**Comments on plant:** Nice foliage to add textural interest to landscape.

**Observation Date of Flowers:** 6/12/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 75-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Tiny flowers, delicate appearance  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
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<tr>
<th>Scientific Name:</th>
<th>Sambucus nigra</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Gerda</td>
<td>Family:</td>
<td>Caprifoliaceae</td>
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<tr>
<td>Common Name:</td>
<td>Black Beauty Elderberry</td>
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<td>Source:</td>
<td>Greenleaf Nursery Co.</td>
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<tr>
<td>Quantity observed:</td>
<td>1</td>
<td>PI #:</td>
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</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Upright oval

**Plant Height:** 3-4 ft.

**Plant Width:** 3-4 ft.

**Current Seasons Growth:** 4-6 in.

**Foliage Color:** Dark purple/black

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Wildlife, specimen, shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** n/a

**Recommended:** n/a

**Comments on plant:** Planted in 2011 - too soon to recommend. Would probably look better but spent too much time in the lathhouse.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Scientific Name: Sambucus nigra  
Variety:  
Cultivar: Madonna  
Family: Caprifoliaceae  
Tnum: 06012  
Common Name: Madonna European Alder  
Source: Carlton Plants  
Quantity observed: 2  
PI #:

Observation Date of Plant: 10/5/2012  
Plant Habit: Upright oval  
Plant Height: 3-4 ft.  
Plant Width: 2-3 ft.  
Current Seasons Growth: 1-2 ft.  

Foliage Color: Variegated - light green with yellow edges which fade to white  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Wildlife, specimen, shrub border  

Overall Plant Health: good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Planted in arboretum in 2006. Variegated foliage is brighter toward the tips.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Date of observation:  
Persistance:  
Fall Color:  

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
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Scientific Name: Sambucus pubens
Variety: -0-
Cultivar: -0- Family: Caprifoliaceae
Common Name: Red Elderberry
Source: American Horticultural Society

Quantity observed: 2
PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Vase or irregular
Plant Height: 10-15 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 3-5 ft.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Requires regular pruning too remove dead branches.

Observation Date of Flowers: 5/2/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Fruit became a showy, rich red color.

Fall Color or Fruit: Date of observation:
Aesthetics: Persistence:
Fall Color:
<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Shepherdia argentea</th>
<th><strong>Variety:</strong></th>
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<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td></td>
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<tr>
<td><strong>Common Name:</strong></td>
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<td><strong>Source:</strong></td>
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<td><strong>Quantity observed:</strong></td>
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</table>

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>8/27/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Upright oval to irregular</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>6-7 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>6-8 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>10-15 in.</td>
</tr>
</tbody>
</table>

| **Foliage Color:** | Medium olive gray/green |
| **Bark Characteristics:** | Unimportant |
| **Plant Summer Texture:** | Medium |
| **Aesthetic Plant Quality:** | Good |
| **Landscape Uses:** | Barrier, xeriscape, shrub border, wildlife |

| **Overall Plant Health:** | Good |
| **Insect Pests:** |  |
| **Pest Severity:** |  |
| **Plant Disease:** |  |
| **Disease Severity:** |  |
| **Cultural Problems:** |  |
| **Nuisances:** |  |
| **Recommended:** | Yes |
| **Comments on plant:** | Planted in arboretum in 2005. |

| **Observation Date of Flowers:** |  |
| **Flower Color:** |  |
| **Flower Type:** |  |
| **Flower Effect:** |  |
| **% of Flower Coverage:** |  |
| **Bloom Stage:** |  |
| **Fruit Present:** |  |
| **Comments on Flowers:** |  |

| **Fall Color or Fruit:** |  |
| **Date of observation:** |  |
| **Aesthetics:** |  |
| **Persistance:** |  |
| **Fall Color:** |  |
Scientific Name: Shepherdia argentea  
Variety: -0-  
Family: Elaeagnaceae  
Tnum: 86181

Common Name: Buffaloberry

Source: USDA/NC-7, Ames, IA  
Quantity observed: 2  
PI #: PI478005

Observation Date of Plant: 8/27/2012

Plant Habit: Upright oval or irregular

Plant Height: 10-15 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 6-12 in

Foliage Color: Medium olive green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier, xeriscape, shrub border, wildlife

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would look better if not growing lopsided.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 9/23/2004

Aesthetics: Fair  
Persistance: 1-2 weeks

Fall Color: yellow
Scientific Name: Sibiraea laevigata

Cultivar: -0-

Family: Rosaceae

Common Name: Siberian Spirea

Source: USDA/NC-7

Quantity observed: 2

Tsum: 78119

PI #: -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Irregular to broad oval

Plant Height: 4-5 ft.

Plant Width: 7-9 ft

Current Seasons Growth: 8-15 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests: 

Pest Severity: 

Plant Disease: 

Disease Severity: 

Cultural Problems: 

Nuisances: No

Recommended: No

Comments on plant: Often only looks good in the spring and early summer. Often gets chlorotic around August.

Observation Date of Flowers: 5/22/2006

Flower Color: Cream

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Fruit Present: 

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 9/26/2006

Aesthetics: Fair

Persistance: 1-2 weeks

Fall Color: yellow and orange/red
### Scientific Name: Sophora japonica
**Variety:** -0-
**Tsnm:** 78120

### Family: Leguminosae

### Common Name: Japanese Pagoda Tree

### Source: Milton Nursery
**Quantity observed:** 1  
**PI #:** -0-

### Observation Date of Plant: 9/28/2012

### Plant Habit: Upright oval

### Plant Height: 45-60 ft.

### Plant Width: 35-45 ft.

### Current Seasons Growth: 1 - 2 ft.

### Foliage Color: Medium green

### Bark Characteristics: Intermediate importance

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Residential street, specimen

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended: Yes

### Comments on Plant: Looks good despite past storm damage.

### Observation Date of Flowers: 8/22/2003

### Flower Color: Cream/white

### Flower Type: Cluster

### Flower Effect: Good to fair

### % of Flower Coverage: 30-40%

### Bloom Stage: Flowers open

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Aesthetics:

### Date of observation:

### Persistance:

### Fall Color:
**Scientific Name:** Sophora japonica  
**Cultivar:** Halka  
**Family:** Fabaceae  
**Common Name:** Millstone Japanese Pagodatree  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1

**TSnum:** 00036

**Observation Date of Plant:** 9/28/2012  
**Plant Habit:** Upright oval becoming irregular  
**Plant Height:** 20-25 ft.  
**Plant Width:** 15-25 ft.  
**Current Seasons Growth:** 10-15 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Tree sustained significant storm damage last October that ruined growth habit. This cultivar has fewer twigs with canker than Sophora 'Regent'.

**Observation Date of Flowers:** 8/22/2003  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:** Poor  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:** Not even a hint of flowers this year - possibly in too much shade but doesn't seem likely.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Sorbaria kirikowii</th>
<th>Variety:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td></td>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Falsespirea</td>
<td>Tnum:</td>
<td>02018</td>
</tr>
<tr>
<td>Source:</td>
<td>Sjulin Nurseries</td>
<td>Quantity observed:</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>9/28/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval becoming ro</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>5-8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>8-10 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>2 - 4 ft.</td>
</tr>
</tbody>
</table>

| Foliage Color: | Medium green |
| Bark Characteristics: | Not very important |
| Plant Summer Texture: | Coarse |
| Aesthetic Plant Quality: | Good |
| Landscape Uses: | Specimen, shrub border |

| Overall Plant Health: | Excellent |
| Insect Pests:        |          |
| Pest Severity:       |          |
| Plant Disease:       |          |
| Disease Severity:    |          |
| Cultural Problems:   |          |
| Nuisances:           |          |
| Recommended:         | Yes      |

**Comments on plant:** Growth habit is much more uniform and attractive than most Sorbaria. Suckering appears to be less vigorous. Old bloom/fruit remains and provides winter interest. Probably the best looking Sorbaria in collection.

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Color:</td>
</tr>
<tr>
<td>Flower Type:</td>
</tr>
<tr>
<td>Flower Effect:</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
</tr>
<tr>
<td>Bloom Stage:</td>
</tr>
<tr>
<td>Fruit Present:</td>
</tr>
</tbody>
</table>

**Comments on Flowers:**

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
</tr>
</tbody>
</table>
**Scientific Name:** Sorbaria sorbifolia  
**Variety:** -0-  
**Cultivar:** -0-  
**Family:** Rosaceae  
**Tsnm:** 83178  
**Common Name:** Ural False Spirea  
**Source:** Bailey Nurseries  
**Quantity observed:** 3  
**PI #:** -0-  

**Observation Date of Plant:** 9/28/2011  
**Plant Habit:** Upright  
**Plant Height:** 7-8 ft.  
**Plant Width:** 20-30 ft.  
**Current Seasons Growth:** 2 - 4 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Shrub border, erosion control  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Will colonize surrounding area if given the chance. There is a lot of deadwood to remove due to unknown cause.

**Observation Date of Flowers:** 7/15/2003  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 26-50%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 11/3/2005  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** yellow
### Scientific Name: Sorbaria sorbifolia  
### Cultivar: 13199  
### Family: Rosaceae  
### Tnum: 97086  
### Common Name: 13199 False Spirea  
### Source: USDA/NC-7, Ames, IA  
### Quantity observed: 1  
### PI #: PI 597614  

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>9/29/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit: Upright</td>
<td></td>
</tr>
<tr>
<td>Plant Height: 3-4 ft.</td>
<td></td>
</tr>
<tr>
<td>Plant Width: 6-9 ft</td>
<td></td>
</tr>
<tr>
<td>Current Seasons Growth: 1-2 ft</td>
<td></td>
</tr>
</tbody>
</table>

- **Foliage Color:** Medium green  
- **Bark Characteristics:** Unimportant  
- **Plant Summer Texture:** Coarse  
- **Aesthetic Plant Quality:** Poor  
- **Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Low vigor and 50% dead twigs. May require more irrigation than it gets at the edge of the arboretum.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Sorbaria sorbifolia
Cultivar: 20178
Family: Rosaceae
Variety: Tsnum: 97087
Common Name: 20178 False Spirea
Source: USDA/NC-7, Ames, IA
Quantity observed: 1
PI #: PI 597618

Observation Date of Plant: 9/28/2011
Plant Habit: Upright, irregular
Plant Height: 3 - 4 ft.
Plant Width: 5 - 7 ft.
Current Seasons Growth: 6 - 12 in.
Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No
Comments on plant: Low vigor and 50% dead twigs.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Sorbaria sorbifolia  
Cultivar: 21773  
Family: Rosaceae  
Common Name: 21773 False Spirea  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 3  
PI #: PI 597619  

Tnum: 97088  

Observation Date of Plant: 9/29/2011  
Plant Habit: Upright  
Plant Height: 4 - 5 ft.  
Plant Width: 6-10 ft.  
Current Seasons Growth: 2 - 4 ft.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Coarse  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Had better uniformity than most Sorbaria.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Date of observation: 10/16/2003  
Aesthetics: Good  
Persistance: 1-2 weeks  
Fall Color: yellow
**Sorbaria sorbifolia**

**Scientific Name:** Sorbaria sorbifolia  
**Cultivar:** Skinner's Strain  
**Family:** Rosaceae  
**Tnum:** 00154  
**Common Name:** Skinner's strain Ural Falsespirea  
**Source:** Fort Collins Nursery  
**Quantity observed:** 2  
**Observation Date of Plant:** 9/28/2011

**Plant Habit:** Upright, irregular  
**Plant Height:** 4-6.5 ft.  
**Plant Width:** 6-9 ft.  
**Current Seasons Growth:** 2-4 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border, erosion control

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Sorbaria
Variety: 

Cultivar: 10741
Family: Rosaceae

Tnum: 97085

Common Name: 10741 False Spirea
Source: USDA/NC-7, Ames, IA

Quantity observed: 2

PI #: Ames 10741

Observation Date of Plant: 9/29/2011

Plant Habit: Upright, irregular
Plant Height: 4-5.5 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of two looks good and the second plant has low vigor.

Observation Date of Flowers:

Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Tsnum: 91097
Scientific Name: Sorbaria tomentosa
Family: Rosaceae
Common Name: False Spirea
Source: USDA/NC-7, Ames, IA
Quantity observed: 4

Variety: -0-
Tnum: 91097

Observation Date of Plant: 9/28/2011

Plant Habit: Upright, irregular
Plant Height: 3-4 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: No
Recommended: No
Comments on plant: Transplanted in 2003 due to construction and hasn't had much vigor since. Only has a few stems growing on each plant. May be in too much shade or not getting enough irrigation at corner of arboretum.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
**Scientific Name:** Sorbus aria  
**Family:** Rosaceae  
**Common Name:** White Beam Tree  
**Source:** Denver Botanic Gardens  
**Quantity observed:** 2  
**PI #:** 76445  

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 25-30 ft.  
**Plant Width:** 18-25 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Wildlife, specimen, large shade tree  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Would probably look better if not crowded by neighbors.

**Observation Date of Flowers:** 5/7/2003  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 51-75%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 11/3/2005  
**Aesthetics:** Fair  
**Persistance:** 1-2 weeks  
**Fall Color:** yellow
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Sorbus aucuparia</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>European Mountain Ash</td>
<td>Tsnm:</td>
<td>78116</td>
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<tr>
<td>Source:</td>
<td>-0-</td>
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<td>1</td>
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<tr>
<td>PI #:</td>
<td>-0-</td>
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<th>Observation Date of Plant:</th>
<th>10/3/2011</th>
</tr>
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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>30-40 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>30-40 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>8-15 in.</td>
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</table>

<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Dark green</th>
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<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Intermediate importance</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Wildlife, residential street, specimen</td>
</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Has some bad crotch angles but very attractive overall.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>5/7/2003</th>
</tr>
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<tr>
<td>Flower Color:</td>
<td>White</td>
</tr>
<tr>
<td>Flower Type:</td>
<td>Cluster</td>
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<tr>
<td>Flower Effect:</td>
<td>Good</td>
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<tr>
<td>% of Flower Coverage:</td>
<td>51-75%</td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Fall color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Good</td>
</tr>
<tr>
<td>Fall Color:</td>
<td>orange/red</td>
</tr>
<tr>
<td>Date of observation:</td>
<td>11/3/2005</td>
</tr>
<tr>
<td>Persistance:</td>
<td>1-2 weeks</td>
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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Sorbus aucuparia</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>25546</td>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Common Montain Ash</td>
<td>Tsum:</td>
<td>02038</td>
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<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
<td>Quantity observed:</td>
<td>1</td>
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<tr>
<td>PI #:</td>
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<td></td>
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<tr>
<td>Observation Date of Plant:</td>
<td>10/9/2012</td>
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<td></td>
</tr>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>4-6 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>8-12 in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bark Characteristics:</td>
<td>Intermediate importance</td>
<td></td>
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</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Wildlife, specimen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Marginal</td>
<td></td>
<td></td>
</tr>
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</table>

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
### Scientific Name: Sorbus aucuparia

**Variety:** -0-

**Cultivar:** Blackhawk  
**Family:** Rosaceae  
**Tnum:** 85142

**Common Name:** Blackhawk European Ash

**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 10/3/2011

**Plant Habit:** Upright oval

**Plant Height:** 30-37 ft.

**Plant Width:** 30-37 ft.

**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Wildlife, residential street, specimen

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

---

**Observation Date of Flowers:** 5/7/2003

**Flower Color:** White

**Flower Type:** Cluster

**Flower Effect:** Excellent

**% of Flower Coverage:** 51-75%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

---

**Fall Color or Fruit:** Fall color

**Date of observation:** 11/3/2005

**Aesthetics:** Excellent

**Persistance:** 1-2 weeks

**Fall Color:** orange/red, yellow
Scientific Name: Sorbus aucuparia  
Cultivar: Cardinal Royal  
Family: Rosaceae  
Tnum: 84139

Common Name: Cardinal Royal European Mtn. Ash  
Source: Mount Arbor Nursery  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 10/3/2011  
Plant Habit: Upright oval to pyramidal  
Plant Height: 30-37 ft.  
Plant Width: 20-30 ft.  
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Excellent  
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Probably the best looking Sorbus in the arboretum.

Observation Date of Flowers: 5/7/2003  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 51-75%  
Bloom Stage: Flowers open  
Fall Color or Fruit: Fall color  
Date of observation: 11/2/2005  
Aesthetics: Good  
Persistence: 1-2 weeks  
Fall Color: yellow/orange/red
Scientific Name: Sorbus aucuparia  
Cultivar: Cherokee  
Family: Rosaceae  
Common Name: Cherokee Mountain Ash  
Source: Mount Arbor Nursery  
Quantity observed: 2  
Tsun: 85166  
PI #: -0-

Observation Date of Plant: 10/3/2011  
Plant Habit: Upright oval  
Plant Height: 25-35 ft.  
Plant Width: 20-30 ft.  
Current Seasons Growth: 8-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Wildlife, specimen, fall color  
Overall Plant Health: Fair to good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Slight suckering on one tree  
Recommended: Yes  
Comments on plant: Tends to develop codominant leaders. Suckering tree is 1/3 smaller than the second tree and moderately chlorotic.

Observation Date of Flowers: 5/7/2003  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 51-75%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Aesthetics: Excellent  
Date of observation: 11/2/2005  
Persistance: 1-2 weeks  
Fall Color: orange/red  

Fall Color: orange/red  
Aesthetics: Excellent  
Date of observation: 11/2/2005  
Persistance: 1-2 weeks  
Fall Color: orange/red
### Scientific Name: Sorbus aucuparia  
#### Variety: -0-  
#### Tsnum: 88088

### Cultivar: Columbia Queen  
#### Family: Rosaceae

### Common Name: Columbia Queen Mountain Ash

### Source: Handy Nursery Co.  
#### Quantity observed: 1  
#### PI #: -0-

#### Observation Date of Plant: 10/3/2011

#### Plant Habit: Upright oval

#### Plant Height: 25-35 ft.

#### Plant Width: 20-30 ft.

#### Current Seasons Growth: 8-12 in.

### Foliage Color: Medium green

### Bark Characteristics: Intermediate importance

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Wildlife, specimen

### Overall Plant Health: Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended: Yes

### Comments on plant:

#### Observation Date of Flowers: 5/7/2003

#### Flower Color: White

#### Flower Type: Cluster

#### Flower Effect: Good

#### % of Flower Coverage: 51-75%

#### Bloom Stage: Flowers open

#### Fruit Present:

#### Comments on Flowers:

#### Fall Color or Fruit: Fall color

#### Aesthetics: Excellent

#### Fall Color: orange/red

#### Date of observation: 11/2/2005

#### Persistence: 1-2 weeks
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Sorbus aucuparia</th>
<th>Variety: -0-</th>
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</thead>
<tbody>
<tr>
<td>Cultivar: Xanthocarpa</td>
<td>Family: Rosaceae</td>
</tr>
<tr>
<td>Common Name: European Mtn. Ash</td>
<td>Tnum: 81291</td>
</tr>
<tr>
<td>Source: Denver Botanic Gardens</td>
<td>PI #: 75755</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant: 10/3/2011</th>
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</thead>
<tbody>
<tr>
<td>Plant Habit: Upright oval</td>
</tr>
<tr>
<td>Plant Height: 20-30 ft.</td>
</tr>
<tr>
<td>Plant Width: 15 - 20 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth: 6 - 12 in.</td>
</tr>
</tbody>
</table>

| Foliage Color: Medium green          |
| Bark Characteristics: Intermediate importance |
| Plant Summer Texture: Medium        |
| Aesthetic Plant Quality: Good       |
| Landscape Uses: Wildlife, specimen  |

| Overall Plant Health: Good          |
| Insect Pests:                       |
| Pest Severity:                     |
| Plant Disease:                     |
| Disease Severity:                  |
| Cultural Problems:                 |
| Nuisances:                         |
| Recommended: Yes                   |
| Comments on plant: Slight suckering.|

<table>
<thead>
<tr>
<th>Observation Date of Flowers: 5/7/2003</th>
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<tbody>
<tr>
<td>Flower Color: White</td>
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<tr>
<td>Flower Type: Cluster</td>
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<tr>
<td>Flower Effect: Good</td>
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<tr>
<td>% of Flower Coverage: 51-75%</td>
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<tr>
<td>Bloom Stage: Flowers open</td>
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<tr>
<td>Fruit Present:</td>
</tr>
<tr>
<td>Comments on Flowers:</td>
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</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit: Fall color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics: Excellent</td>
</tr>
<tr>
<td>Fall Color: peach/orange, bright orange</td>
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<tr>
<td>Date of observation: 10/6/2008</td>
</tr>
<tr>
<td>Persistance: 1-2 weeks</td>
</tr>
</tbody>
</table>

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Scientific Name: Sorbus hybridra  Variety:  
Cultivar:  Family: Rosaceae  Tsnum: 02012  
Common Name: Oak Leaf Mountain Ash  
Source: Femrite Nursery Company  Quantity observed: 2  PI #:  

Observation Date of Plant: 10/9/2012  
Plant Habit: Upright oval  
Plant Height: 6-8 ft.  
Plant Width: 5-7 ft.  
Current Seasons Growth: 1-4 in.  

Foliage Color: Dark green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Wildlife, specimen  

Overall Plant Health: Poor to fair  
Insect Pests:  
Pest Severity:  
Plant Disease: Canker on trunk  
Disease Severity: Severe injury  
Cultural Problems:  
Nuisances: No  
Recommended: No  
Comments on plant: Both appears to have larger cankers on trunk and would account for poor vigor. No sign of mealy bugs.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color: Date of observation:  
Persistance:
Scientific Name: Sorbus mougeotii  
Variety: -0-  
Family: Rosaceae  
Common Name: Mountain Ash  
Source: Denver Botanic Gardens  
Quantity observed: 2  
PI #: 4461142  

Tsnum: 81279

Observation Date of Plant: 10/3/2011  
Plant Habit: Upright oval  
Plant Height: 24-30 ft.  
Plant Width: 18-24 ft.  
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green  
Bark Characteristics: Intermediate importance  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Wildlife, specimen  

Overall Plant Health: Fair to good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: One plant looks worse due to storm damage and suckering. Both would probably look better if not crowded for space.

Observation Date of Flowers: 5/7/2003  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 51-75%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 11/3/2005  
Aesthetics: Fair  
Persistance: 1-2 weeks  
Fall Color: golden yellow
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Sorbus pohuashanensis</th>
<th>Variety:</th>
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<td>-0-</td>
<td>Family:</td>
<td>Rosaceae</td>
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<tr>
<td>Common Name:</td>
<td>Mountain Ash</td>
<td>Tnum:</td>
<td>78115</td>
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<td>Source:</td>
<td>Fort Collins Nursery</td>
<td>Quantity observed:</td>
<td>1</td>
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<tr>
<td>PI #:</td>
<td>-0-</td>
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</table>

**Observation Date of Plant:** 10/3/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 18-25 ft.  
**Plant Width:** 18-25 ft.  
**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:** 5/7/2003  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Poor  
**% of Flower Coverage:** 0-25%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/6/2008  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** Yellow/orange
Scientific Name: *Spiraea arguta*  
*Variety:* -0-  
*Cultivar:* -0-  
*Family:* Rosaceae  
*Tsun:* 91088  
*Common Name:* Garland Spirea  
*Source:* Sherman Nursery  
*Quantity observed:* 3  
*PI #:* -0-  

**Observation Date of Plant:** 9/19/2011  
**Plant Habit:** Broad oval to round  
**Plant Height:** 4-5 ft.  
**Plant Width:** 4-8 ft.  
**Current Seasons Growth:** 15-24 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** One was rejuvenated in February of 2007. All plants are slightly chlorotic.

**Observation Date of Flowers:** 4/19/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 90-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**  
**Persistance:**
Scientific Name: Spiraea arguta compacta  
Variety: compacta  
Tnum: 91089  

Family: Rosaceae  

Common Name: Dwarf Garland Spirea  

Source: Sherman Nursery  
Quantity observed: 3  
PI #: -0-  

Observation Date of Plant: 9/19/2011  

Plant Habit: Broad oval to round  
Plant Height: 4 - 5 ft.  
Plant Width: 6 - 7 ft  

Current Seasons Growth: 8-12 in.  

Foliage Color: Medium green with a shade of blue  

Bark Characteristics: Unimportant  

Plant Summer Texture: Fine  

Aesthetic Plant Quality: Good  

Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  

Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  

Cultural Problems: Slight chlorosis on one plant.  

Nuisances: Yes  

Recommended: Yes  

Comments on plant: Looks slightly leggy. One plant was rejuvenated in February of 2007 and looks much better.  

Observation Date of Flowers: 4/19/2006  

Flower Color: White  
Flower Type: Cluster  
Flower Effect: Excellent  

% of Flower Coverage: 90-100%  
Bloom Stage: Flowers open  

Fruit Present:  

Comments on Flowers:  

Fall Color or Fruit:  

Aesthetics:  

Fall Color:  

Date of observation:  

Persistance:  

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**Scientific Name:** Spiraea betulifolia  
**Family:** Rosaceae  
**Variety:**  
**Cultivar:** Tor  
**Tsnum:** 04050  
**Common Name:** Birch-leaf Spiraea  
**Source:** Greenleaf Nursery Co.  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 9/19/2011  
**Plant Habit:** Round becoming broad  
**Plant Height:** 3-4 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 6-12 in.  
**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  
**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in arboretum in 2005. Attractive round growth habit and dense canopy  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**  
**Persistance:**
### Scientific Name: Spiraea canescens  
**Variety:** -0-  
**Family:** Rosaceae  
**Tnum:** 90018  
**Common Name:** Hoary Spirea  
**Source:** Jewell Nursery, Inc.  
**Quantity observed:** 5  
**PI #:** -0-

**Observation Date of Plant:** 9/19/2011  
**Plant Habit:** Round to broad oval  
**Plant Height:** 5-7 ft.  
**Plant Width:** 7-10 ft  
**Current Seasons Growth:** 14-20 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Hedge, specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Slight chlorosis  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Rejuvenated two plants in February of 2007.

**Observation Date of Flowers:** 6/1/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 70-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/25/2005  
**Aesthetics:** Excellent  
**Persistance:** 1-2 weeks  
**Fall Color:** bright yellow, orange to burnt red
### Spiraea flexuosa

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Spiraea flexuosa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variety:</td>
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<tr>
<td>Cultivar:</td>
<td>Rosaceae</td>
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<tr>
<td>Common Name:</td>
<td>Spirea</td>
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<tr>
<td>Source:</td>
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<tr>
<td>Quantity observed:</td>
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<tr>
<td>Observation Date of Plant:</td>
<td>9/19/2011</td>
</tr>
<tr>
<td>Plant Habit:</td>
<td>Upright, oval becoming r</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>3-6 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>3-6 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>10-15 in.</td>
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<tr>
<td>Foliage Color:</td>
<td>Medium green</td>
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<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
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<tr>
<td>Plant Summer Texture:</td>
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<td>Aesthetic Plant Quality:</td>
<td>Fair to good</td>
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<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
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<td>Overall Plant Health:</td>
<td>Good</td>
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<tr>
<td>Insect Pests:</td>
<td></td>
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<td>Pest Severity:</td>
<td></td>
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<td>Plant Disease:</td>
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<td>Disease Severity:</td>
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<td>Cultural Problems:</td>
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<tr>
<td>Nuisances:</td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Observation Date of Flowers:** 5/8/2006

**Flower Color:** White flowers, pink buds

**Flower Type:** Cluster

**Flower Effect:** Good

**% of Flower Coverage:** 40-60%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Anthers are prominent and create a soft, fuzzy appearance.

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/28/2005

**Aesthetics:** Fair

**Persistance:** 1 week

**Fall Color:** Dropped leaves before any other Spiraea.
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Spiraea fritschiana</th>
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<tbody>
<tr>
<td>Cultivar:</td>
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<tr>
<td>Common Name:</td>
<td>Korean Spirea</td>
</tr>
<tr>
<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
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<td>Quantity observed:</td>
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<td>PI #:</td>
<td>PI 603126</td>
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</table>

**Observation Date of Plant:** 9/19/2011

**Plant Habit:** Round to broad oval

**Plant Height:** 3-4 ft.

**Plant Width:** 5-7 ft.

**Current Seasons Growth:** 8-14 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair to good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** 5% of stems have chlorosis even on best plant. One looks good while the other looks fair to poor.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/21/2005

**Aesthetics:** Good

**Persistance:** 1-2 weeks

**Fall Color:** Yellow, some red

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Spiraea japonica

Scientific Name: Spiraea japonica
Cultivar: -0-
Family: Rosaceae
Common Name: Japanese Spirea
Source: US Nat'l Arboretum

Variety: -0-
Tsnum: 80350

Quantity observed: 3
PI #: J151-78

Observation Date of Plant: 9/19/2011
Plant Habit: Broad oval
Plant Height: 2.5-3.5 ft.
Plant Width: 3 - 5 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity: Moderate to severe chlorosis
Cultural Problems: Poor
Nuisances: No
Recommended: No
Comments on plant: Two plants seems to be in a severe decline and almost dead.

Observation Date of Flowers: 6/23/2006
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers appear to have less vibrant color. Plant is weak and chlorotic.

Fall Color or Fruit: 
Aesthetics: 
Date of observation: 
Persistance: 
Fall Color:
### Spiraea japonica

**Scientific Name:** Spiraea japonica  
**Cultivar:** Crispa  
**Family:** Rosaceae  
**Tsunum:** 85101  
**Common Name:** Crispa Japanese Spirea  
**Source:** Bailey Nurseries  
**Quantity observed:** 3  
**Variety:**  
**PI #:** -0-

**Observation Date of Plant:** 9/19/2011  
**Plant Habit:** Broad oval, round  
**Plant Height:** 3-4 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Moderate chlorosis affects all three plants. Leaf margin is fine toothed and adds interest. Rejuvenated in February of 2007.

**Observation Date of Flowers:** 7/8/2003  
**Flower Color:** Lavender  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 51-75%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  
**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
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<th>Spiraea japonica</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Little Princess</td>
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<tr>
<td>Common Name:</td>
<td>Little Princess Japanese Spirea</td>
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<tr>
<td>Source:</td>
<td>Timber Creek Nursery</td>
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<td>3</td>
<td>PI #:</td>
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</tbody>
</table>

**Observation Date of Plant:**  9/19/2011
**Plant Habit:**  Broad oval
**Plant Height:**  1.5 - 2.5 ft.
**Plant Width:**  3 - 4.5 ft.
**Current Seasons Growth:**  3-6 in.

**Foliage Color:**  Medium green
**Bark Characteristics:**  Unimportant
**Plant Summer Texture:**  Fine
**Aesthetic Plant Quality:**  Good to fair
**Landscape Uses:**  Specimen, shrub border

**Overall Plant Health:**  Fair
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**  Yes
**Recommended:**  Yes
**Comments on plant:**  Growth habit is very uniform and compact. All have chlorosis on about 15% of canopy.

**Observation Date of Flowers:**  6/23/2006
**Flower Color:**  Lavender
**Flower Type:**  Cluster
**Flower Effect:**  Good
**% of Flower Coverage:**  70-80%
**Bloom Stage:**  Flowers open
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**  Fall color
**Date of observation:**  10/28/2005
**Aesthetics:**  Fair
**Persistance:**  1-2 weeks
**Fall Color:**  light yellow
Scientific Name: Spiraea japonica  
Cultivar: Magic Carpet  
Family: Rosaceae  
Common Name: Magic Carpet Spiraea  
Source: Bailey Nurseries  
Quantity observed: 2  
PI #:  

Tsun: 02085  

Observation Date of Plant: 9/19/2011  
Plant Habit: Round to broad oval  
Plant Height: 2-3 ft.  
Plant Width: 3-4 ft.  
Current Seasons Growth: 3-6 in.  

Foliage Color: Lime green with red tips  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, shrub border, fall color  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Marginal  


Observation Date of Flowers: 6/23/2006  
Flower Color: Lavender  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 70-90%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Aesthetics: Good  
Persistance: 1-2 weeks

Fall Color: dark red  
Date of observation: 11/1/2005  

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Spiraea japonica</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Magic Carpet</td>
</tr>
<tr>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Magic Carpet Spirea</td>
</tr>
<tr>
<td>Source:</td>
<td>Carlton Plants</td>
</tr>
<tr>
<td>Quantity observed:</td>
<td>1</td>
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<tr>
<td>PI #:</td>
<td></td>
</tr>
<tr>
<td>Tnum:</td>
<td>08028</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/19/2011  
**Plant Habit:** Round  
**Plant Height:** 15-24 in.  
**Plant Width:** 20-30 in.  
**Current Season Growth:** 3-6 in.  

**Foliage Color:** Lime green with red tips  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border, fall color  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistence:**
<table>
<thead>
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<th>Scientific Name:</th>
<th>Spiraea japonica</th>
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<tr>
<td>Common Name:</td>
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<td>94059</td>
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<tr>
<td>Source:</td>
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<td>Observation Date of Plant:</td>
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<td></td>
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</tr>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Height:</td>
<td>4-6 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>3-5 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-10 in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage Color:</td>
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<td>Bark Characteristics:</td>
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<td>Plant Summer Texture:</td>
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<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair to poor</td>
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<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
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<td>Overall Plant Health:</td>
<td>Fair</td>
<td></td>
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<tr>
<td>Insect Pests:</td>
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<tr>
<td>Pest Severity:</td>
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<td>Plant Disease:</td>
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<td></td>
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<tr>
<td>Disease Severity:</td>
<td></td>
<td></td>
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<tr>
<td>Cultural Problems:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Nuisances:</td>
<td>No</td>
<td></td>
<td></td>
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<tr>
<td>Recommended:</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Both plants have moderate chlorosis.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Observation Date of Flowers:** 7/8/2003

| Flower Color: | Lavender |  |
| Flower Type: | Cluster |  |
| Flower Effect: | Good |  |
| % of Flower Coverage: | 51-75% |  |
| Bloom Stage: | Flowers open |  |
| Fruit Present: |  |  |
| Comments on Flowers: |  |  |

**Fall Color or Fruit:** Fall color

| Date of observation: | 11/1/2005 |  |
| Aesthetics: | Good |  |
| Persistance: | 1-2 weeks |  |
| Fall Color: | Yellow, some red/purple |  |
Scientific Name: Spiraea media
Cultivar: Darsnorm
Family: Rosaceae
Common Name: Snow Storm Spiraea
Source: Greenleaf Nursery Co.
Quantity observed: 3

Observation Date of Plant: 9/19/2011
Plant Habit: Round to broad oval
Plant Height: 2.5-3.5 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Medium green with a little bronzing
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Observation Date of Flowers:
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 20-30%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Flowering may increase with maturity. Flowering date lost due to software problem.

Fall Color or Fruit: 
Aesthetics: Persistance:
Fall Color: Date of observation:
Scientific Name: Spiraea miyabei
Cultivar: 
Family: Rosaceae
Variety: 
Tnum: 96072

Common Name: Spirea
Source: USDA/NC-7, Ames, IA
Quantity observed: 2

Observation Date of Plant: 9/19/2011
Plant Habit: Round
Plant Height: 3-4 ft.
Plant Width: 3-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Rejuvenated in February of 2007. One of two plants has slight chlorosis on 20% of tips and about 30% of canopy needed to be pruned out due to accumulation of dieback.

Observation Date of Flowers: 6/13/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 30-40%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Very large clusters but few of them.

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: yellow, red
Date of observation: 10/25/2005
Persistance: 1-2 weeks
Spiraea nipponica

**Scientific Name:** Spiraea nipponica  
**Variety:** -0-  
**Cultivar:** Halwards Silver  
**Family:** Rosaceae  
**Tsun:** 88158  
**Common Name:** Halwards Silver Nippon Spirea  
**Source:** Jewell Nursery, Inc.

**Observation Date of Plant:** 9/19/2011  
**Plant Habit:** Broad oval to round  
**Plant Height:** 3-4.5 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Rejuvenated two of three plants in February of 2007.

**Observation Date of Flowers:** 6/1/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 11/1/2005  
**Aesthetics:** Fair  
**Persistance:** 1-2 weeks  
**Fall Color:** yellow
Scientific Name: Spiraea nipponica  
Variety: -0-  
Cultivar: Halward's Silver  
Family: Rosaceae  
Tsnun: 87176  
Common Name: Halward's Silver Spirea  
Source: Synnestvedt Nursery  
Quantity observed: 2  
PI #: -0-  

Observation Date of Plant: 9/17/2012  
Plant Habit: Broad oval  
Plant Height: 4 - 6 ft.  
Plant Width: 6-8 ft.  
Current Seasons Growth: 6 - 12 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant:  

Observation Date of Flowers: 6/1/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 70-85%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

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Scientific Name: Spiraea nipponica  
Cultivar: Snow Mound  
Family: Rosaceae  
Variety: -0-  
Tnum: 82126  
Common Name: Snowmound Nippon Spirea  
Source: Mount Arbor Nursery  
Quantity observed: 3  
PI #: -0-

Observation Date of Plant: 9/19/2011  
Plant Habit: Round  
Plant Height: 4-5 ft.  
Plant Width: 6 - 8 ft  
Current Seasons Growth: 12-24 in.  
Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, shrub border  
Overall Plant Health: Fair to good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity: Slight chlorosis  
Cultural Problems: Slight chlorosis on less than 10% of branches. Rejuvenated two of three plants in February of 2007.  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Slight chlorosis on less than 10% of branches. Rejuvenated two of three plants in February of 2007.

Observation Date of Flowers: 6/1/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Fair  
% of Flower Coverage: 40-50%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistence:
Overall Plant Health: Poor to fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No
Comments on plant: Low vigor - was in severe decline and near death but a little better in 2011.

Observation Date of Flowers: 5/14/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 26-50%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: golden yellow
Date of observation: 10/19/2005
Persistance: 1-2 weeks
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Spiraea triloba</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Fairy Queen</td>
<td>Family:</td>
<td>Rosaceae</td>
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<tr>
<td>Common Name:</td>
<td>Fairy Queen White Spirea</td>
<td>Tsum:</td>
<td>93106</td>
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<tr>
<td>Source:</td>
<td>Zelenka Nursery</td>
<td>Quantity observed:</td>
<td>2</td>
</tr>
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<td>PI #:</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>9/19/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Round becoming broad o</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>3-4 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>5-7 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-10 in.</td>
</tr>
</tbody>
</table>

| Foliage Color:                 | Medium green |
| Bark Characteristics:          | Unimportant  |
| Plant Summer Texture:          | Fine        |
| Aesthetic Plant Quality:       | Good to fair |
| Landscape Uses:                | Specimen, shrub border |

| Overall Plant Health:          | Fair |
| Insect Pests:                  |     |
| Pest Severity:                |     |
| Plant Disease:                |     |
| Disease Severity:             |     |
| Cultural Problems:            |     |
| Nuisances:                    | Yes  |
| Recommended:                  | Yes  |
| Comments on plant:            | Growth habit is uniform and attractive. Rejuvenated in February of 2007. One of two has about 25% of old twig dieback that needs to be pruned out. |

| Observation Date of Flowers:   | 6/1/2006 |
| Flower Color:                  | White    |
| Flower Type:                   | Cluster  |
| Flower Effect:                 | Excellent|
| % of Flower Coverage:          | 85-95%   |
| Bloom Stage:                   | Flowers open |
| Fall Color or Fruit:           | Fall color |
| Date of observation:          | 11/1/2005 |
| Aesthetics:                    | Excellent |
| Persistance:                   | 1-2 weeks |
| Fall Color:                    | Yellow, red, orange |
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Scientific Name: Spiraea trilobata  
Variety: -0-  
Cultivar: Swan Lake  
Family: Rosaceae  
Tsun: 86151  
Common Name: Swan Lake Dwarf Spirea  
Source: Synnestvedt Nursery  
Quantity observed: 2  
PI #: -0-  
Observation Date of Plant: 9/15/2010  
Plant Habit: Round  
Plant Height: 3-4 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 18-24 in.  
Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Hedge, specimen, shrub border  
Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: One plant is getting crowded out.

Observation Date of Flowers: 6/25/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 75-85%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Date of observation:  
Persistance:  
Fall Color:
Scientific Name: Spiraea x
Cultivar: Snowhite
Family: Rosaceae
Common Name: Improved Snowhite spirea
Source: Sjulin Nurseries
Variety: -0-
Tsun: 92002
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 9/19/2011
Plant Habit: Arching, broad oval
Plant Height: 3-5 ft.
Plant Width: 7-9 ft
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in February of 2007.

Observation Date of Flowers: 6/1/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 75-85%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Spiraea x
Cultivar: Wilsonii
Common Name: Wilson Spirea
Source: USDA/NC-7

Variety: -0-
Family: Rosaceae

Tsun: 78118

Observation Date of Plant: 9/19/2011
Plant Habit: Broad oval, round
Plant Height: 4-6 ft.
Plant Width: 7-10 ft
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Slight chlorosis on <5% of canopy
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in February of 2007.

Observation Date of Flowers: 6/25/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-70%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Spiraea x bumalda  
**Cultivar:** Gold Flame  
**Family:** Rosaceae  
**Common Name:** Gold Flame Bumal Spirea  
**Source:** Mount Arbor Nursery  
**Quantity observed:** 3  
**Tnum:** 82125  
**Variety:** -0-  
**PI #:** -0-

**Observation Date of Plant:** 9/19/2011  
**Plant Habit:** Broad oval or irregular  
**Plant Height:** 2 - 3 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 2-4 in.

**Foliage Color:** Yellow  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Less compact than Spirea ‘Gold Mound’. In decline and looks very bad.

**Observation Date of Flowers:** 6/25/2003  
**Flower Color:** Dark Lavender  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 60-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Aesthetics:** Good  
**Fall Color:** light yellow to burnt/dark red  
**Date of observation:** 10/9/2003  
**Persistance:** 1-2 weeks  
**Fall Color or Fruit:** Fall color  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Spiraea x bumalda</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Gold Mound</td>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Gold Mound Spirea</td>
<td>Tnum:</td>
<td>86159</td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed:</td>
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<tr>
<th>Observation Date of Plant:</th>
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<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>2-3.5 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>3-5 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>3 - 4 in.</td>
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<tr>
<th>Foliage Color:</th>
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<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
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<table>
<thead>
<tr>
<th>Overall Plant Health:</th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests:</td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
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</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
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<tr>
<td>Cultural Problems:</td>
<td>One of two is getting crowded out by neighboring plant.</td>
</tr>
<tr>
<td>Nuisances:</td>
<td>Yes</td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Much better than S. 'Gold Flame' in terms of vigor and growth habit. Growth habit is compact and uniform.</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>6/25/2003</th>
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</thead>
<tbody>
<tr>
<td>Flower Color:</td>
<td>Light Lavender</td>
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<tr>
<td>Flower Type:</td>
<td>Cluster</td>
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<tr>
<td>Flower Effect:</td>
<td>Good</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
<td>76-100%</td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
</tr>
<tr>
<td>Fruit Present:</td>
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</tr>
<tr>
<td>Comments on Flowers:</td>
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<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Fall color</th>
</tr>
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<tbody>
<tr>
<td>Aesthetics:</td>
<td>Good</td>
</tr>
<tr>
<td>Fall Color:</td>
<td>light yellow to dark orange/red.</td>
</tr>
</tbody>
</table>
**Scientific Name:** Spiraea x bumalda  
**Cultivar:** Gumball  
**Family:** Rosaceae  
**Common Name:** Gumball Bumal Spirea  
**Source:** Synnestvedt Nursery  
**Quantity observed:** 2  
**Tnum:** 85151  
**Variety:** -0-  
**PI #:** -0-

**Observation Date of Plant:** 9/19/2011  
**Plant Habit:** Upright  
**Plant Height:** 2-3 ft.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 2-3 in.

**Foliage Color:** Light green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Hedge, specimen, shrub border  

**Overall Plant Health:** Poor  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Growth habit was very uniform. Rejuvenated in February 2007. Both plants look very chlorotic and in decline.

**Observation Date of Flowers:** 6/25/2003  
**Flower Color:** Light Lavender  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 70-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 11/1/2005  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** Yellow, some red/orange

---

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Spiraea x bumalda</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Hallward Silver</td>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Hallward Silver Bumal Spirea</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Cross Nurseries Inc.</td>
<td>Quantity observed:</td>
<td>3</td>
</tr>
<tr>
<td>Tsum:</td>
<td>82104</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>9/19/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>3-4.5 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>5-7 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6 - 10 in.</td>
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</table>

<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Fine</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Hedge, specimen, shrub border</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall Plant Health:</th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests:</td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td></td>
</tr>
<tr>
<td>Recommended:</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Growth habit is uniform and controlled - very attractive. Slight chlorosis on all three plants.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>6/25/2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Color:</td>
<td>White</td>
</tr>
<tr>
<td>Flower Type:</td>
<td>Cluster</td>
</tr>
<tr>
<td>Flower Effect:</td>
<td>Good</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
<td>76-90%</td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Fall color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>Fair</td>
</tr>
<tr>
<td>Fall Color:</td>
<td>yellow</td>
</tr>
<tr>
<td>Date of observation:</td>
<td>10/28/2005</td>
</tr>
<tr>
<td>Persistance:</td>
<td>1-2 weeks</td>
</tr>
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</table>

Page 957 of 1130
Scientific Name: Spiraea x cinerea  
Variety:  
Cultivar: Grefsheim  
Family: Rosaceae  
Tnum: 98046  
Common Name: Grefsheim Spirea  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 2  

Observation Date of Plant: 9/19/2011  
Plant Habit: Round becoming broad o  
Plant Height: 3-5 ft.  
Plant Width: 6-8 ft.  
Current Seasons Growth: 1-2 ft.  

Foliage Color: Medium blue/green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Excellent  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Rejuvenated in February of 2007.

Observation Date of Flowers: 4/20/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Excellent  
% of Flower Coverage: 90-100%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit: Fall color  
Aesthetics: Good  
Fall Color: golden yellow  
Date of observation: 11/1/2005  
Persistence: 1-2 weeks
**Scientific Name:** Spiraea x vanhouttei  
**Variety:** -0-  
**Cultivar:** Nana  
**Family:** Rosaceae  
**Tnum:** 78210  
**Common Name:** Compact Vanhoutte Spirea  
**Source:** USDA/NC-7  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 9/19/2011  
**Plant Habit:** Round to broad oval  
**Plant Height:** 3-4 ft.  
**Plant Width:** 3-4.5 ft  
**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Hedge, specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:** Moderate chlorosis  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Growth habit is very compact and controlled. Rejuvenated in February of 2007.

**Observation Date of Flowers:** 6/1/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Spirea frischiana</th>
<th>Variety:</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Pink Parasol</td>
<td>Family: Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Pink Parasol Spirea</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Proven Winners</td>
<td>Tnum: 05093</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>9/19/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Irregular</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>1-2 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>1-2 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>2-4 in.</td>
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<table>
<thead>
<tr>
<th>Foliage Color:</th>
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<tbody>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Poor</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
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<table>
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<tr>
<th>Overall Plant Health:</th>
<th>Fair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Pests:</td>
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<tr>
<td>Pest Severity:</td>
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<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
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<td>Cultural Problems:</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td>No</td>
</tr>
<tr>
<td>Recommended:</td>
<td>No</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td>Planted in arboretum in 2006. Low vigor - slow to establish.</td>
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</table>

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Color:</td>
</tr>
<tr>
<td>Flower Type:</td>
</tr>
<tr>
<td>Flower Effect:</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
</tr>
<tr>
<td>Bloom Stage:</td>
</tr>
<tr>
<td>Fruit Present:</td>
</tr>
<tr>
<td>Comments on Flowers:</td>
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<p>| Fall Color or Fruit:         | Date of observation: |
| Aesthetics:                  | Persistance:         |
| Fall Color:                  |                         |</p>
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<tr>
<th>Scientific Name:</th>
<th>Spirea x media</th>
<th>Variety:</th>
<th>Tnum: 05094</th>
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<tr>
<td>Cultivar:</td>
<td>Darsnorm</td>
<td>Family:</td>
<td>Rosaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Snow Storm Spirea</td>
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<tr>
<td>Source:</td>
<td>Proven Winners</td>
<td>Quantity observed: 2</td>
<td>PI #:</td>
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<tr>
<td>Observation Date of Plant:</td>
<td>9/19/2011</td>
<td>Plant Habit:</td>
<td>Round</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>2-3 ft.</td>
<td>Plant Width:</td>
<td>3-4 ft</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-12 in.</td>
<td>Foliage Color:</td>
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</tr>
<tr>
<td>Bark Characteristics:</td>
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<td>Plant Summer Texture:</td>
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<td>Aesthetic Plant Quality:</td>
<td>Good</td>
<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
<td>Insect Pests:</td>
<td></td>
</tr>
<tr>
<td>Pest Severity:</td>
<td></td>
<td>Plant Disease:</td>
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</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
<td>Cultural Problems:</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td></td>
<td>Recommended:</td>
<td>Yes</td>
</tr>
<tr>
<td>Comments on plant:</td>
<td></td>
<td>Observation Date of Flowers:</td>
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<td></td>
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<td>Flower Color:</td>
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</tr>
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<td></td>
<td></td>
<td>Flower Type:</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Flower Effect:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>% of Flower Coverage:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bloom Stage:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fruit Present:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Comments on Flowers:</td>
<td></td>
</tr>
<tr>
<td>Fall Color or Fruit:</td>
<td></td>
<td>Date of observation:</td>
<td></td>
</tr>
<tr>
<td>Aesthetics:</td>
<td></td>
<td>Persistance:</td>
<td></td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
<td></td>
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<tr>
<td>Scientific Name:</td>
<td>Staphylea bumalda</td>
<td>Variety:</td>
<td>-0-</td>
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<td>Cultivar:</td>
<td>-0-</td>
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<td>Staphyleaceae</td>
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<tr>
<td>Common Name:</td>
<td>Bladdernut</td>
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<td></td>
</tr>
<tr>
<td>Source:</td>
<td>USDA/NC-7, Ames, IA</td>
<td>Quantity observed:</td>
<td>1</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/26/2012  
**Plant Habit:** Upright, irregular  
**Plant Height:** 4-6 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 3-4 ft.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Looks like it needs some pruning to remove old dieback from past winters. May require a very moist site but had a lot of vigorous new growth this year but also has moderate chlorosis.

**Observation Date of Flowers:** 4/24/2012  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-95%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:
| **Scientific Name:** | Symphoricarpos chenaultii | **Variety:** |  
| **Cultivar:** | Blade of Sun | **Family:** | Caprifoliaceae | **Tnum:** | 09059 |  
| **Common Name:** | Blade of Sun Chenault Coralberry |  
| **Source:** | The Conard Pyle Co. | **Quantity observed:** | 2 | **PI #:** |  

**Observation Date of Plant:** 10/1/2012  
**Plant Habit:** Young, undefined  
**Plant Height:** 12-18 in.  
**Plant Width:** 2-3 ft.  
**Current Seasons Growth:** 6-12 in  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Planted 2009. Lacks vigor and size - slow to establish.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**  

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Page 963 of 1130
Scientific Name: Symphoricarpos x doorenbosii  
Variety:  
Cultivar: 'Kordes'  
Family: Caprifoliaceae  
Tnum: 05108  
Common Name: Amethyst™ Coral Berry  
Source: Proven Winners  
Quantity observed: 1  

Observation Date of Plant: 10/1/2012  
Plant Habit: Broad oval  
Plant Height: 2-3 ft.  
Plant Width: 4-5 ft.  
Current Seasons Growth: 10-18 in  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Planted in arboretum in 2007. Fruit is exceptionally attractive.
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Symphoricarpos x dorrenbossii  Varieties: Symphoricarpos x dorrenbossii
Cultivar: White Hedge  Family: Caprifoliaceae
Common Name: White Hedge Snowberry
Source: Sjulin Nurseries  Quantity observed: 3

Tsum: 98056

Observation Date of Plant: 9/26/2012
Plant Habit: Arching
Plant Height: 3 - 5 ft.
Plant Width: 5-9 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes
Recommended: Yes
Comments on plant: The one in full sun is significantly larger than the other two plants.

Observation Date of Flowers:
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
Date of observation:
Persistance:
### Scientific Name: Syringa  
**Variety:**  
**Cultivar:** Bailbelle  
**Family:** Oleaceae  
**Tnum:** 03127  
**Common Name:** Tinkerbell Lilac  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**PI #:**

<table>
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<tr>
<th>Observation Date of Plant</th>
<th>10/9/2012</th>
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</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Upright oval</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>6-8 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>6-8 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>10-18 in.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Foliage Color:</strong></th>
<th>Medium green</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bark Characteristics:</strong></td>
<td>Unimportant</td>
</tr>
<tr>
<td><strong>Plant Summer Texture:</strong></td>
<td>Medium</td>
</tr>
<tr>
<td><strong>Aesthetic Plant Quality:</strong></td>
<td>Fair</td>
</tr>
<tr>
<td><strong>Landscape Uses:</strong></td>
<td>Specimen, shrub border</td>
</tr>
</tbody>
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<thead>
<tr>
<th><strong>Overall Plant Health:</strong></th>
<th>Fair</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Insect Pests:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Pest Severity:</strong></td>
<td></td>
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<tr>
<td><strong>Plant Disease:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Disease Severity:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Cultural Problems:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Nuisances:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Recommended:</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Comments on plant:</strong></td>
<td>Planted in arboretum in 2003. Plant would look better and grow wider if it wasn't crowded by nearby plants.</td>
</tr>
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</table>

<table>
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<tr>
<th>Observation Date of Flowers</th>
<th>5/16/2006</th>
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<tbody>
<tr>
<td><strong>Flower Color:</strong></td>
<td>Pink</td>
</tr>
<tr>
<td><strong>Flower Type:</strong></td>
<td>Cluster</td>
</tr>
<tr>
<td><strong>Flower Effect:</strong></td>
<td>Excellent</td>
</tr>
<tr>
<td><strong>% of Flower Coverage:</strong></td>
<td>75-85%</td>
</tr>
<tr>
<td><strong>Bloom Stage:</strong></td>
<td>Flowers open</td>
</tr>
<tr>
<td><strong>Fruit Present:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Comments on Flowers:</strong></td>
<td>Flowers are very tiny and delicate but still very showy.</td>
</tr>
</tbody>
</table>

| **Fall Color or Fruit:** |  
| **Date of observation:** |  
| **Aesthetics:** |  
| **Persistance:** |  
| **Fall Color:** |  

---
Page 966 of 1130
Scientific Name: Syringa  
Cultivar: Baillina  
Family: Oleaceae  
Tnum: 08057  
Variety:  

Common Name: Thumbelina Lilac  
Source: Bailey Nurseries  
Quantity observed: 1  

Observation Date of Plant: 10/9/2012  
Plant Habit: Upright oval  
Plant Height: 4-5 ft.  
Plant Width: 3-5 ft.  
Current Seasons Growth: 5-8 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, xeriscape, shrub border  

Overall Plant Health: Good  

Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Planted in 2010.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:  

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Scientific Name: Syringa  Variety: 
Cultivar: Bailsugar  Family: Oleaceae  Tnum: 08056
Common Name: Sugar Plum Fairy Lilac
Source: Bailey Nurseries  Quantity observed: 1  PI #:

Observation Date of Plant: 10/9/2012
Plant Habit: Round
Plant Height: 2-4 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Planted in 2010 and slow to regain vigor.

Observation Date of Flowers: 4/30/2012
Flower Color: Light pink, dark buds
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Flowers are very tiny and delicate but still very showy.

Fall Color or Fruit: Date of observation: Persistance:
Aesthetics: 
Fall Color:
**Scientific Name:** Syringa  
**Cultivar:** Prince Charming  
**Family:** Oleaceae  
**Variety:**  
**Tnum:** 03032  
**Common Name:** Prince Charming Lilac  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**PI #:**  

<table>
<thead>
<tr>
<th><strong>Observation Date of Plant:</strong></th>
<th>10/9/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Round</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>4-7 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>5-8 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>10-15 in.</td>
</tr>
</tbody>
</table>

| **Foliage Color:** | Medium green |
| **Bark Characteristics:** | Unimportant |
| **Plant Summer Texture:** | Medium |
| **Aesthetic Plant Quality:** | Fair |
| **Landscape Uses:** | Specimen, shrub border |
| **Overall Plant Health:** | Fair to good |
| **Insect Pests:** |  |
| **Pest Severity:** |  |
| **Plant Disease:** |  |
| **Disease Severity:** |  |
| **Cultural Problems:** |  |
| **Nuisances:** | Yes |
| **Recommended:** | Yes |
| **Comments on plant:** | Planted in arboretum in 2003. Was getting crowded by nearby plants but has more room now since 2010. |

| **Observation Date of Flowers:** | 5/18/2006 |
| **Flower Color:** | Lavender |
| **Flower Type:** | Cluster |
| **Flower Effect:** | Good |
| **% of Flower Coverage:** | 60-70% |
| **Bloom Stage:** | Flowers open |
| **Fruit Present:** |  |
| **Comments on Flowers:** | Flowers are very tiny and delicate but still very showy. |

| **Fall Color or Fruit:** |  |
| **Date of observation:** |  |
| **Aesthetics:** |  |
| **Persistance:** |  |
| **Fall Color:** |  |
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Scientific Name: Syringa
Cultivar: Sugar Plum Fairy
Family: Oleaceae
Variety:

Tsnum: 03033

Common Name: Sugar Plum Fairy Lilac
Source: Bailey Nurseries

Quantity observed: 1

PI #:

Observation Date of Plant: 9/24/2010
Plant Habit: Upright oval
Plant Height: 4-5 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No

Observation Date of Flowers: 5/16/2006
Flower Color: Light pink
Flower Type: Cluster
Flower Effect: Good to excellent
% of Flower Coverage: 40-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Flowers are very tiny and delicate but still very showy.

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: Yellow
Date of observation: 10/6/2008
Persistance: 1-2 weeks

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**Scientific Name:** Syringa meyeri  
**Cultivar:** Palibin  
**Family:** Oleaceae  
**Tsn:** 08050

**Common Name:** Dwarf Korean Lilac Tree  
**Source:** Bailey Nurseries

**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Broad oval  
**Plant Height:** 5-6 ft.  
**Plant Width:** 3-5 ft.  
**Current Seasons Growth:** 1-2 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen

**Overall Plant Health:** Fair  
**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in 2010 and slow to regain vigor.

**Observation Date of Flowers:** 4/25/2012

**Flower Color:** Lavender  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Impressive show for being recently planted.

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
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<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Syringa oblata</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Cheyenne</td>
<td>Family: Oleaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Cheyenne Lilac</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Jewell Nursery, Inc.</td>
<td>Quantity observed: 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/9/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval to round</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>7-9 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>10-15 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-10 in</td>
</tr>
</tbody>
</table>

| Foliage Color: | Medium green |
| Bark Characteristics: | Unimportant |
| Plant Summer Texture: | Medium |
| Aesthetic Plant Quality: | Good |
| Landscape Uses: | Specimen, xeriscape, shrub border |

| Overall Plant Health: | Good |
| Insect Pests: | |
| Pest Severity: | |
| Plant Disease: | |
| Disease Severity: | |
| Cultural Problems: | |
| Nuisances: | |
| Recommended: | Yes |
| Comments on Plant: | |

| Observation Date of Flowers: | 5/2/2006 |
| Flower Color: | Lavender |
| Flower Type: | Cluster |
| Flower Effect: | Good |
| % of Flower Coverage: | 70-80% |
| Bloom Stage: | Flowers open |
| Fruit Present: | |
| Comments on Flowers: | Thinner, more delicate in appearance. |

| Fall Color or Fruit: | Fall color |
| Aesthetics: | Good |
| Fall Color: | Mostly dark red and yellow but also some |

<p>| Date of Observation: | 10/6/2008 |
| Persistance: | 1-2 weeks |</p>
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Syringa pekinensis</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>-0-</td>
<td>Family:</td>
<td>Oleaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Peking Lilac</td>
<td>Tsnm:</td>
<td>81111</td>
</tr>
<tr>
<td>Source:</td>
<td>Valley Nursery</td>
<td>Quantity observed:</td>
<td>3</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval becoming ro  
**Plant Height:** 20-30 ft.  
**Plant Width:** 25-30 ft  
**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, small/confined areas

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** This is a good looking small tree with very attractive bark for winter interest.

**Observation Date of Flowers:** 6/2/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 50-60%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Syringa pekinensis</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>DTR 124</td>
<td>Tnum: 99008</td>
</tr>
<tr>
<td>Family:</td>
<td>Oleaceae</td>
<td></td>
</tr>
<tr>
<td>Common Name:</td>
<td>Summer Charm Tree Lilac</td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>9/17/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval becoming ro</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>10-14 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>8-12 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>2-4 in.</td>
</tr>
</tbody>
</table>

| Foliage Color:            | Medium green |
| Bark Characteristics:     | Intermediate importance |
| Plant Summer Texture:     | Medium       |
| Aesthetic Plant Quality:  | Good         |
| Landscape Uses:           | Specimen, small/confined areas         |
| Overall Plant Health:     | Fair         |
| Insect Pests:             |             |
| Pest Severity:            |             |
| Plant Disease:            |             |
| Disease Severity:         |             |
| Cultural Problems:        |             |
| Nuisances:                |             |
| Recommended:              | Yes         |

| Comments on plant:        | Lacks a little vigor but may be related to inadequate irrigation system in that particular area. |

| Observation Date of Flowers: | 6/1/2006 |
| Flower Color:                | Cream/white |
| Flower Type:                 | Cluster    |
| Flower Effect:               | Excellent  |
| % of Flower Coverage:        | 60-80%     |
| Bloom Stage:                 | Flowers open |
| Fruit Present:               |            |
| Comments on Flowers:         | Fragrant but not as good as common lilac. |

| Fall Color or Fruit:        | Fall color |
| Date of observation:        | 10/9/2008  |
| Aesthetics:                 | Fair       |
| Persistance:                | 1-2 weeks  |
| Fall Color:                 | Yellow     |
|                            |            |

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Scientific Name: Syringa pekinensis  Variety: 
Cultivar: Morton  Family: Oleaceae  Tnum: 08051
Common Name: China Snow Pekin Lilac
Source: Bailey Nurseries  Quantity observed: 1  PI #:

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 6-8 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small tree

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Marginal
Comments on plant: Planted in 2010. Top four feet of central leader is lodging.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers: 

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistance: 

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Scientific Name: Syringa pekinensis  
Variety:  
Cultivar: SunDak  
Family: Oleaceae  
Tnum: 08052  
Common Name: Copper Curls Pekin Lilac  
Source: Bailey Nurseries  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/9/2012  
Plant Habit: Upright oval  
Plant Height: 6-8 ft.  
Plant Width: 3-4 ft  
Current Seasons Growth: 6-10 in.  

Foliage Color: Medium green  
Bark Characteristics: Important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, small tree  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: n/a  
Recommended:  
Comments on plant: Planted in 2011 - too soon to recommend.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Date of observation:  
Aesthetics:  
Persistance:  
Fall Color:
Scientific Name: Syringa pekinensis
Cultivar: Zhang Zhiming
Family: Oleaceae
Variety: 
Tnum: 07054
Common Name: Beijing Gold Lilac
Source: J. Frank Schmidt and Son Co
Quantity observed: 1
PI #:

Observation Date of Plant: 10/9/2012
Plant Habit: Round
Plant Height: 5-7 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small tree

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Was in lathhouse too long.
Nuisances: n/a
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
**Scientific Name:** Syringa reflexa x villosa  
**Cultivar:** James MacFarlane  
**Family:** Oleaceae  
**Common Name:** James MacFarlane Lilac  
**Source:** Jewell Nursery, Inc.  
**Quantity observed:** 2  
**Tsnr#:** 86105

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval becoming ro  
**Plant Height:** 6 - 9 ft.  
**Plant Width:** 6 - 10 ft  
**Current Seasons Growth:** 10-24 in.

**Foliage Color:** Light to medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** One of two plants rejuvenated in 2003 and returned with good vigor.

**Observation Date of Flowers:** 5/26/2006  
**Flower Color:** Pink  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 40-50%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Long throat on flowers creates a more full or bushy appearance even before the flowers are fully open. Very unique and showy.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**  
**Persistance:**

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Scientific Name: Syringa reticulata
Cultivar: Bailince
Family: Oleaceae
Tsnum: 10029

Common Name: First Editions Snowdance Lilac
Source: Bailey Nurseries
Quantity observed: 2

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 3-6 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: n/a
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
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Scientific Name: Syringa reticulata        Variety:        Tsnum: 08053
Cultivar: Golden Eclipse        Family: Oleaceae
Common Name: Golden Eclipse Lilac
Source: Bailey Nurseries        Quantity observed: 1        PI #:

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Syringa reticulata
Cultivar: Golden Eclipse
Family: Oleaceae
Common Name: Golden Eclipse Lilac
Source: Bailey Nurseries
Quantity observed: 2

Scientific Name: Syringa reticulata
Variety: Golden Eclipse
Tsum: 10028

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Syringa reticulata
Variety: -0-
Cultivar: Ivory Silk
Family: Oleaceae
Tsnm: 89166
Common Name: Ivory Silk Japanese Lilac
Source: Schichtel's Nursery
Quantity observed: 3
PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of three trees has an old canker wound - tree is smaller and wound is slowly closing.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 10/6/2008
Aesthetics: Fair
Persistance: 1-2 weeks
Fall Color: Pale yellow
Scientific Name: Syringa reticulata
Variety: -0-
Cultivar: Japonica
Family: Oleaceae
Tsun: 77011
Common Name: Japanese Tree Lilac
Source: Unknown
Quantity observed: 4

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval becoming ro
Plant Height: 10-15 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/9/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: light yellow
Date of observation: 10/10/2004
Persistance: 1-2 weeks
Scientific Name: Syringa reticulata
Cultivar: Summer Snow
Family: Oleaceae
Common Name: Summer Snow Tree Lilac
Source: Schichtel's Nursery
Quantity observed: 3

Tsum: 98077

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 11-18 ft.
Plant Width: 9-14 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on Plant: One of three plants has prolific suckers and less vigor but can not see any visual explanations that would cause the suckering.

Observation Date of Flowers: 6/7/2011
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-65%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 10/21/2003
Aesthetics: Fair
Persistance: 1-2 weeks
Fall Color: Light yellow
Scientific Name: Syringa reticulata
Cultivar: Willamette
Family: Oleaceae

Common Name: Ivory Pillar Tree Lilac
Source: Carlton Plants

Quantity observed: 2

Variety: 
Tnum: 01018

Observation Date of Plant: 9/23/2010
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 2-4 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Inadequate irrigation system.
Nuisances: Moderate suckering
Recommended: Yes

Comments on plant:
Planted in arboretum in 2005. Health would improve with a better irrigation system. New growth is mainly result of water sprouts along trunk - most of tree looks healthy but not much growth.

Observation Date of Flowers: 6/2/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair

% of Flower Coverage: 25-40%
Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:
Should have more flowers as it becomes further established - planted in arboretum in 2005.

Fall Color or Fruit:
Aesthetics:
Fall Color:
### Scientific Name: Syringa rothomagensis  
**Variety:** -0-  
**Family:** Oleaceae  
**Tnum:** 85179  
**Cultivar:** -0-  
**Common Name:** Chinese Lilac  
**Source:** Country Lane Wholesale Nur  
**Quantity observed:** 2  
**PI #:** -0-  

#### Observation Date of Plant: 10/9/2012  
**Plant Habit:** Round to broad oval  
**Plant Height:** 6 - 9 ft.  
**Plant Width:** 10-14 ft  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Poor  
**Insect Pests:** Scale  
**Pest Severity:** Severe injury  
**Plant Disease:** Mildew  
**Disease Severity:** Slight injury  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Declining vigor due to scale.

#### Observation Date of Flowers: 4/24/2012  
**Flower Color:** Lavender  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 50-60%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Many flowers despite weak plant vigor.

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Syringa velutina  
**Variety:** -0-  
**Cultivar:** Dr. Meyer  
**Family:** Oleaceae  
**Tsnum:** 76030

**Common Name:** Dr. Meyer Lilac  
**Source:** Unknown  
**Quantity observed:** 3  
**PI #:** -0-

**Observation Date of Plant:** 10/9/2012
**Plant Habit:** Upright oval to round
**Plant Height:** 6 - 9 ft.
**Plant Width:** 8-14 ft.
**Current Seasons Growth:** 6-8 in

**Foliage Color:** Medium green
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Medium
**Aesthetic Plant Quality:** Good
**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Good

**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Yes

**Comments on plant:** Rejuvenated in 2003. Best fall color of any Syringa.

**Observation Date of Flowers:** 4/17/2012
**Flower Color:** Light lavender
**Flower Type:** Cluster
**Flower Effect:** Good to excellent
**% of Flower Coverage:** 80-95%
**Bloom Stage:** Flowers open
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**
**Fall Color:**

**Date of observation:**
**Persistance:**
Scientific Name: Syringa villosa x reflexa
Cultivar: Redwine
Family: Oleaceae
Common Name: Redwine Preston Lilac
Source: Timber Creek Nursery
Quantity observed: 1

Variety: -0-
Tsun: 88124

Observation Date of Plant: 10/9/2012
Plant Habit: Round
Plant Height: 7-9 ft.
Plant Width: 8-12 ft
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests: Scale
Pest Severity: Severe injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Best growth habit of any Syringa in the arboretum - always uniform and round. Two of three rejuvenated in 2010 but failed to recover.

Observation Date of Flowers: 6/1/2006
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Date of observation: 9/23/2004
Persistance: 1-2 weeks
Fall Color: yellow, light yellow
**Scientific Name:** Syringa vulgaris  
**Cultivar:** -0-  
**Family:** Oleaceae  
**Variety:** -0-  
**Tsnm:** 80296  
**Common Name:** Common Lilac  
**Source:** OE White Research Arboretum  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 8-12 ft.  
**Plant Width:** 7-10 ft  
**Current Seasons Growth:** 4-6 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair to poor  
**Insect Pests:** Scale  
**Pest Severity:** Severe injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Marginal  
**Recommended:** Marginal  
**Comments on plant:** Plants were thinned in 2005. Growth habit is poor but would probably look better if not crowded by nearby plants.

**Observation Date of Flowers:** 4/24/2012  
**Flower Color:** Lavender  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 50-65%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

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<thead>
<tr>
<th>Scientific Name:</th>
<th>Syringa vulgaris</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Adelaide Dunbar</td>
<td>Trenum: 00051</td>
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<tr>
<td>Family:</td>
<td>Oleaceae</td>
<td></td>
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<tr>
<td>Common Name:</td>
<td>Adelaide Dunbar Lilac</td>
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<tr>
<td>Source:</td>
<td>Synnestvedt Nursery</td>
<td>Quantity observed: 2</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/9/2012</th>
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</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>5-8 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>3-6 in.</td>
</tr>
</tbody>
</table>

| Foliage Color:             | Medium green |
| Bark Characteristics:      | Unimportant |
| Plant Summer Texture:      | Medium |
| Aesthetic Plant Quality:   | Poor |
| Landscape Uses:            | Specimen, xeriscape, shrub border |

| Overall Plant Health:      | Fair to poor |
| Insect Pests:              | Scale |
| Pest Severity:             | Severe injury |
| Plant Disease:             |         |
| Disease Severity:          |         |
| Cultural Problems:         |         |
| Nuisances:                 | No |
| Recommended:               | No |

| Comments on plant:         | Planted in arboretum in 2005. Both in decline and one is nearly dead. |

| Observation Date of Flowers: | 4/24/2012 |
| Flower Color:                | Dar purple with shades of pink |
| Flower Type:                 | Cluster |
| Flower Effect:               | Good |
| % of Flower Coverage:        | 45-55% |
| Bloom Stage:                 | Flowers open |

| Fruit Present:               |         |
| Comments on Flowers:         | Would probably look better in a site with better irrigation. |

| Fall Color or Fruit:         | Fall color |
| Date of observation:        | 10/28/2008 |
| Aesthetics:                 | Good |
| Persistance:                | 1-2 weeks |
| Fall Color:                 | Purple/bonze |
**Scientific Name:** Syringa vulgaris

**Cultivar:** Charles

**Family:** Oleaceae

**Common Name:** Charles Common Lilac

**Source:** Forrest Keeling Nursery

**Quantity observed:** 1

**Tsum:** 88047

**Variety:** -0-

**PI #:** -0-

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Upright oval becoming ro

**Plant Height:** 8-10 ft.

**Plant Width:** 10-14 ft.

**Current Seasons Growth:** 2-6 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair to poor

**Landscape Uses:** Specimen, xeriscape, shrub border

**Overall Plant Health:** Fair to poor

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** Low vigor and poor growth habit possibly due to snow damage October 2011.

**Observation Date of Flowers:** 4/18/2012

**Flower Color:** Dark Purple

**Flower Type:** Cluster

**Flower Effect:** Good

**% of Flower Coverage:** 75-85%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Very showy this year.

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
### Scientific Name: Syringa vulgaris
### Variety: 
### Cultivar: Dappled Dawn
### Family: Oleaceae
### Tnum: 08059

#### Common Name: Dappled Dawn Lilac

**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**PI #:**

#### Observation Date of Plant: 10/9/2012

- **Plant Habit:** Upright oval  
- **Plant Height:** 4-5 ft.  
- **Plant Width:** 3-4 ft.  
- **Current Seasons Growth:** 2-6 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border

- **Overall Plant Health:** Fair
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:** Was in lathhouse too long and developed leggy growth habit and will take time t
- **Nuisances:** n/a
- **Recommended:**
- **Comments on plant:** Planted in 2011 - too soon to recommend.

#### Observation Date of Flowers: 4/18/2012

- **Flower Color:** Light lavender  
- **Flower Type:** Cluster  
- **Flower Effect:** Fair to good  
- **% of Flower Coverage:** 40.00%  
- **Bloom Stage:** Flowers open  
- **Fruit Present:**
- **Comments on Flowers:** Only in arboretum one full season so should get more flowers as it gains size.

- **Fall Color or Fruit:**
- **Aesthetics:**
- **Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Syringa vulgaris
Variety: -0-
Cultivar: Ludwig
Family: Oleaceae
Tsun: 88048
Common Name: Ludwig Common Lilac
Source: Forrest Keeling Nursery
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Broad oval to round
Plant Height: 8-12 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair
Insect Pests: Scale
Pest Severity: Moderate injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of two plants is crowded by nearby plants and in decline.

Observation Date of Flowers: 4/24/2012
Flower Color: Lavender with a shade of pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-70%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Syringa vulgaris

Monge

Oleaceae

Monge Common Lilac

Carlton Plants

2

10/9/2012

1-2 in.

Medium green

Unimportant

Medium

Poor

Specimen, xeriscape, shrub border

Poor

No

Some stems thinned in order to attempt to remove borers in 2008 and still looks rough. Both are near death in 2012.

4/24/2012

Dark lavender

Cluster

Fair

20-30%

Flowers open

Flowers open

Getting crowded by buckthorn.
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Syringa vulgaris  Variety: 
Cultivar: Monore  Family: Oleaceae  Tsnum: 08034
Common Name: Blue Skies Lilac
Source: Monrovia Growers  Quantity observed: 1  PI #:

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 4-5 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No
Comments on plant: Planted in 2010. Cause of low vigor is unknown.

Observation Date of Flowers: 4/18/2012
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Poor to fair
% of Flower Coverage: 10-15%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Having trouble getting established.

Fall Color or Fruit: 
Aesthetics: 
Fall Color:
### Scientific Name: Syringa vulgaris

- **Variety:** -0-
- **Family:** Oleaceae

### Cultivar: PMK 1301

### Common Name: PMK 1301 Common Lilac

### Source: Forrest Keeling Nursery

### Quantity observed: 1

### Tsnum: 78025

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/9/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Broad oval to round</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>7-10 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>12-15 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>6-12 in.</td>
</tr>
</tbody>
</table>

- **Foliage Color:** Medium green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Fair
- **Landscape Uses:** Specimen, shrub border

### Overall Plant Health: Fair

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended: Yes

### Comments on plant: Canopy looks a little thin.

### Observation Date of Flowers: 5/11/2006

- **Flower Color:** Light lavender
- **Flower Type:** Cluster
- **Flower Effect:** Good
- **% of Flower Coverage:** 60-80%
- **Bloom Stage:** Flowers open
- **Fruit Present:**
- **Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Syringa vulgaris  Varieties: -0-
Cultivar: President Lincoln  Family: Oleaceae  Tsnum: 78121
Common Name: President Lincoln Common Lilac
Source: USDA/NC-7  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 7-10 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Would probably look better if not crowded by nearby plants.

Observation Date of Flowers: 4/24/2012
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Fair to good
% of Flower Coverage: 30-40%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Parts of plant in full sun are blooming very well - needs space.

Fall Color or Fruit: Date of observation:
Aesthetics: Persistence:
Fall Color:
Scientific Name: Syringa vulgaris  
Cultivar: Pride of Moscow  
Family: Oleaceae  
Variety:  
Tsnnum: 94096

Common Name: Pride of Moscow Lilac  
Source: Cross Nurseries Inc.  
Quantity observed: 3

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Plants have never become very bushy - still look a little leggy.

Observation Date of Flowers: 4/24/2012
Flower Color: Light pink fading to white
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Would probably look better if plant was rejuvenated.

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
Scientific Name: Syringa wolffii

Family: Oleaceae

Common Name: Lilac

Source: Washington Park Arboretum

Quantity observed: 2

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6 - 8 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two plants is crowded by nearby plants and only looks fair. Second plant has a nice, compact and uniform growth habit.

Observation Date of Flowers: 5/26/2006

Flower Color: Light Lavender flowers, purple buds

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 70-85%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Tiny flowers with delicate appearance - very showy.

Fall Color or Fruit: Fall color

Date of observation: 9/23/2004

Aesthetics: Good

Persistance: 1-2 weeks

Fall Color: purple, dark red
<table>
<thead>
<tr>
<th>Scientific Name: Syringa x</th>
<th>Variety:</th>
</tr>
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<tbody>
<tr>
<td>Cultivar: 85-1</td>
<td>Family: Oleaceae</td>
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<tr>
<td>Common Name: Tinkerbelle Lilac</td>
<td>Tsnum: 98117</td>
</tr>
<tr>
<td>Source: Bailey Nurseries</td>
<td>Quantity observed: 1</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Undefined

**Plant Height:** 1-3 ft.

**Plant Width:** 2-4 ft.

**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Was rejuvenated in 2010 and slow to regain vigor.

**Observation Date of Flowers:** 5/11/2006

**Flower Color:** Pink

**Flower Type:** Cluster

**Flower Effect:** Excellent

**% of Flower Coverage:** 80-100%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Tiny flowers with delicate appearance.

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Syringa x  
**Cultivar:** Agnes Smith  
**Family:** Oleaceae  
**Common Name:** Agnes Smith Lilac  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**Tnum:** 94111  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Round to upright oval  
**Plant Height:** 7-9 ft.  
**Plant Width:** 6-9 ft.  
**Current Seasons Growth:** 6-10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Has a nice dense, uniform growth habit.

**Observation Date of Flowers:** 5/26/2006  
**Flower Color:** White with a hint of pink as a bud.  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 75-85%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
**Scientific Name:** Syringa x  
**Variety:** -0-  
**Cultivar:** Alphonse Lavelle  
**Family:** Oleaceae  
**Tnum:** 87185  
**Common Name:** Alphonse Lavelle Lilac  
**Source:** Mount Arbor Nursery  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Round  
**Plant Height:** 9-12 ft.  
**Plant Width:** 10-15 ft.  
**Current Seasons Growth:** 6 - 10 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**  

**Observation Date of Flowers:** 4/24/2012  
**Flower Color:** Light lavender  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 60-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
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<th>Syringa x</th>
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<td>Source:</td>
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<td></td>
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<td>PI #:</td>
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<td>Observation Date of Plant:</td>
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<td>Plant Habit:</td>
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<td>Current Seasons Growth:</td>
<td>3-6 in.</td>
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<td>Foliage Color:</td>
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<tr>
<td>Bark Characteristics:</td>
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<tr>
<td>Plant Summer Texture:</td>
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<td>Aesthetic Plant Quality:</td>
<td>Good</td>
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<tr>
<td>Landscape Uses:</td>
<td>Hedge, specimen, xeriscape, shrub border</td>
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<tr>
<td>Overall Plant Health:</td>
<td>Good</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
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<tr>
<td>Pest Severity:</td>
<td></td>
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<tr>
<td>Plant Disease:</td>
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<tr>
<td>Disease Severity:</td>
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<tr>
<td>Cultural Problems:</td>
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<tr>
<td>Nuisances:</td>
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<tr>
<td>Recommended:</td>
<td>Yes</td>
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<tr>
<td>Comments on plant:</td>
<td>Would probably be larger if not crowded by nearby plants.</td>
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**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**

---

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<table>
<thead>
<tr>
<th>Scientific Name: Syringa x chinensis</th>
<th>Variety: -0-</th>
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<tbody>
<tr>
<td>Cultivar: ‘Perier’</td>
<td>Family: Oleaceae</td>
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<tr>
<td>Common Name: Perier Chinese Lilac</td>
<td>Tnum: 87183</td>
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<tr>
<td>Source: Mount Arbor Nursery</td>
<td>Quantity observed: 2</td>
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</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Upright oval

**Plant Height:** 6-9 ft.

**Plant Width:** 7-10 ft.

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair

**Insect Pests:** Scale

**Pest Severity:** Severe on one plant

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** One of two was rejuvenated in 2011 and slow to come back.

**Observation Date of Flowers:** 5/9/2006

**Flower Color:** Light lavender

**Flower Type:** Cluster

**Flower Effect:** Fair

**% of Flower Coverage:** 30-40%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
### Scientific Name:
Syringa x chinensis

**Family:** Oleaceae

**Variety:** -0-

**Cultivar:** -0-

**Common Name:** Chinese Lilac

**Source:** Sherman Nursery

**Quantity observed:** 2

**Tsum:** 85182

**PI #:** -0-

---

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Round to broad oval

**Plant Height:** 6 - 9 ft.

**Plant Width:** 8-12 ft

**Current Seasons Growth:** 6-12 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Two plants rejuvenated in 2010. Both would probably look better with more sunlight.

---

**Observation Date of Flowers:** 4/24/2012

**Flower Color:** Lavender

**Flower Type:** Cluster

**Flower Effect:** Fair

**% of Flower Coverage:** 20-30%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Needs full sun and this plant is crowded by neighboring plants.

---

**Fall Color or Fruit:** Fall color

**Date of observation:** 10/28/2008

**Aesthetics:** Fair

**Persistance:** 1-2 weeks

**Fall Color:** Yellow
**Scientific Name:** Syringa x chinensis  
**Family:** Oleaceae  
**Cultivar:** Lilac Sunday  
**Common Name:** Lilac Sunday Lilac  
**Source:** Bailey Nurseries  
**Tsun:** 08060  
**Quantity observed:** 1  
**Observation Date of Plant:** 10/9/2012

- **Plant Habit:** Round  
- **Plant Height:** 5-6 ft.  
- **Plant Width:** 6-8 ft.  
- **Current Seasons Growth:** 1-2 ft.  
- **Foliage Color:** Dark green  
- **Bark Characteristics:** Unimportant  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Good  
- **Landscape Uses:** Specimen, shrub border  
- **Overall Plant Health:** Good  
- **Insect Pests:**  
- **Pest Severity:**  
- **Plant Disease:**  
- **Disease Severity:**  
- **Cultural Problems:**  
- **Nuisances:**  
- **Recommended:** Yes  
- **Comments on plant:** Planted in 2010.

**Observation Date of Flowers:** 4/19/2012  
**Flower Color:** Lavender  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 50-60%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

- **Fall Color or Fruit:**  
- **Date of observation:**  
- **Aesthetics:**  
- **Persistance:**  
- **Fall Color:**
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Syringa x hyacinthiflora</th>
<th>Variety:</th>
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<tr>
<td>Cultivar:</td>
<td>Assessippi</td>
<td>Family:</td>
<td>Oleaceae</td>
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<tr>
<td>Common Name:</td>
<td>Assessippi Lilac</td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed: 1</td>
<td>PI #:</td>
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</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Round

**Plant Height:** 4-5 ft.

**Plant Width:** 4-6 ft.

**Current Seasons Growth:** 4-8 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Planted in 2010.

**Observation Date of Flowers:** 4/18/2012

**Flower Color:** Light lavender

**Flower Type:** Cluster

**Flower Effect:** Good

**% of Flower Coverage:** 50-70%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Fall Color:**

**Persistance:**

---

Page 1007 of 1130
Scientific Name: Syringa x hyacinthiflora
Cultivar: Pocahontas
Family: Oleaceae
Common Name: Pocahontas Lilac
Source: Bailey Nurseries

Variety: Pocahontas

Plant Habit: Upright oval
Plant Height: 3-5 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent
Insect Pests: No
Pest Severity: No
Plant Disease: No
Disease Severity: No
Cultural Problems: No
Nuisances: No
Recommended: Yes
Comments on plant: Planted in 2010.

Observation Date of Plant: 10/9/2012

Observation Date of Flowers: 4/18/2012
Flower Color: Dark lavender fading to lighter lavender
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 30-40%
Bloom Stage: Flowers open
Fruit Present: No
Comments on Flowers: Recently planted

Fall Color or Fruit: No
Aesthetics: Good
Fall Color: No

Date of observation: Persistance:
Scientific Name: Syringa x prestoniae  
Cultivar: Donald Wyman  
Family: Oleaceae  
Common Name: Donald Wyman Lilac  
Source: Bailey Nurseries  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/9/2012  
Plant Habit: upright oval  
Plant Height: 4-5 ft.  
Plant Width: 3-4 ft.  
Current Seasons Growth: 3-6 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Marginal  
Comments on plant: Planted in 2010 and slow to regain vigor.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

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Scientific Name: Taxus cuspidata
Variety: -0-
Cultivar: -0-  Family: Taxaceae
Common Name: Japanese Yew
Source: Zelenka Nursery  Quantity observed: 2  PI #: -0-

Observation Date of Plant: 10/25/2011
Plant Habit: Broad oval
Plant Height: 6-9 ft.
Plant Width: 14-18 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
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<td>Common Name:</td>
<td>Pyramidal Japanese Yew</td>
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<td>Source:</td>
<td>Timber Creek Nursery</td>
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<td>Tnum:</td>
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<td>-0-</td>
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</table>

**Observation Date of Plant:** 10/25/2011  
**Plant Habit:** Upright oval to pyramidal  
**Plant Height:** 8 - 10 ft.  
**Plant Width:** 8-10 ft  
**Current Seasons Growth:** 4-6 in.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** One plant is shorter and with a thinner canopy from too much shade from nearby plants.  

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
Scientific Name: Taxus x media
Cultivar: Dark Green Spreader
Family: Taxaceae
Common Name: Dark Green Spreader Yew
Source: Zelenka Nursery

Variety: -0-
Tnum: 87109

Quantity observed: 2
PI #: -0-

Observation Date of Plant: 10/25/2011
Plant Habit: Irregular
Plant Height: 5 - 6.5 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 4-7 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Needs pruning for most landscapes otherwise it looks leggy.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Taxus x media
Cultivar: Tautoni
Family: Taxaceae
Common Name: Tautoni Anglojap Yew
Source: Zelenka Nursery
Quantity observed: 3
PI #: -0-

Tsun: 87110

Observation Date of Plant: 11/9/2012
Plant Habit: Spreading
Plant Height: 2 - 3 ft.
Plant Width: 4 - 6 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Would probably look better if not in nearly full shade.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics: 
Fall Color: 
Date of observation: 
Persistance: 

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Scientific Name: Thuja occidentalis  Variety: -0-
Cultivar: -0-  Family: Cupressaceae  Tsnum: 78122
Common Name: Eastern Arborvitae
Source: Unknown  Quantity observed: 3  PI #: -0-

Observation Date of Plant: 10/25/2011
Plant Habit: Columnar
Plant Height: 14-20 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 3 - 6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, screen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Deformed by snow load spring of 2003 and two of three still look odd in 2011.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  Date of observation:
Aesthetics:  Persistance:
Fall Color:
Scientific Name: Thuja occidentalis  
Variety: 
Cultivar: BailJohn  
Family: Cupressaceae  
Tsnum: 08047  

Common Name: Technito Arborvitae  
Source: Bailey Nurseries  
Quantity observed: 3  

Observation Date of Plant: 10/25/2011  
Plant Habit: Round to upright oval  
Plant Height: 2-4 ft.  
Plant Width: 2-3.5 ft.  
Current Seasons Growth: 4-8 in.  

Foliage Color: Dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: Yes  
Recommended: Yes  

Comments on plant: Planted in 2009. One was damaged by snow load in November 2009 but looks fairly normal now.  

Observation Date of Flowers: 
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:  

Fall Color or Fruit: 
Aesthetics: 
Fall Color:
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<tbody>
<tr>
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<tr>
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<td>Brandon's Arborvitae</td>
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<td>Source:</td>
<td>Monrovia Growers</td>
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<td>Observation Date of Plant:</td>
<td>7/15/2011</td>
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<td>Columnar</td>
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<tr>
<td>Plant Height:</td>
<td>4-6 ft.</td>
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<tr>
<td>Plant Width:</td>
<td>2.5-3.5 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>6-10 in.</td>
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**Observation Date of Flowers:**

- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**
- **Comments on Flowers:**

**Fall Color or Fruit:**

- **Date of observation:**
- **Aesthetics:**
- **Fall Color:**

**Persistance:**


Scientific Name: Thuja occidentalis  
Variety: -0- 
Cultivar: Emerald Green  
Family: Cupressaceae  
Tsnm: 83005 
Common Name: Emerald Green Eastern Arborvitae  
Source: Carlton Plants  
Quantity observed: 2  
PI #: -0- 

Observation Date of Plant: 10/25/2011  
Plant Habit: Columnar  
Plant Height: 12-17 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 4-8 in. 

Foliage Color: Medium to dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, screen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  

**Scientific Name:** Thuja occidentalis  
**Variety:** -0-  
**Cultivar:** Hetzii Midget  
**Family:** Cupressaceae  
**Tnumber:** 81209  
**Common Name:** Hetz Midget Eastern Arborvitae  
**Source:** Hines Nursery  
**Quantity observed:** 2  
**PI #:** -0-  

**Observation Date of Plant:** 10/25/2011  
**Plant Habit:** Round to upright oval  
**Plant Height:** 4-6 ft.  
**Plant Width:** 4-7 ft.  
**Current Seasons Growth:** 3 - 5 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Fine  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Hedge, specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Has very compact, dense growth. One of two getting crowded by neighboring plants.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Thuja occidentalis
Cultivar: Little Champ
Family: Cupressaceae
Common Name: Little Champ GLobe Arborvitae
Source: Jewell Nursery, Inc.
Quantity observed: 2

Variety: -0-
Tsun: 91128

Observation Date of Plant: 10/25/2011
Plant Habit: Round
Plant Height: 5-7 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good
Insect Pests: Yes
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:

Comments on plant: Pendulous branch tips. One of three significantly damaged by snow load in November 2009 and was removed.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:

Persistance:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Thuja occidentalis
Cultivar: Little Giant
Family: Cupressaceae
Tsunum: 87162
Common Name: Little Giant Eastern Arborvitae
Source: Oregon Garden Products
Quantity observed: 1

PI #: -0-

Observation Date of Plant: 10/25/2011
Plant Habit: Broad oval
Plant Height: 2 - 3 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 2-5 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Nearby plants are crowding it and affecting the growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Thuja occidentalis  Variety: -0-
Cultivar: Nigra  Family: Cupressaceae  Tsnm: 80062
Common Name: Dark Green Eastern Arborvitae
Source: Greenleaf Nursery Co.  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 10/25/2011
Plant Habit: Pyramidal becoming upri
Plant Height: 14-18 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Growth habit is a little more open.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Thuja occidentalis  
Variety: -0-  
Cultivar: Pyramidalis  
Family: Cupressaceae  
Tsnum: 81210  
Common Name: Pyramidal Eastern Arborvitae  
Source: Hines Nursery  
Quantity observed: 2  
PI #: -0-  

Observation Date of Plant: 10/25/2011  
Plant Habit: Columnar  
Plant Height: 18-22 ft.  
Plant Width: 5-8 ft.  
Current Seasons Growth: 6-10 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border, screen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Deformed by snow load spring of 2003.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

Page 1022 of 1130
Scientific Name: Thuja occidentalis
Variety: Smaragd
Family: Cupressaceae
Tsun: 12077
Common Name: Emerald Green Arborvitae
Source: Dr. Klett
Quantity observed: 1
PI #:

Observation Date of Plant: 11/12/2012
Plant Habit: Columnar
Plant Height: 5-6 ft.
Plant Width: 1-3 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
<table>
<thead>
<tr>
<th>Scientific Name: Thuja occidentalis</th>
<th>Variety: -0-</th>
</tr>
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<tbody>
<tr>
<td>Cultivar: Smaragd</td>
<td>Family: Cupressaceae</td>
</tr>
<tr>
<td>Common Name: Smaragd Eastern Arborvitae</td>
<td>PI #: -0-</td>
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<tr>
<td>Source: Hines Nursery</td>
<td>Tsnm: 81208</td>
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<table>
<thead>
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<th>Observation Date of Plant:</th>
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</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Columnar</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>12-15 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>5-7 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>4-8 in.</td>
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<table>
<thead>
<tr>
<th>Foliage Color:</th>
<th>Medium green</th>
</tr>
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<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
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<tr>
<td>Plant Summer Texture:</td>
<td>Fine</td>
</tr>
<tr>
<td>Aesthetic Plant Quality:</td>
<td>Good</td>
</tr>
<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border, screen</td>
</tr>
</tbody>
</table>

| Overall Plant Health: | Good |
| Insect Pests: |
| Pest Severity: |
| Plant Disease: |
| Disease Severity: |
| Cultural Problems: |
| Nuisances: | Yes |
| Recommended: | Yes |
| Comments on plant: | Some branches deformed by snow but not severe. |

| Observation Date of Flowers: |
| Flower Color: |
| Flower Type: |
| Flower Effect: |
| % of Flower Coverage: |
| Bloom Stage: |
| Fruit Present: |
| Comments on Flowers: |

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Date of observation:</th>
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<tbody>
<tr>
<td>Aesthetics:</td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
</tr>
</tbody>
</table>

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Thuja occidentalis
Cultivar: Sunkist
Family: Cupressaceae
Common Name: Sunkist Arborvitae
Source: Oregon Garden Products
Quantity observed: 2

Variety: -0-  
Tnum: 90074

Observation Date of Plant: 11/9/2012
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green with yellow shading on edges
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:

Date of observation:
Persistance:
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<tr>
<th>Scientific Name: Thuja occidentalis</th>
<th>Variety: -0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Technyi</td>
<td>Family: Cupressaceae</td>
</tr>
<tr>
<td>Common Name: Techny Eastern Arborvitae</td>
<td>Tsnm: 77012</td>
</tr>
<tr>
<td>Source: Unknown</td>
<td>Quantity observed: 1</td>
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</table>

**Observation Date of Plant:** 10/25/2011

**Plant Habit:** Pyramidal

**Plant Height:** 14-19 ft.

**Plant Width:** 15 - 20 ft.

**Current Seasons Growth:** 3-6 in.

**Foliage Color:** Gray/green

**Bark Characteristics:** Not very important

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, screen

**Overall Plant Health:** Fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Marginal

**Comments on plant:** Deformed by snow load spring of 2003. Canopy is very open and thin.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
Scientific Name: Thuja occidentalis  
Variety: -0-  
Tsnm: 80065  
Cultivar: Woodward  
Family: Cupressaceae  
Common Name: Woodward Eastern Arborvitae  
Source: Greenleaf Nursery Co.  
Quantity observed: 1  
PI #: -0-  

Observation Date of Plant: 10/25/2011  
Plant Habit: Broad oval  
Plant Height: 7-9 ft.  
Plant Width: 14-19 ft  
Current Seasons Growth: 4-8 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: One plant had severe damage from snow in 2003 and was removed. Remaining plant looks good except where it was shaded out by neighbor.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

Scientific Name: Thuja orientalis  
Variety: -0-  
Tnum: 88117  
Family: Cupressaceae  
Common Name: Oriental Arborvitae  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 2  
PI #: PI491521

Observation Date of Plant: 10/25/2011
Plant Habit: Pyramidal
Plant Height: 14-20 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 4 - 8 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: No
Recommended: No
Comments on plant: Poor, open growth habit. Weak canopy - thin and not very dense.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Persistance:
Aesthetics: Date of observation:
Fall Color:
### Scientific Name: Thuja orientalis
### Variety: -0-
### Cultivar: Aurea Nana
### Family: Cupressaceae
### Tsnum: 86147
### Common Name: Berckman's Golden Arborvitae

<table>
<thead>
<tr>
<th><strong>Source:</strong> Greenleaf Nursery Co.</th>
<th><strong>Quantity observed:</strong> 3</th>
<th><strong>PI #:</strong> -0-</th>
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</thead>
</table>

**Observation Date of Plant:** 10/25/2011

**Plant Habit:** Upright oval
**Plant Height:** 9-12 ft.
**Plant Width:** 6-8 ft.
**Current Seasons Growth:** 5-8 in.

**Foliage Color:** Medium green, bright
**Bark Characteristics:** Not very important
**Plant Summer Texture:** Fine
**Aesthetic Plant Quality:** Fair to good
**Landscape Uses:** Specimen, shrub border, screen

**Overall Plant Health:** Good
**Insect Pests:**
**Pest Severity:**
**Plant Disease:**
**Disease Severity:**
**Cultural Problems:**
**Nuisances:**
**Recommended:** Yes

**Comments on plant:** Attractive shades of yellow on new growth - appears very vibrant and vigorous. One of three trees has moderate damage from snow but rest look good.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:**
**Date of observation:**
**Aesthetics:**
**Persistence:**
**Fall Color:**
Scientific Name: Thuja orientalis  
Cultivar: Excelsa  
Family: Cupressaceae  
Tsnr #: 86148  
Common Name: Upright Green Arborvitae  
Source: Greenleaf Nursery Co.  
Quantity observed: 2  
PI #: -0-  

Observation Date of Plant: 10/25/2011  
Plant Habit: Pyramidal  
Plant Height: 8-11 ft.  
Plant Width: 7-10 ft.  
Current Seasons Growth: 3-6 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Fine  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Vigor would be better if it was in more sun.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
### Thuja plicata

**Scientific Name:** Thuja plicata  
**Family:** Cupressaceae  
**Common Name:** Western Red Cedar  
**Source:** Unknown  
**Quantity observed:** 1  
**Observation Date of Plant:** 10/25/2011  
**Tsnm:** 78123  
**PI #:** -0-  

| **Plant Habit** | Columnar  
| **Plant Height** | 15 - 20 ft.  
| **Plant Width** | 6-8 ft.  
| **Current Seasons Growth** | 4-8 in.  

- **Foliage Color:** Medium to dark green  
- **Bark Characteristics:** Unimportant  
- **Plant Summer Texture:** Fine  
- **Aesthetic Plant Quality:** Fair to good  
- **Landscape Uses:** Specimen, shrub border, screen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  

**Comments on plant:** Badly deformed by snow load during the Spring of 2003 and suffered some more in November 2009. Looks fairly good in 2011 except for a few lumps in growth habit.
<table>
<thead>
<tr>
<th>Scientific Name: Tilia americana</th>
<th>Variety:</th>
<th>Tsnum: 94053</th>
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<tbody>
<tr>
<td>Cultivar: Boulevard</td>
<td>Family: Tiliaceae</td>
<td></td>
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<tr>
<td>Common Name: Boulevard Linden</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source: Bailey Nurseries</td>
<td>Quantity observed: 2</td>
<td>PI #:</td>
</tr>
</tbody>
</table>

| Observation Date of Plant: 10/11/2011 |
| Plant Habit: Narrow pyramidal or upright |
| Plant Height: 15-20 ft. |
| Plant Width: 8-13 ft. |
| Current Seasons Growth: 3-6 in. |

| Foliage Color: Dark green |
| Bark Characteristics: Unimportant |
| Plant Summer Texture: Medium |
| Aesthetic Plant Quality: Good |
| Landscape Uses: Residential street, specimen |

| Overall Plant Health: Fair to good |
| Insect Pests: |
| Pest Severity: |
| Plant Disease: |
| Disease Severity: |
| Cultural Problems: |
| Nuisances: Yes |
| Recommended: Yes |

**Comments on plant:** Moved Spring of 2003 due to unavoidable construction. One of two has a more dominant central leader and is more narrow in habit.

**Observation Date of Flowers:**
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

| Fall Color or Fruit: |
| Date of observation: |
| Aesthetics: |
| Persistence: |
| Fall Color: |
### Scientific Name: Tilia americana

**Variety:** -0-  
**Family:** Tiliaceae  
**Tnum:** 87136

**Cultivar:** Legend  
**Common Name:** Legend American Linden  
**Source:** Discover-Tree Research  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Pyramidal becoming upright  
**Plant Height:** 40-50 ft.  
**Plant Width:** 20-25 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on Plant:** This plant is crowded for space so it may grow wider in most landscapes and look healthier.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Scientific Name: Tilia americana  
Variety:  
Cultivar: McSentry  
Family: Tiliaceae  
Tnum: 07055  
Common Name: American Sentry Linden  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #:  

Observation Date of Plant: 10/10/2011  
Plant Habit: Pyramidal  
Plant Height: 8-10 ft.  
Plant Width: 6-8 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Residential street, specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: n/a  
Recommended: n/a  
Comments on plant: Planted in 2011 - too soon to recommend.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistence:
Scientific Name: Tilia americana
Cultivar: Redmond
Family: Tiliaceae
Variety:
Tsnum: 03118
Common Name: Redmond Linden
Source: Colorado Garden & Home Show
Quantity observed: 2
PI #:

Observation Date of Plant: 10/4/2011
Plant Habit: Irregular to pyramidal
Plant Height: 9-14 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 3-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
### Tilia americana

**Scientific Name:** Tilia americana  
**Variety:**  
**Cultivar:** Sentry  
**Family:** Tiliaceae  
**Tnum:** 05010  
**Common Name:** Sentry Linden  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 1  
**PI #:**

**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 8-10 ft.  
**Plant Width:** 6-8 ft.  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Scientific Name: Tilia americana
Cultivar: Sentry
Family: Tiliaceae
Variety:
TSnum: 05010
Common Name: Sentry Linden
Source: J. Frank Schmidt and Son Co
Quantity observed: 1
PI #:

Observation Date of Plant: 10/9/2012
Plant Habit: Pyramidal
Plant Height: 8-12 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2009. Vigor is still poor even though it still looks pretty good.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Scientific Name:  Tilia americana
Cultivar:  Skinner's Fastigiate  Family:  Tiliaceae
Common Name:  Skinner's Fastigiate American Linden
Source: Valley Nursery  Variety:  -0-
Quantity observed:  2  Tsnum:  81109

Observation Date of Plant:  10/10/2011
Plant Habit:  Pyramidal to upright oval
Plant Height:  40-50 ft.
Plant Width:  30-40 ft.
Current Seasons Growth:  10-15 in.

Foliage Color:  Medium green
Bark Characteristics:  Unimportant
Plant Summer Texture:  Medium
Aesthetic Plant Quality:  Fair to good
Landscape Uses:  Residential street, specimen

Overall Plant Health:  Fair to good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended:  Yes

Comments on plant:  Doesn't appear very fastigiate in growth habit. One of two trees is at edge of arboretum and looks fair with some branch dieback probably due to inadequate irrigation.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Date of observation:
Fall Color:
Persistance:
<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Tilia cordata</th>
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<td>Family:</td>
<td>Tiliaceae</td>
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<tr>
<td>Common Name:</td>
<td>#18 Littleleaf Linden</td>
<td>Tsum:</td>
<td>85144</td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed:</td>
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<tr>
<td>PI #:</td>
<td>-0-</td>
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</table>

**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Pyramidal to upright oval  
**Plant Height:** 40-50 ft.  
**Plant Width:** 30-40 ft.  
**Current Seasons Growth:** 8-12 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Intermediate importance  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, large shade tree  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
### Scientific Name: **Tilia cordata**

**Variety:** -0-

**Cultivar:** -0-  
**Family:** Tiliaceae  
**Tsun:** 81150

**Common Name:** Littleleaf Linden

**Source:** American Nursery Product/Mi  
**Quantity observed:** 1  
**PI #:** -0-

#### Observation Date of Plant: 10/10/2011

#### Plant Habit: Pyramidal becoming upri

#### Plant Height: 40-50 ft.

#### Plant Width: 35-45 ft.

#### Current Seasons Growth: 10-15 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, specimen, large shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Has multiple codominant stems. Would probably be wider if not crowded by neighboring trees.

---

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

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**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**

---

Page 1040 of 1130
Scientific Name: Tilia cordata  
Variety: -0- 
Cultivar: Chancellor  
Family: Tiliaceae  
Tsunum: 81131 
Common Name: Chancellor Linden 
Source: J. Frank Schmidt and Son Co  
Quantity observed: 1  
PI #: -0- 

Observation Date of Plant: 10/10/2011
Plant Habit: Pyramidal
Plant Height: 24-30 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:  
Recommended: Yes
Comments on plant: Very attractive, uniform growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color  
Date of observation: 10/21/2003
Aesthetics: Good  
Persistence: 1-2 weeks
Fall Color: yellow
### Scientific Name: Tilia cordata
### Cultivar: Corzam
### Family: Tiliaceae
### Tnum: 94034
### Variety: 
### Common Name: Corinthian Linden
### Source: J. Frank Schmidt and Son Co

#### Quantity observed: 2  
#### PI #:

#### Observation Date of Plant: 10/11/2011

### Plant Habit: Upright oval
### Plant Height: 12-17 ft.
### Plant Width: 8-12 ft.
### Current Seasons Growth: 2-4 in.

#### Foliage Color: Medium green
#### Bark Characteristics: Unimportant
#### Plant Summer Texture: Medium
#### Aesthetic Plant Quality: Good
#### Landscape Uses: Residential street

### Overall Plant Health: Fair
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems:
### Nuisances:

#### Recommended: Yes

#### Comments on plant: Nice dense habit. Growth habit is less pyramidal than most Tilia cordata. Vigor is a little low but trees still look good. Needs better irrigation system than drip.

### Observation Date of Flowers:

#### Flower Color:
#### Flower Type:
#### Flower Effect:
#### % of Flower Coverage:
#### Bloom Stage:
#### Fruit Present:
#### Comments on Flowers:

### Fall Color or Fruit:
### Aesthetics:
### Fall Color:

### Date of observation:
### Persistance:
Scientific Name: Tilia cordata  
Cultivar: De Groot  
Family: Tiliaceae  
Common Name: De Groot Littleleaf Linden  
Source: Carlton Plants  
Quantity observed: 2  
Tnum: 88103

Observation Date of Plant: 10/10/2011  
Plant Habit: Upright oval to pyramidal  
Plant Height: 30-40 ft.  
Plant Width: 30-40 ft.  
Current Seasons Growth: 8-14 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Residential street, Specimen  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Has multiple codominant stems. Would probably be wider if not crowded by neighboring trees.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Aesthetics: Fair  
Fall Color: bright yellow, green  
Date of observation: 10/21/2003  
Persistence: 1-2 weeks
Scientific Name: Tilia cordata  
Variety: -0-  
Family: Tiliaceae  
Tsnum: 84143

Cultivar: Fairview  
Common Name: Fairview Littleleaf Linden

Source: A. McGill & Son Nursery  
Quantity observed: 2  
PI #: -0-

Observation Date of Plant: 10/10/2011

Plant Habit: Pyramidal

Plant Height: 30-37 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering one of two trees

Recommended: Yes

Comments on plant: Trunks on both trees are unusually curved - not straight like most Tilia. Not sure of the cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Date of observation:

Aesthetics:

Persistance:

Fall Color:
<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Tilia cordata</th>
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</thead>
<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>Glenleven</td>
</tr>
<tr>
<td><strong>Family:</strong></td>
<td>Tiliaceae</td>
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<td><strong>Tnum:</strong></td>
<td>94035</td>
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<tr>
<td><strong>Common Name:</strong></td>
<td>Glenleven Linden</td>
</tr>
<tr>
<td><strong>Source:</strong></td>
<td>J. Frank Schmidt and Son Co</td>
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<td><strong>Quantity observed:</strong></td>
<td>2</td>
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<tr>
<td><strong>Observation Date of Plant:</strong></td>
<td>10/11/2011</td>
</tr>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Pyramidal</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>15 - 20 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>10-15 ft</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>8-12 in.</td>
</tr>
<tr>
<td><strong>Foliage Color:</strong></td>
<td>Medium green</td>
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<tr>
<td><strong>Bark Characteristics:</strong></td>
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<tr>
<td><strong>Plant Summer Texture:</strong></td>
<td>Medium</td>
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<tr>
<td><strong>Aesthetic Plant Quality:</strong></td>
<td>Good</td>
</tr>
<tr>
<td><strong>Landscape Uses:</strong></td>
<td>Residential street, specimen</td>
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<tr>
<td><strong>Overall Plant Health:</strong></td>
<td>Good</td>
</tr>
<tr>
<td><strong>Insect Pests:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Pest Severity:</strong></td>
<td></td>
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<tr>
<td><strong>Plant Disease:</strong></td>
<td></td>
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<tr>
<td><strong>Disease Severity:</strong></td>
<td></td>
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<td><strong>Cultural Problems:</strong></td>
<td></td>
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<tr>
<td><strong>Nuisances:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Recommended:</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Comments on plant:</strong></td>
<td>Moved Spring of 2003 due to unavoidable construction. Seems to have better vigor than neighboring Tilias.</td>
</tr>
</tbody>
</table>

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/23/2009  
**Aesthetics:** Fair  
**Persistance:** 1-2 weeks  
**Fall Color:** Dark yellow
Overall Plant Health: Fair to good
Insect Pests: Galls
Pest Severity: Minor injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One moved in 2003. Both sucker a lot and have adventitious budding along rootstock trunk which requires pruning. Never has been very vigorous.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Tilia cordata
Cultivar: June Bride
Family: Tiliaceae
Tsun: 83140
Common Name: June Bride Littleleaf Linden
Source: J. Frank Schmidt and Son Co
Quantity observed: 2

Observation Date of Plant: 10/10/2011

Plant Habit: Pyramidal
Plant Height: 38-48 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Nice growth habit. Very uniform and strong central leader. May be wider if not crowded for space.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color: Date of observation:
Persistance:
### Scientific Name: Tilia cordata  
**Variety:** -0-  
**Family:** Tiliaceae  
**Tsnum:** 91136  
**Cultivar:** Norlim  
**Common Name:** Norlim Littleleaf Linden  
**Source:** Bailey Nurseries  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Pyramidal  
**Plant Height:** 40-50 ft.  
**Plant Width:** 30-35 ft.  
**Current Seasons Growth:** 10-15 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  

**Comments on plant:** Has a strong central leader without any codominant stems. Would probably be wider if not crowded by neighboring trees.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Persistance:**  

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Tilia cordata</th>
<th>Variety:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Olympic</td>
<td>Family:</td>
<td>Tiliaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Olympic Linden</td>
<td></td>
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<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
<td>Quantity observed:</td>
<td>2</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/11/2011  
**Plant Habit:** Pyramidal  
**Plant Height:** 15 - 20 ft.  
**Plant Width:** 10 - 20 ft.  
**Current Seasons Growth:** 3-5 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Many suckers on one of two trees.  
**Recommended:** Yes  
**Comments on plant:** Moved Spring of 2003 due to unavoidable construction.

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/2/2009  
**Aesthetics:** Fair  
**Persistence:** 1-2 weeks  
**Fall Color:** yellow
Scientific Name: Tilia cordata
Cultivar: Prestige
Family: Tiliaceae
Tsnm: 87182
Common Name: Prestige Littleleaf Linden
Source: Discover-Tree Research
Quantity observed: 1

Observation Date of Plant: 10/10/2011
Plant Habit: Pyramidal
Plant Height: 30-40 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
### Tilia cordata

**Variety:** -0-  
**Tnum:** 93043  
**Family:** Tiliaceae  
**Cultivar:** Prestige  
**Common Name:** Prestige Linden  
**Source:** A. McGill & Son Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Pyramidal  
**Plant Height:** 18-25 ft.  
**Plant Width:** 18-25 ft  
**Current Seasons Growth:** 8-14 in  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**  

---

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

- **Fall Color or Fruit:** Fall color  
- **Date of observation:** 10/21/2003  
- **Aesthetics:** Fair  
- **Persistance:** 1-2 weeks  
- **Fall Color:** yellow
Scientific Name: Tilia cordata
Cultivar: Ronald
Family: Tiliaceae
Common Name: Norlin Linden Crabapple
Source: Bailey Nurseries

Tsnm: 92111

Quantity observed: 1

PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Pyramidal becoming upri
Plant Height: 15 - 20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Vigor is poor for unknown reason but still looks okay although the canopy seems a little thin.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Persistance: 1-2 weeks
Fall Color: yellow, burnt orange

Date of observation: 9/23/2009

Fall Color: yellow, burnt orange
Aesthetics: Fair
Persistance: 1-2 weeks
**Scientific Name:** Tilia cordata  
**Cultivar:** Salem  
**Family:** Tiliaceae  
**Common Name:** Salem Littleleaf Linden  
**Source:** Handy Nursery Co.  
**Quantity observed:** 3  
**Observation Date of Plant:** 10/10/2011  
**Plant Habit:** Pyramidal  
**Plant Height:** 20-30 ft.  
**Plant Width:** 28-40 ft.  
**Current Seasons Growth:** 8-12 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, specimen, large shade tree  
**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/16/2003  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** bright yellow
Scientific Name: Tilia cordata
Cultivar: Unizam
Family: Tiliaceae
Common Name: Unique Linden
Source: Femrite Nursery Company
Quantity observed: 2

Tsnum: 08018

Observation Date of Plant: 10/10/2011
Plant Habit: Upright oval
Plant Height: 7-10 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease: Leaf spot
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2009.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Tilia heterophylla
Variety: Continental Appeal
Family: Tiliaceae
Tnum: 00040

Common Name: Continental Appeal Linden
Source: A. McGill & Son Nursery
Quantity observed: 1

Observation Date of Plant: 10/4/2011
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Moderate suckering
Recommended: Yes
Comments on plant: Planted in 2003. Foliage is relatively large.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: yellow
Date of observation: 9/23/2004
Persistance: 2-4 weeks
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Tilia heterophylla
Variety: 

Cultivar: Continental Appeal  Family: Tiliaceae

Common Name: Continental Appeal Beetree Linden

Source: J. Frank Schmidt and Son Co  Quantity observed: 1  PI #:

Tsnum: 07056

Observation Date of Plant: 10/10/2011

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Date of observation:

Aesthetics:

Persistance:

Fall Color:
Scientific Name: Tilia mongolica
Cultivar: Harvest Gold
Family: Tiliaceae
Variety:
Tnum: 99014

Common Name: Harvest Gold Linden
Source: Bailey Nurseries
Quantity observed: 2

Observation Date of Plant: 10/11/2011
Plant Habit: Pyramidal to upright oval
Plant Height: 10-12 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Some discoloration on trunk may indicate a canker which would account for low vigor. Second tree is very attractive with dark leaves and a uniform, compact growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair to good
Fall Color: Yellow
Date of observation: 9/29/2009
Persistence: 1-2 weeks

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Scientific Name: Tilia tomentosa
Variety: -0-
Cultivar: Sterling Silver
Family: Tiliaceae
Tsun: 87107
Scientific Name: Tilia tomentosa
Variety: -0-
Cultivar: Sterling Silver
Family: Tiliaceae
Tsun: 87107
Common Name: Sterling Silver Silver Linden
Source: Pacific Coast Nursery
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 10/4/2011
Plant Habit: Pyramidal becoming upri
Plant Height: 20-30 ft.
Plant Width: 15-25 ft
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
Scientific Name: Tilia x euchlora  Variety: -0-
Cultivar: Redmond  Family: Tiliaceae  Tsnum: 81132
Common Name: Redmond Crimean Linden
Source: J. Frank Schmidt and Son Co  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 10/10/2011
Plant Habit: Pyramidal becoming upri
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  Date of observation:
Aesthetics:  Persistance:
Fall Color:
Scientific Name: Tilia x europaea
Variety: -0-
Cultivar: -0-  Family: Tiliaceae
Common Name: European Linden
Source: Handy Nursery Co.  Quantity observed: 2  PI #: -0-

Observation Date of Plant: 10/10/2011

Plant Habit: Pyramidal
Plant Height: 20-30 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Moderate suckering on one tree. Tree at the edge of arboretum appears slightly chlorotic probably due to inadequate irrigation.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
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Colorado State University, Fort Collins, Colorado

**Scientific Name:** Ulmus  
**Cultivar:** Accolade  
**Family:** Ulmaceae  
**Variety:**  
**Tsnum:** 98044  
**Common Name:** Accolade Elm  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 2  
**Observation Date of Plant:** 9/17/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 20-28 ft.  
**Plant Width:** 20-30 ft.  
**Current Seasons Growth:** 20-40 in.  
**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Residential street, large shade tree  
**Overall Plant Health:** Fair to good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Top 8-10 feet of one tree has died from possible disease problem in 2010 but the rest looks fine in 2012.

**Observation Date of Flowers:** 9/30/2012  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 9/30/2012  
**Aesthetics:** Fair  
**Persistence:** 1-2 weeks  
**Fall Color:** bright yellow
Scientific Name: Ulmus
Cultivar: Morton Red Tip
Family: Ulmaceae
Common Name: Danada Charm Elm
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 9/17/2012

Plant Habit: Upright oval
Plant Height: 28-35 ft.
Plant Width: 25-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Insect Pests: Scale, chewing insects and leafminer
Pest Severity: Minor injury

Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Branches have a fair amount of sooty mold from scale. Not one of the better varieties but looks okay.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Date of observation: 9/30/2012
Aesthetics: Fair
Persistence: 1-2 weeks
Fall Color: Yellow
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name: Ulmus carpinifolia</th>
<th>Variety: -0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: -0-</td>
<td>Family: Ulmaceae</td>
</tr>
<tr>
<td>Common Name: Chinese Elm</td>
<td>Tsnnum: 78211</td>
</tr>
<tr>
<td>Source: Unknown</td>
<td>Quantity observed: 1</td>
</tr>
<tr>
<td></td>
<td>PI #: -0-</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/25/2012

**Plant Habit:** Upright oval

**Plant Height:** 25-35 ft.

**Plant Width:** 20-30 ft.

**Current Seasons Growth:** 12-18 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Intermediate importance

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Residential street, medium sized shade tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** This plant has a relatively smaller leaf and growth habit. Very attractive and clean foliage.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Ulmus carpinifolia x parvifolia  
**Variety:**  
**Cultivar:** Triumph  
**Family:** Ulmaceae  
**Tsnum:** 07039  
**Common Name:** Triumph Elm  
**Source:** A. McGill & Son Nursery  
**Quantity observed:** 1  
**PI #:**  

**Observation Date of Plant:** 10/4/2011  
**Plant Habit:** Round  
**Plant Height:** 6-10 ft.  
**Plant Width:** 6-10 ft.  
**Current Seasons Growth:** 1-2 ft.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, medium sized shade tree  

**Overall Plant Health:** Good  
**Insect Pests:** Scale  
**Pest Severity:** Slight injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Planted in 2009. Leaning to one side so is wider than normal but appears to be regaining normal growth habit as it matures.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Ulmus davidiana</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td></td>
<td>Tnum: 96148</td>
</tr>
<tr>
<td>Common Name:</td>
<td>David Elm</td>
<td></td>
</tr>
<tr>
<td>Source: Morton Arboretum from Harbi</td>
<td>Quantity observed: 2</td>
<td>PI #:</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/17/2012

- **Plant Habit:** Round
- **Plant Height:** 20-25 ft.
- **Plant Width:** 25-30 ft.
- **Current Seasons Growth:** 10-15 in.

- **Foliage Color:** Medium to dark green
- **Bark Characteristics:** Unimportant
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Residential street, medium/large shade tree

- **Overall Plant Health:** Good
- **Insect Pests:**
- **Pest Severity:**
- **Plant Disease:**
- **Disease Severity:**
- **Cultural Problems:**
- **Nuisances:** Yes
- **Recommended:**

**Comments on plant:** Has significantly less insect damage than some others in collection. Very clean overall.

**Observation Date of Flowers:**
- **Flower Color:**
- **Flower Type:**
- **Flower Effect:**
- **% of Flower Coverage:**
- **Bloom Stage:**
- **Fruit Present:**

**Comments on Flowers:**

- **Fall Color or Fruit:** Fall color
- **Date of observation:** 9/30/2012
- **Aesthetics:** Good
- **Persistence:** 1-2 weeks
- **Fall Color:** Yellow
**Scientific Name:** Ulmus glabra  
**Cultivar:** Camperdownii  
**Common Name:** Camperdown Elm  
**Source:** Carlton Plants  
**Quantity observed:** 2

**Variety:**  
**Family:** Ulmaceae  
**Tsnum:** 07069

**Observation Date of Plant:** 10/9/2012  
**Plant Habit:** Weeping  
**Plant Height:** 5-7 ft.  
**Plant Width:** 5-7 ft.  
**Current Seasons Growth:** 3-6 in.

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Poor  
**Landscape Uses:** Specimen

**Overall Plant Health:** Poor  
**Insect Pests:** Scale, aphids  
**Pest Severity:** Severe injury

**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** No  
**Recommended:** No  
**Comments on plant:** Planted in 2008. Both trees have a bad problem with sooty mold and low vigor due to insects.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistence:**
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Ulmus hybrid</th>
<th>Variety:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Family: Ulmaceae</td>
</tr>
<tr>
<td>Common Name: Elm</td>
<td>Tnum: 01014</td>
</tr>
<tr>
<td>Source: J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 1</td>
</tr>
<tr>
<td></td>
<td>PI #: S/B destro</td>
</tr>
</tbody>
</table>

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair
Insect Pests: Chewing insects
Pest Severity: Minor injury
Plant Disease: Canker on trunk
Disease Severity: Moderate injury
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Has included bark in two major branch unions. No sign of scale. Attractive
growth habit. Looks good except for fairly large canker on trunk.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

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Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2011 too soon to recommend. Central leader died back about 2 feet a couple years ago but seems to be okay now.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Ulmus parvifolia
Cultivar: Dynasty
Family: Ulmaceae
 Variety: 
Tnum: 02041

Common Name: Dynasty Elm
Source: USDA/NC-7, Ames, IA
Quantity observed: 2
PI #: 486339

Observation Date of Plant: 10/9/2012

Plant Habit: Vase or upright oval
Plant Height: 7-9 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 4-8 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair
Insect Pests: Scale
Pest Severity: Moderate injury - only on one tree
Plant Disease: Sooty mold
Disease Severity: Severe, aesthetics affected
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: One of two looks much better than the second tree. Planted in arboretum in 2004.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Date of observation:
Persistance:
Fall Color:
Scientific Name: Ulmus propinqua  Variety:  
Cultivar: JFS-Bieberich  Family: Ulmaceae  Tnum: 08008
Common Name: Emerald Sunshine Elm  
Source: J. Frank Schmidt and Son Co  Quantity observed: 1  PI #:

Observation Date of Plant: 9/20/2012  
Plant Habit: Upright oval  
Plant Height: 7-9 ft.  
Plant Width: 3-4 ft.  
Current Seasons Growth: 4-10 in.

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: n/a  
Recommended: n/a  
Comments on plant: Planted in 2011 too soon to recommend. 2012 was very hot and dry and was difficult to gain vigor.

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
Scientific Name: Ulmus wilsoniana
Cultivar: Prospector
Family: Ulmaceae
Variety: 
Tsun: 94037

Common Name: Prospector Elm
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 9/20/2012
Plant Habit: Upright oval to round
Plant Height: 22-28 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 18-36 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair
Insect Pests: Scale
Pest Severity: Moderate injury
Plant Disease: Sooty mold
Disease Severity: Slight injury
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Central leader leaning - possibly due to snow damage last October that destroyed sister tree.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color:

Date of observation:
Persistance:
Scientific Name: Ulmus x
Cultivar: Morton Glossy
Family: Ulmaceae
Variety:

Tsnum: 00166

Common Name: Triumph Elm
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

PI #: 

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval, round
Plant Height: 10-15 ft.
Plant Width: 8-12 ft
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Insect Pests: Chewing insects
Pest Severity: Slight injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Suffered some storm damage October 2011 which decreased overall aesthetics.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistance: 

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Scientific Name: Ulmus x  Variety:  
Cultivar: Morton Plainsman  Family: Ulmaceae  
Common Name: Vanguard Elm  Tsnum: 00167  
Source: J. Frank Schmidt and Son Co  Quantity observed: 2  

Observation Date of Plant: 9/20/2012  
Plant Habit: Upright oval to round  
Plant Height: 15-25 ft.  
Plant Width: 12-28 ft.  
Current Seasons Growth: 12-36 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Residential street, large shade tree  

Overall Plant Health: Good  
Insect Pests: Scale  
Pest Severity: Slight injury  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended:  
Comments on plant: Growth habit isn't the best - lacks a central leader on largest tree. Second tree is only about 10’ tall but looks good.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  Date of observation: 10/9/2009  
Aesthetics: Fair to poor  Persistance: 1-2 weeks  
Fall Color: Pale yellow  

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### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Scientific Name:** Ulmus x  
**Variety:**  
**Cultivar:** Morton Stalwart  
**Family:** Ulmaceae  
**Tnum:** 00164  
**Common Name:** Commendation Elm  
**Source:** J. Frank Schmidt and Son Co  
**Quantity observed:** 2  
**PI #:**  

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>9/17/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Upright oval to irregular</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>15-25 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>10-25 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>6-14 in.</td>
</tr>
</tbody>
</table>

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Residential street, large shade tree  

**Overall Plant Health:** Good  
**Insect Pests:** Leaf miner  
**Pest Severity:** Slight injury  
**Plant Disease:** Wet wood one of two trees  
**Disease Severity:** Minor injury  
**Cultural Problems:** Possible restrictive root on one side of larger tree  
**Nuisances:** Yes  
**Recommended:**  
**Comments on plant:** Branching habit is fairly open on larger tree. Second tree has much less vigor but still looks good.

### Observation Date of Flowers:

**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

<table>
<thead>
<tr>
<th>Fall Color or Fruit:</th>
<th>Fall color</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Date of observation:</strong></td>
<td>9/30/2012</td>
</tr>
<tr>
<td><strong>Aesthetics:</strong></td>
<td>Fair</td>
</tr>
<tr>
<td><strong>Persistance:</strong></td>
<td>1-2 weeks</td>
</tr>
<tr>
<td><strong>Fall Color:</strong></td>
<td>Light yellow</td>
</tr>
<tr>
<td>Scientific Name: Ulmus x</td>
<td>Variety:</td>
</tr>
<tr>
<td>-------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Cultivar: Patriot</td>
<td>Family: Ulmaceae</td>
</tr>
<tr>
<td>Common Name: Patriot Elm</td>
<td>Tnum: 00165</td>
</tr>
<tr>
<td>Source: J. Frank Schmidt and Son Co</td>
<td>Quantity observed: 2</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/9/2012

**Plant Habit:** Upright oval to irregular

**Plant Height:** 10-17 ft.

**Plant Width:** 8-12 ft.

**Current Seasons Growth:** 4-8 in.

**Foliage Color:** Medium to dark green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Residential street, large shade tree

**Overall Plant Health:** Fair

**Insect Pests:** Scale, chewing insects

**Pest Severity:** Moderate to severe

**Plant Disease:** Sooty mold

**Disease Severity:** Moderate injury

**Cultural Problems:**

**Nuisances:** Marginal

**Recommended:** Marginal

**Comments on plant:** Planted in arboretum in 2004. Would look much better if not for scale and sooty mold.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
Scientific Name: Ulmus x
Variety: -0-
Cultivar: Pioneer
Family: Ulmaceae
Tnum: 84243
Common Name: Pioneer Elm
Source: J. Frank Schmidt and Son Co
Quantity observed: 1
PI #: -0-

Observation Date of Plant: 9/20/2012
Plant Habit: Vase
Plant Height: 30-35 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Insect Pests: Scale
Pest Severity: Moderate injury
Plant Disease: Sooty mold
Disease Severity: Minor injury
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Needs some pruning due to dieback from scale.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:

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2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Viburnum  
**Variety:** -0-  
**Cultivar:** Emerald Triumph  
**Family:** Caprifoliaceae  
**Tsunum:** 92114  
**Common Name:** Emerald Triumph Viburnum  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**PI #:** -0-

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Round to broad oval  
**Plant Height:** 5-7 ft.  
**Plant Width:** 10-12 ft  
**Current Seasons Growth:** 12-24 in.

**Foliage Color:** Medium to dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Rejuvenated one is same size and looks better, uniform and healthier.

**Observation Date of Flowers:** 4/26/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 70-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/28/2008  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** Red and golden yellow
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center  
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name: Viburnum</th>
<th>Variety: -0-</th>
<th>Tsnun: 92102</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Emerald Triumph</td>
<td>Family: Caprifoliaceae</td>
<td>-</td>
</tr>
<tr>
<td>Common Name: Emerald Triumph Viburnum</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Source: USDA/NC-7, Ames, IA</td>
<td>Quantity observed: 2</td>
<td>PI #: 15914</td>
</tr>
</tbody>
</table>

Observation Date of Plant: 9/29/2011  
Plant Habit: Broad oval to round  
Plant Height: 6-9 ft.  
Plant Width: 8-12 ft.  
Current Seasons Growth: 6-14 in.

Foliage Color: Medium to dark green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border

<table>
<thead>
<tr>
<th>Overall Plant Health: Excellent</th>
<th>Insect Pests:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pest Severity:</td>
<td></td>
</tr>
<tr>
<td>Plant Disease:</td>
<td></td>
</tr>
<tr>
<td>Disease Severity:</td>
<td></td>
</tr>
<tr>
<td>Cultural Problems:</td>
<td></td>
</tr>
<tr>
<td>Nuisances:</td>
<td></td>
</tr>
<tr>
<td>Recommended: Yes</td>
<td></td>
</tr>
<tr>
<td>Comments on plant: Moved Spring of 2003 due to unavoidable construction. Looks great now.</td>
<td></td>
</tr>
</tbody>
</table>

Observation Date of Flowers: 4/26/2006  
Flower Color: White  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 70-90%  
Bloom Stage: Flowers open  
Fruit Present: |  
Comments on Flowers: |

<table>
<thead>
<tr>
<th>Fall Color or Fruit: Fall color</th>
<th>Date of observation: 10/21/2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics: Good</td>
<td>Persistance: 1-2 weeks</td>
</tr>
<tr>
<td>Fall Color: red, orangish red</td>
<td>-</td>
</tr>
</tbody>
</table>
### Scientific Name: Viburnum bodnantense  
**Variety:** -0-  
**Family:** Caprifoliaceae  
**Tsnm:** 88204  
**Cultivar:** Pink Dawn  
**Common Name:** Pink Dawn Hybrid Viburnum  
**Source:** Hines Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Upright oval to round  
**Plant Height:** 8-11 ft.  
**Plant Width:** 10-15 ft  
**Current Seasons Growth:** 12-24 in.  

- **Foliage Color:** Dark green  
- **Bark Characteristics:** Unimportant  
- **Plant Summer Texture:** Medium  
- **Aesthetic Plant Quality:** Good  
- **Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:** 3/18/2012  
**Flower Color:** Pink  
**Flower Type:** Cluster  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 85-100%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** One of few years flowers were not frozen and it looks very good plus has a nice fragrance. Great pink color.  

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/28/2008  
**Aesthetics:** Excellent  
**Persistance:** 1-2 weeks  
**Fall Color:** Bronze/red
### Scientific Name: Viburnum burkwoodii

<table>
<thead>
<tr>
<th>Variety:</th>
<th>Tnum:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>06071</td>
</tr>
</tbody>
</table>

### Cultivar: Dueone

<table>
<thead>
<tr>
<th>Family:</th>
<th>Caprifoliaceae</th>
</tr>
</thead>
</table>

### Common Name: American Spice Viburnum

<table>
<thead>
<tr>
<th>Source:</th>
<th>Quantity observed:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carlton Plants</td>
<td>1</td>
</tr>
</tbody>
</table>

### Observation Date of Plant: 9/29/2011

### Plant Habit: Round

### Plant Height: 3-4 ft.

### Plant Width: 3-4 ft.

### Current Seasons Growth: 6-12 in.

### Foliage Color: Medium green

### Bark Characteristics: Unimportant

### Plant Summer Texture: Medium

### Aesthetic Plant Quality: Good

### Landscape Uses: Specimen, shrub border

### Overall Plant Health: good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended: Yes

### Comments on plant:

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Date of observation:

### Aesthetics:

### Persistance:

### Fall Color:
### Viburnum carlcephalum

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Viburnum carlcephalum</th>
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<th>Tsum:</th>
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<td>Cultivar:</td>
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<td>Family:</td>
<td>Caprifoliaceae</td>
<td></td>
</tr>
<tr>
<td>Common Name:</td>
<td>Fragrant Snowball Viburnum</td>
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<td></td>
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<tr>
<td>Source:</td>
<td>Oregon Garden Products</td>
<td>Quantity observed:</td>
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<td>Observation Date of Plant:</td>
<td>9/29/2011</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Habit:</td>
<td>Broad oval, irregular</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Height:</td>
<td>4-5 ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Width:</td>
<td>6-8 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>12-18 in.</td>
<td></td>
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<tr>
<td>Foliage Color:</td>
<td>Dark green</td>
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</tr>
<tr>
<td>Bark Characteristics:</td>
<td>Unimportant</td>
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<tr>
<td>Plant Summer Texture:</td>
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<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair</td>
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<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
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<tr>
<td>Overall Plant Health:</td>
<td>Fair</td>
<td></td>
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<tr>
<td>Insect Pests:</td>
<td></td>
<td></td>
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<tr>
<td>Pest Severity:</td>
<td></td>
<td></td>
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<tr>
<td>Plant Disease:</td>
<td></td>
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<tr>
<td>Disease Severity:</td>
<td></td>
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<tr>
<td>Cultural Problems:</td>
<td></td>
<td></td>
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<tr>
<td>Nuisances:</td>
<td></td>
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</tr>
<tr>
<td>Recommended:</td>
<td>Marginal</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Comments on plant:</td>
<td>About half of canopy died back in winter of 2004/05 and 25% in 2005/06 but surviving part has good vigor. In 2006/2007 10-20% of canopy - one stem was wilting/dying from apparent canker. No dieback in 2011.</td>
<td></td>
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<tr>
<td>Observation Date of Flowers:</td>
<td>5/2/2006</td>
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</tr>
<tr>
<td>Flower Color:</td>
<td>White, pink buds</td>
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<tr>
<td>Flower Type:</td>
<td>Cluster</td>
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<tr>
<td>Flower Effect:</td>
<td>Fair</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
<td>20-40%</td>
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<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td>Would probably have more flowers if plant was in a site that was more moist.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Color or Fruit:</td>
<td></td>
<td>Date of observation:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aesthetics:</td>
<td></td>
<td>Persistence:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Scientific Name: Viburnum dentatum
Cultivar: -0-  Family: Caprifoliaceae
Common Name: Downy Viburnum
Source: Synnestvedt Nursery  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 9/30/2011
Plant Habit: Round
Plant Height: 8-10 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 2-5 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Marginal
Recommended: Marginal
Comments on plant: Canopy looks a little thin.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistence:
Fall Color:
### Scientific Name: Viburnum dentatum
### Variety: Moonglo
### Family: Caprifoliaceae
### Tsum: 02019
### Common Name: Moonglo Arrowwood Viburnum
### Source: Sjulin Nurseries
### Quantity observed: 2

<table>
<thead>
<tr>
<th>Observation Date of Plant: 9/30/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit: Upright oval to round</td>
</tr>
<tr>
<td>Plant Height: 3-4 ft.</td>
</tr>
<tr>
<td>Plant Width: 3-4 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth: 4-8 in.</td>
</tr>
<tr>
<td>Foliage Color: Medium green</td>
</tr>
<tr>
<td>Bark Characteristics: Unimportant</td>
</tr>
<tr>
<td>Plant Summer Texture: Medium</td>
</tr>
<tr>
<td>Aesthetic Plant Quality: Fair to good</td>
</tr>
<tr>
<td>Landscape Uses: Specimen, shrub border</td>
</tr>
</tbody>
</table>

### Overall Plant Health: Fair to good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended: Yes

### Comments on plant: 5/22/06 - Removed 75-80% of canopy due to winter dieback when temperatures were -16F. Looked fine Spring of 2007 despite similar temperatures and no additional damage in 2008 - 2010.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit: Date of observation: Persistance:

### Aesthetics:
Scientific Name: Viburnum dentatum
Variety: 
Cultivar: Morton
Family: Caprifoliaceae
Tnum: 98048
Common Name: Northern Burgundy Viburnum
Source: J. Frank Schmidt and Son Co
Quantity observed: 1

Observation Date of Plant: 9/29/2011
Plant Habit: Round
Plant Height: 3 - 4.5 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Would probably have better vigor if not at edge of arboretum which has less uniform irrigation.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Viburnum dentatum
Cultivar: Ralph Senior
Family: Caprifoliaceae
Common Name: Autumn Jazz Arrowwood Viburnum
Source: Carlton Plants

Quantity observed: 2

PI #: 07079

Tsnum: 07079

Observation Date of Plant: 9/30/2011
Plant Habit: Upright oval
Plant Height: 3-5 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Planted in 2008. May needs more irrigation to gain vigor.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Yellow
Date of observation: 10/10/2009
Persistance: 1-2 weeks

Fall Color:
Aesthetics:
Persistance:
<table>
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<tr>
<th>Scientific Name:</th>
<th>Viburnum dilatatum</th>
<th>Variety:</th>
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</thead>
<tbody>
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<td>Cultivar:</td>
<td>Oneida</td>
<td>Family:</td>
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<tr>
<td>Common Name:</td>
<td>Oneida Viburnum</td>
<td>Tnum:</td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed:</td>
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<td>Observation Date of Plant:</td>
<td>9/29/2011</td>
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<tr>
<td>Plant Habit:</td>
<td>Upright oval</td>
<td>_</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>4-7 ft.</td>
<td>_</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>4-8 ft.</td>
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<tr>
<td>Current Seasons Growth:</td>
<td>8-14 in.</td>
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<tr>
<td>Foliage Color:</td>
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<tr>
<td>Bark Characteristics:</td>
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<tr>
<td>Plant Summer Texture:</td>
<td>Medium</td>
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<tr>
<td>Aesthetic Plant Quality:</td>
<td>Fair</td>
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<tr>
<td>Landscape Uses:</td>
<td>Specimen, shrub border</td>
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</tr>
<tr>
<td>Overall Plant Health:</td>
<td>Fair</td>
<td>_</td>
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<tr>
<td>Insect Pests:</td>
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<td>Pest Severity:</td>
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<tr>
<td>Plant Disease:</td>
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<td>Disease Severity:</td>
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<tr>
<td>Cultural Problems:</td>
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<td>Nuisances:</td>
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<tr>
<td>Recommended:</td>
<td>Yes</td>
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<tr>
<td>Comments on plant:</td>
<td>Would probably look better if not at edge of arboretum which has less uniform irrigation.</td>
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<tr>
<td>Observation Date of Flowers:</td>
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<tr>
<td>Flower Color:</td>
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<td>Flower Effect:</td>
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<tr>
<td>% of Flower Coverage:</td>
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<td>Bloom Stage:</td>
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<tr>
<td>Fruit Present:</td>
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<tr>
<td>Comments on Flowers:</td>
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<tr>
<td>Fall Color or Fruit:</td>
<td></td>
<td>Date of observation:</td>
</tr>
<tr>
<td>Aesthetics:</td>
<td></td>
<td>Persistance:</td>
</tr>
<tr>
<td>Fall Color:</td>
<td></td>
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</table>

Page 1086 of 1130
Scientific Name: Viburnum lantana  
Variety:  
Cultivar: -0-  
Family: Caprifoliaceae  
Tsn: 78130  
Common Name: Wayfaringtree Viburnum  
Source: Unknown  
Quantity observed: 1  
PI #: -0-

Observation Date of Plant: 9/30/2011  
Plant Habit: Broad oval  
Plant Height: 8 - 12 ft.  
Plant Width: 15 - 20 ft.  
Current Seasons Growth: 6 - 12 in.  

Foliage Color: Dark green  
Bark Characteristics: Not very important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: 

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers: 

Fall Color or Fruit: Fall color  
Date of observation: 9/23/2004  
Aesthetics: Good  
Persist: 1-2 weeks  
Fall Color: green/purple
Scientific Name:  Viburnum lantana
Variety:  -0-
Cultivar:  Mohican  Family:  Caprifoliaceae
Common Name:  Mohican Wayfaringtree Viburnum
Source:  USDA/NC-7, Ames, IA  Quantity observed:  1  PI #:  PI316679

Observation Date of Plant:  9/30/2011
Plant Habit:  Round
Plant Height:  10 - 12 ft.
Plant Width:  15-20 ft.
Current Seasons Growth:  6-12 in.

Foliage Color:  Medium green
Bark Characteristics:  Not very important
Plant Summer Texture:  Medium
Aesthetic Plant Quality:  Good
Landscape Uses:  Specimen, shrub border

Overall Plant Health:  Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended:  Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:  

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Scientific Name: Viburnum lantana
Cultivar: Mohican
Family: Caprifoliaceae
Common Name: Mohican Wayfaringtree Viburnum
Source: Synnestvedt Nursery
Quantity observed: 1

Variety: -0-
Tnum: 83259
PI #: -0-

Observation Date of Plant: 9/29/2011
Plant Habit: Round
Plant Height: 6-8 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 10-20 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes

Comments on plant: Rejuvenated in 2008 and is coming back strong.

Observation Date of Flowers: 5/10/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 

Date of observation:
Persistance:
Scientific Name: Viburnum lantana  
Variety: -0-  
Cultivar: Rugosum  
Family: Caprifoliaceae  
Tsnm: 83260  
Common Name: Rugosa Wayfaringtree Viburnum  
Source: Synnestvedt Nursery  
Quantity observed: 2  
PI #: -0-  

Observation Date of Plant: 9/30/2011  
Plant Habit: Upright oval to round  
Plant Height: 9-11 ft.  
Plant Width: 10-14 ft  
Current Seasons Growth: 6-12 in.  

Foliage Color: Medium to dark green  
Bark Characteristics: Not very important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: One of two was rejuvenated in 2009.  

Observation Date of Flowers:  
Flower Color:  
Flower Type:  
Flower Effect:  
% of Flower Coverage:  
Bloom Stage:  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit: Fall color  
Aesthetics: Good  
Fall Color: Dark purple/red  
Date of observation: 11/11/2009  
Persistance: 2-3 weeks
### Viburnum lentago

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<thead>
<tr>
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<th>Viburnum lentago</th>
<th><strong>Variety:</strong></th>
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<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>-0-</td>
<td><strong>Family:</strong></td>
<td>Caprifoliaceae</td>
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<tr>
<td><strong>Common Name:</strong></td>
<td>Nannyberry Viburnum</td>
<td><strong>Tsnm:</strong></td>
<td>77013</td>
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<tr>
<td><strong>Source:</strong></td>
<td>Unknown</td>
<td><strong>Quantity observed:</strong></td>
<td>1</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Broad oval  
**Plant Height:** 8-10 ft.  
**Plant Width:** 15-20 ft.  
**Current Seasons Growth:** 4 - 8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Not very important  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Wildlife, specimen, shrub border  

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:**

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Aesthetics:** Excellent  
**Fall Color:** pale golden yellow, true red

**Date of observation:** 10/5/2011  
**Persistance:** 1-2 weeks  

**Fall Color:**

**Date of observation:**

**Persistance:**

---

{**Page 1091 of 1130**}
Scientific Name: Viburnum molle
Cultivar: 
Family: Caprifoliaceae
Tnum: 99016
Variety: 
Common Name: Kentucky Viburnum
Source: Sjulin Nurseries
Quantity observed: 4
Observation Date of Plant: 9/19/2011
PI #: 

Tsnum: 99016

Plant Habit: Broad oval to round
Plant Height: 4-6 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: Yes
Recommended: Yes
Comments on plant: Would probably have better vigor if not at edge of arboretum which has less uniform irrigation.

Observation Date of Flowers: 
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers: 

Fall Color or Fruit: 
Aesthetics: 
Date of observation: 
Persistance: 
Fall Color:
<table>
<thead>
<tr>
<th>Scientific Name: Viburnum opulus</th>
<th>Variety: -0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: -0-</td>
<td>Family: Caprifoliaceae</td>
</tr>
<tr>
<td>Common Name: European Cranberrybush Viburnum</td>
<td>Tsnm: 78127</td>
</tr>
<tr>
<td>Source: Unknown</td>
<td>Quantity observed: 1</td>
</tr>
<tr>
<td></td>
<td>PI #: -0-</td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant: 9/30/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit: Round to broad oval</td>
</tr>
<tr>
<td>Plant Height: 8-12 ft.</td>
</tr>
<tr>
<td>Plant Width: 17-22 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth: 6-12 in.</td>
</tr>
</tbody>
</table>

| Foliage Color: Medium green         |
| Bark Characteristics: Unimportant   |
| Plant Summer Texture: Medium       |
| Aesthetic Plant Quality: Good      |
| Landscape Uses: Specimen, shrub border |

| Overall Plant Health: Good          |
| Insect Pests: Aphids                |
| Pest Severity: Slight injury       |
| Plant Disease:                      |
| Disease Severity:                  |
| Cultural Problems:                 |
| Nuisances:                         |
| Recommended: Yes                   |
| Comments on plant:                 |

| Observation Date of Flowers:        |
| Flower Color:                       |
| Flower Type:                        |
| Flower Effect:                      |
| % of Flower Coverage:               |
| Bloom Stage:                        |
| Fruit Present:                      |
| Comments on Flowers:                |

<p>| Fall Color or Fruit: Fall color     |
| Aesthetics: Fair                    |
| Fall Color: light yellow, burnt red|
| Date of observation: 10/28/2003      |
| Persistance: 1-2 weeks              |
| Persistance: 1-2 weeks              |</p>
<table>
<thead>
<tr>
<th>Scientific Name</th>
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<tbody>
<tr>
<td>Cultivar:</td>
<td>Aurea</td>
<td>Family:</td>
<td>Caprifoliaceae</td>
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<tr>
<td>Common Name:</td>
<td>Golden European Cranberrybush Viburnum</td>
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<tr>
<td>Source:</td>
<td>Cross Nurseries Inc.</td>
<td>Quantity observed:</td>
<td>3</td>
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<tr>
<td>Tsnum:</td>
<td>82105</td>
<td>PI #:</td>
<td>-0-</td>
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</table>

**Observation Date of Plant:** 9/30/2011

**Plant Habit:** Round to broad oval

**Plant Height:** 10 -12 ft.

**Plant Width:** 14-19 ft.

**Current Seasons Growth:** 6 - 12 in.

**Foliage Color:** Light green, light yellow

**Bark Characteristics:** Not very important

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Fair to good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** One rejuvenated in 2010.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Date of observation:**

**Persistance:**

**Fall Color:**

Page 1094 of 1130
Scientific Name: Viburnum opulus  Variety: 
Cultivar: Compactum  Family: Caprifoliaceae  Tsnm: 81249
Common Name: Compact European Cranberrybush Viburnum
Source: Cross Nurseries Inc.  Quantity observed: 1  PI #: -0-

Observation Date of Plant: 9/30/2011
Plant Habit: Upright oval
Plant Height: 4 - 5 ft.
Plant Width: 4-6 ft
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests: Aphids
Pest Severity: Slight injury but aesthetics affected.
Plant Disease: 
Disease Severity:
Cultural Problems:
Nuisances: 
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers:

Fall Color or Fruit: Date of observation: 
Aesthetics: Persistance: 
Fall Color:
### Scientific Name: Viburnum opulus  
### Variety:  
### Cultivar: Roseum  
### Family: Caprifoliaceae  
### Tnum: 98021  
### Common Name: Snowball Viburnum  
### Source: J. Frank Schmidt and Son Co  
### Quantity observed: 3  

#### Observation Date of Plant: 9/29/2011  
#### Plant Habit: Round to broad oval  
#### Plant Height: 4-7 ft.  
#### Plant Width: 6-9 ft.  
#### Current Seasons Growth: 12-24 in.  

#### Foliage Color: Medium green  
#### Bark Characteristics: Unimportant  
#### Plant Summer Texture: Medium  
#### Aesthetic Plant Quality: Good  
#### Landscape Uses: Specimen, shrub border  

#### Overall Plant Health: Good  
#### Insect Pests: Aphids  
#### Pest Severity: Moderate injury - aesthetics affected  
#### Plant Disease:  
#### Disease Severity:  
#### Cultural Problems:  
#### Nuisances: Yes  
#### Recommended: Yes  
#### Comments on plant: Doing well for being at edge of arboretum.

#### Observation Date of Flowers:  
#### Flower Color:  
#### Flower Type:  
#### Flower Effect:  
#### % of Flower Coverage:  
#### Bloom Stage:  
#### Fruit Present:  
#### Comments on Flowers:  

#### Fall Color or Fruit:  
#### Aesthetics:  
#### Date of observation:  
#### Persistance:  
#### Fall Color:
Scientific Name: Viburnum opulus
Cultivar: Xanthocarpa  Family: Caprifoliaceae
Common Name: European Cranberrybush Viburnum
Source: Denver Botanic Gardens  Quantity observed: 2

Tsun: 81294
Variety: -0-

Observation Date of Plant: 9/30/2011
Flower Color: Dark green
Plant Habit: Upright oval
Plant Height: 7-8 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 4-6 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in 2011. Came back with impressive vigor.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:  Date of observation:
Aesthetics:
Persistence:
Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Viburnum plicatum tomentosum
Cultivar: Kern's Pink
Family: Caprifoliaceae
Tsnum: 08049

Variety: Kern's Pink Doublefile Viburnum

Source: Bailey Nurseries
Quantity observed: 2

Observation Date of Plant: 9/30/2011

Plant Habit: Upright oval to irregular
Plant Height: 3.5-5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 24-36 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: 
Aesthetics:
Fall Color:

Date of observation:
Persistane:
**Scientific Name:** Viburnum plicatum var. tomentosum  
**Variety:**  
**Cultivar:** Popcorn  
**Family:** Caprifoliaceae  
**Tnnum:** 10012  
**Common Name:** Popcorn Doublefile Viburnum  
**Source:** Carlton Plants  
**Quantity observed:** 2  
**PI #:**

**Observation Date of Plant:** 9/29/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 3-4 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 4-8 in.

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** n/a  
**Recommended:** n/a  
**Comments on plant:** Planted in 2011 - too soon to recommend.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**

**Date of observation:**  
**Persistence:**
**Scientific Name:** Viburnum prunifolium  
**Family:** Caprifoliaceae  
**Tsnnum:** 85115  
**Variety:** -0-  
**Common Name:** Blackhaw Viburnum  
**Source:** Zelenka Nursery  
**Quantity observed:** 2  
**PI #:** -0-

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Round to irregular  
**Plant Height:** 9-14 ft.  
**Plant Width:** 15-19 ft.  
**Current Seasons Growth:** 8-12 in.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Wildlife, windbreak, shrub border

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** One of two was rejuvenated in 2011.

**Observation Date of Flowers:** 5/2/2006  
**Flower Color:** White  
**Flower Type:** Cluster  
**Flower Effect:** Good  
**% of Flower Coverage:** 40-60%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color  
**Date of observation:** 10/20/2010  
**Aesthetics:** Good  
**Persistance:** 1-2 weeks  
**Fall Color:** Dark red
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Viburnum rafinesquianum</th>
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</thead>
<tbody>
<tr>
<td>Variety:</td>
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<tr>
<td>Cultivar:</td>
<td>-0-</td>
</tr>
<tr>
<td>Family:</td>
<td>Caprifoliaceae</td>
</tr>
<tr>
<td>Tsum:</td>
<td>85009</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Downy Arrowhead Viburnum</td>
</tr>
<tr>
<td>Source:</td>
<td>Minnesota Landscape Arbore</td>
</tr>
<tr>
<td>Quantity observed:</td>
<td>1</td>
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<tr>
<td>PI #:</td>
<td>-0-</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/30/2011

**Plant Habit:** Broad oval

**Plant Height:** 6 - 8 ft.

**Plant Width:** 8 - 12 ft

**Current Seasons Growth:** 2-4 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair to good

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Growth increments seem small but looks healthy. Main problem is about a third of the plant has flopped open more than normal.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**
**Scientific Name:** Viburnum rufidulum  
**Family:** Caprifoliaceae  
**Cultivar:** 21668  
**Common Name:** Rusty Blackhaw Viburnum  
**Source:** USDA/NC-7, Ames, IA  
**Quantity observed:** 2  
**Variety:**  
**Tnum:** 03029  

**Observation Date of Plant:** 9/29/2011  
**Plant Habit:** Upright oval to round  
**Plant Height:** 2-4 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 12-18 in  

**Foliage Color:** Dark green, glossy  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Planted in 2004. 6/2/06 - Removed 80% of canopy due to -16F winter temperatures in December 2005. No damage since then. Looks good despite location at edge of arboretum.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  

**Date of observation:**  
**Persistance:**
Scientific Name: Viburnum rufidulum  
Variety: 

Cultivar: 25098  
Family: Caprifoliaceae  

Common Name: Rusty Blackhaw Viburnum  

Source: USDA/NC-7, Ames, IA  
Quantity observed: 3  
PI #: 25098

Observation Date of Plant: 9/29/2011

Plant Habit: Upright oval to round

Plant Height: 3-5 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Dark green, glossy

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. Very attractive, glossy foliage - a few stems with an attractive deep maroon color on foliage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Date of observation:

Aesthetics:

Persistance:

Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Viburnum sargentii
Variety: -0-
Cultivar: Flavum
Family: Caprifoliaceae
Tsnum: 81303
Common Name: Sargent Viburnum
Source: Denver Botanic Gardens
Quantity observed: 1
PI #: PN181

Observation Date of Plant: 9/30/2011

Plant Habit: Broad oval, irregular
Plant Height: 6 - 9 ft.
Plant Width: 8 - 12 ft.
Current Seasons Growth: 10-20 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Width may be different in another landscape since this one is crowded by neighbors.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Date of observation:
Aesthetics: Persistance:
Fall Color:
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<th>Scientific Name:</th>
<th>Viburnum trilobum</th>
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<tr>
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<td>-0-</td>
<td>Family:</td>
<td>Caprifoliaceae</td>
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<tr>
<td>Common Name:</td>
<td>American Cranberrybush Viburnum</td>
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<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed:</td>
<td>2</td>
<td>PI #:</td>
<td>-0-</td>
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</tbody>
</table>

| Observation Date of Plant: | 9/30/2011 |
| Plant Habit:              | Broad oval to round |
| Plant Height:             | 8-11 ft. |
| Plant Width:              | 15-20 ft. |
| Current Seasons Growth:   | 12-24 in. |

| Foliage Color:           | Medium green |
| Bark Characteristics:    | Not very important |
| Plant Summer Texture:    | Medium |
| Aesthetic Plant Quality: | Fair |
| Landscape Uses:          | Specimen, shrub border |

| Overall Plant Health:    | Fair to good |
| Insect Pests:            |             |
| Pest Severity:          |             |
| Plant Disease:          |             |
| Disease Severity:       |             |
| Cultural Problems:      |             |
| Nuisances:              |             |
| Recommended:            | Yes |
| Comments on plant:      | Width may be different in another landscape since this one is crowded by neighbors. One of two was rejuvenated in 2011. |

| Observation Date of Flowers: |
| Flower Color:                |             |
| Flower Type:                 |             |
| Flower Effect:               |             |
| % of Flower Coverage:        |             |
| Bloom Stage:                 |             |
| Fruit Present:               |             |
| Comments on Flowers:         |             |

| Fall Color or Fruit:        | Fall color |
| Aesthetics:                 | Fair       |
| Fall Color:                 | Pale yellow |
| Date of observation:        | 10/6/2008  |
| Persistance:                | 1-2 weeks  |
Scientific Name: Viburnum trilobum  
Variety:  
Cultivar: Hahs  
Family: Caprifoliaceae  
Tnum: 98047  

Common Name: Hahs American Cranberry Bush  
Source: J. Frank Schmidt and Son Co  
Quantity observed: 2  

Observation Date of Plant: 9/30/2011  
Plant Habit: Upright, irregular  
Plant Height: 5-7 ft.  
Plant Width: 6-8 ft.  
Current Seasons Growth: 8-14 in.  

Foliage Color: Medium green  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Good  
Landscape Uses: Specimen, shrub border, hedge  

Overall Plant Health: Good  
Insect Pests: Aphids  
Pest Severity: Moderate injury  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended: Yes  
Comments on plant: Planted in arboretum in 2004.
**Scientific Name:** Viburnum trilobum  
**Cultivar:** J. N. Select  
**Family:** Caprifoliaceae  
**Common Name:** Redwing American Cranberrybush  
**Source:** Bailey Nurseries  
**Quantity observed:** 2  
**Tnum:** 07035  

**Observation Date of Plant:** 9/30/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 5-7 ft.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 4-8 in.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:** Aphids  
**Pest Severity:** Slight injury  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:** Yes  
**Recommended:** Yes  
**Comments on plant:** Planted in 2009. Probably was in lathouse too long and got too tall so may take a while to establish a normal growth habit.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
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<th>Common Name</th>
<th>PI #</th>
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<tr>
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<td>Wentworth Amer. Cranberrybush Viburnum</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>Sherman Nursery</td>
<td></td>
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<table>
<thead>
<tr>
<th>Observation Date of Plant</th>
<th>9/30/2011</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Plant Habit</th>
<th>Plant Height</th>
<th>Plant Width</th>
<th>Current Seasons Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irregular</td>
<td>4-5 ft.</td>
<td>6-10 ft.</td>
<td>12-18 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foliage Color</th>
<th>Bark Characteristics</th>
<th>Plant Summer Texture</th>
<th>Aesthetic Plant Quality</th>
</tr>
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<tr>
<td>Medium green</td>
<td>Unimportant</td>
<td>Medium</td>
<td>Fair</td>
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<table>
<thead>
<tr>
<th>Landscape Uses</th>
<th>Overall Plant Health</th>
<th>Insect Pests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specimen, shrub border</td>
<td>Good</td>
<td></td>
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<table>
<thead>
<tr>
<th>Pest Severity</th>
<th>Plant Disease</th>
<th>Disease Severity</th>
<th>Cultural Problems</th>
<th>Nuisances</th>
<th>Recommended</th>
<th>Comments on plant</th>
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<tbody>
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<td></td>
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<td></td>
<td></td>
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<td>Yes</td>
<td>Rejuvenated in 2010.</td>
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<th>Observation Date of Flowers</th>
<th>Flower Color</th>
<th>Flower Type</th>
<th>Flower Effect</th>
<th>% of Flower Coverage</th>
<th>Bloom Stage</th>
<th>Fruit Present</th>
<th>Comments on Flowers</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Fall Color or Fruit</th>
<th>Aesthetics</th>
<th>Date of observation</th>
<th>Persistence</th>
</tr>
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<table>
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<th>Fall Color</th>
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</table>
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

Scientific Name: Viburnum x burkwoodii  
Cultivar: Mohawk  
Family: Caprifoliaceae  
Tnum: 03007  
Common Name: Mohawk Burkwood Viburnum  
Source: Carlton Plants  
Quantity observed: 1

Observation Date of Plant: 9/29/2011  
Plant Habit: Upright to irregular  
Plant Height: 5-7 ft.  
Plant Width: 5-7 ft.  
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green, glossy  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair  
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems: May be getting too much shade from nearby plants.  
Nuisances:  
Recommended: Yes  

Observation Date of Flowers: 4/26/2006  
Flower Color: Pink buds, white flowers  
Flower Type: cluster  
Flower Effect: Good  
% of Flower Coverage: 20-40%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:

Fall Color or Fruit:  
Aesthetics:  
Fall Color:
### Scientific Name: Viburnum x pragense
### Family: Caprifoliaceae
### Variety:
### Tsnm: 03159
### Cultivar:
### Common Name: Prague Viburnum
### Source: Monrovia Growers
### Quantity observed: 2
### PI #:

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>9/30/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Upright oval to round</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6-8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>7-10 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>8-14 in.</td>
</tr>
</tbody>
</table>

- **Foliage Color:** Dark green, glossy
- **Bark Characteristics:** Not very important
- **Plant Summer Texture:** Medium
- **Aesthetic Plant Quality:** Good
- **Landscape Uses:** Specimen, shrub border

### Overall Plant Health:
- **Excellent**

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Recommended:
- Yes

**Comments on plant:** 12/12/05 - Foliage still looks attractive and dark green. Probably needs some pruning to achieve best aesthetics when young.

<table>
<thead>
<tr>
<th>Observation Date of Flowers:</th>
<th>5/10/2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower Color:</td>
<td>White flowers, pink buds</td>
</tr>
<tr>
<td>Flower Type:</td>
<td>Cluster</td>
</tr>
<tr>
<td>Flower Effect:</td>
<td>Fair</td>
</tr>
<tr>
<td>% of Flower Coverage:</td>
<td>10-15%</td>
</tr>
<tr>
<td>Bloom Stage:</td>
<td>Flowers open</td>
</tr>
<tr>
<td>Fruit Present:</td>
<td></td>
</tr>
<tr>
<td>Comments on Flowers:</td>
<td>Almost all buds over two feet above the ground are brown and crisp - appears to have frozen during the -15F weather in the winter.</td>
</tr>
</tbody>
</table>

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**
Scientific Name: Viburnum x rhytidophyloides
Variety: -0-
Cultivar: -0-  Family: Caprifoliaceae  Tsnun: 83123
Common Name: Lantanaphyllum Viburnum
Source: US Nat'l Arboretum  Quantity observed: 3  PI #: NA49608

Observation Date of Plant: 11/9/2012
Plant Habit: Upright oval
Plant Height: 8 - 12 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistance:
Scientific Name: Viburnum x rhytidophylloides  
Variety: -0- 
Cultivar: Alleghany  
Family: Caprifoliaceae  
Tnum: 80150 
Common Name: Alleghany Lantanaphyllum Viburnum  
Source: USDA/NC-7, Ames, IA  
Quantity observed: 2  
PI #: PI316675 

Observation Date of Plant: 9/30/2011  
Plant Habit: Broad oval  
Plant Height: 8 - 12 ft.  
Plant Width: 15-20 ft.  
Current Seasons Growth: 6 - 10 in.  

Foliage Color: Dark green  
Bark Characteristics: Not very important  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Excellent  
Landscape Uses: Wildlife, specimen, xeriscape, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances:  
Recommended: Yes  
Comments on plant: Excellent dark green foliage.  

Observation Date of Flowers: 5/10/2006  
Flower Color: White/cream  
Flower Type: Cluster  
Flower Effect: Good  
% of Flower Coverage: 40-60%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Date of observation:  
Persistance:  
Fall Color:
<table>
<thead>
<tr>
<th>Scientific Name: Viburnum x rhytidophylloides</th>
<th>Variety:</th>
<th>Tnum: 96207</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar: Alleghany</td>
<td>Family: Caprifoliaceae</td>
<td></td>
</tr>
<tr>
<td>Common Name: Alleghany Viburnum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source: Denver Botanic Gardens/Pla</td>
<td>Quantity observed: 3</td>
<td>PI #:</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 10/21/2011

**Plant Habit:** Round

**Plant Height:** 6 - 10 ft.

**Plant Width:** 6-10 ft.

**Current Seasons Growth:** 6-10 in.

**Foliage Color:** Dark green

**Bark Characteristics:** Not very important

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Hedge, specimen, xeriscape, shrub border

**Overall Plant Health:** Excellent

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Excellent dark green foliage.

**Observation Date of Flowers:** 5/8/2006

**Flower Color:** White

**Flower Type:** Cluster

**Flower Effect:** Good

**% of Flower Coverage:** 60-80%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistace:**
### Scientific Name: Viburnum x rhytidophylloides
### Variety:

### Cultivar: Dart's Duke
### Family: Caprifoliaceae

### Common Name: Dart's Duke Viburnum
### Tnum: 98057

### Source: Sjulin Nurseries
### Quantity observed: 1

### Observation Date of Plant: 9/29/2011

### Plant Habit: Upright oval
### Plant Height: 6-7 ft.
### Plant Width: 6-8 ft.
### Current Seasons Growth: 6-10 in.

### Foliage Color: Dark green
### Bark Characteristics: Unimportant
### Plant Summer Texture: Coarse
### Aesthetic Plant Quality: Fair
### Landscape Uses: Specimen, shrub border

### Overall Plant Health: Fair
### Insect Pests:
### Pest Severity:
### Plant Disease:
### Disease Severity:
### Cultural Problems:
### Nuisances: Yes

### Recommended: Yes

### Comments on plant: Probably needs some pruning to achieve best aesthetics. A little leggy in spots. At edge of arboretum - may do better with more irrigation.

### Observation Date of Flowers: 5/2/2006

### Flower Color: White
### Flower Type: Cluster
### Flower Effect: Good
### % of Flower Coverage: 50-70%
### Bloom Stage: Flowers open
### Fruit Present:
### Comments on Flowers:

### Fall Color or Fruit:
### Date of observation:
### Aesthetics:
### Persistance:
### Fall Color:
**Scientific Name:** Viburnum x rhytidophyloides  
**Variety:**  
**Cultivar:** Willowwood  
**Family:** Caprifoliaceae  
**Tnum:** 94004  
**Common Name:** Willowwood Viburnum  
**Source:** Sjulin Nurseries  
**Quantity observed:** 1  

**Observation Date of Plant:** 9/29/2011  
**Plant Habit:** Upright oval  
**Plant Height:** 5-7 ft.  
**Plant Width:** 7-10 ft.  
**Current Seasons Growth:** 10-18 in.  

**Foliage Color:** Dark green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Coarse  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Looks very good especially for being on edge of arboretum.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Scientific Name: Vitis x
Cultivar: St. Theresa Seedless  Family: Vitaceae
Common Name: Saint Theresa Seedless Grape
Source: Plant Select
Quantity observed: 5

Variety: St. Theresa Seedless
Tsnum: 11112

Observation Date of Plant: 10/21/2011
Plant Habit: Vine
Plant Height: 2-3 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Fruit, screen if on a trellis

Overall Plant Health: Fair
Insect Pests: 
Pest Severity: 
Plant Disease: 
Disease Severity: 
Cultural Problems: 
Nuisances: 
Recommended: Yes
Comments on plant: Planted in 2010. Still getting established.

Observation Date of Flowers:
Flower Color: 
Flower Type: 
Flower Effect: 
% of Flower Coverage: 
Bloom Stage: 
Fruit Present: 
Comments on Flowers: 

Fall Color or Fruit: 
Aesthetics: 
Fall Color: 
Date of observation: 
Persistance: 

Page 1116 of 1130
**Scientific Name:** Weigela florida  
**Variety:** -0-  
**Cultivar:** Bristol Snowflake  
**Family:** Caprifoliaceae  
**Tsunum:** 84186  
**Common Name:** Bristol Snowflake Old Fashioned Weigela  
**Source:** Zelenka Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/5/2012  
**Plant Habit:** Round to broad oval  
**Plant Height:** 4-6 ft.  
**Plant Width:** 5-8 ft.  
**Current Seasons Growth:** 2-4 ft.  

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Removed 50% dead wood in 2010 due to winter dieback but looks fine in 2012.  

**Observation Date of Flowers:** 6/5/2006  
**Flower Color:** White  
**Flower Type:** Single  
**Flower Effect:** Excellent  
**% of Flower Coverage:** 80-90%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:** Some flowers even in late September  

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
**Scientific Name:** Weigela florida  
**Variety:** -0-  
**Cultivar:** Candida  
**Family:** Caprifoliaceae  
**Tnum:** 88081  
**Common Name:** Candida Old Fashioned Weigela  
**Source:** Mount Arbor Nursery  
**Quantity observed:** 1  
**PI #:** -0-  

**Observation Date of Plant:** 10/5/2012  
**Plant Habit:** Upright oval  
**Plant Height:** 3-4 ft  
**Plant Width:** 2-4 ft  
**Current Seasons Growth:** 10-15 in.  

**Foliage Color:** Light green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Good  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** May get some winter dieback sometimes as it did in 2009/2010. Was rejuvenated a few years ago but still looks leggy.

**Observation Date of Flowers:** 5/26/2006  
**Flower Color:** White  
**Flower Type:** Single  
**Flower Effect:** Fair  
**% of Flower Coverage:** 20-25%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**  
**Date of observation:**  
**Persistance:**
Scientific Name: Weigela florida
Cultivar: Eva Rathke
Family: Caprifoliaceae
Common Name: Eva Rathke Old Fashioned Weigela
Source: Mount Arbor Nursery
Quantity observed: 2

Variety: -0-
Tnum: 88082

Observation Date of Plant: 10/5/2012
Plant Habit: Upright oval becoming ro
Plant Height: 3 - 5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Yes
Recommended: Yes
Comments on plant: Removed about 40% of dead wood in 2010 from one of two plants - possibly due to harsh winter in 2009-2010 but seems fine since then.

Observation Date of Flowers: 6/5/2006
Flower Color: Red
Flower Type: Single
Flower Effect: Fair
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:
Date of observation:
Persistance:
### Scientific Name: Weigela florida  
**Variety:** -0-  
**Family:** Caprifoliaceae  
**Tnum:** 93072  
**Cultivar:** Java Red  
**Common Name:** Java Red Weigela  
**Source:** Carlton Plants  
**Quantity observed:** 4  
**PI #:** -0-  

### Observation Date of Plant:  
9/16/2010

<table>
<thead>
<tr>
<th>Trait</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Habit:</strong></td>
<td>Round to irregular</td>
</tr>
<tr>
<td><strong>Plant Height:</strong></td>
<td>2-4 ft.</td>
</tr>
<tr>
<td><strong>Plant Width:</strong></td>
<td>1.5 - 3 ft.</td>
</tr>
<tr>
<td><strong>Current Seasons Growth:</strong></td>
<td>1 - 2 ft.</td>
</tr>
<tr>
<td><strong>Foliage Color:</strong></td>
<td>Dark purple/red fading to green on inner branch</td>
</tr>
<tr>
<td><strong>Bark Characteristics:</strong></td>
<td>Not very important</td>
</tr>
<tr>
<td><strong>Plant Summer Texture:</strong></td>
<td>Medium</td>
</tr>
<tr>
<td><strong>Aesthetic Plant Quality:</strong></td>
<td>Good</td>
</tr>
<tr>
<td><strong>Landscape Uses:</strong></td>
<td>Specimen, shrub border</td>
</tr>
</tbody>
</table>

**Overall Plant Health:** Good

**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:**

**Observation Date of Flowers:**

<table>
<thead>
<tr>
<th>Trait</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Color or Fruit:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Date of observation:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Aesthetics:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Persistance:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Fall Color:</strong></td>
<td></td>
</tr>
</tbody>
</table>
### Scientific Name: Weigela florida
### Variety: -0-
### Cultivar: Pink Delight
### Family: Caprifoliaceae
### Common Name: Pink Delight Old Fashioned Weigela
### Source: Bailey Nurseries
### Quantity observed: 1
### PI #: -0-

#### Observation Date of Plant: 10/8/2012
#### Plant Habit: Broad oval to round
#### Plant Height: 6-9 ft.
#### Plant Width: 8-12 ft.
#### Current Seasons Growth: 3-4 ft.

#### Foliage Color: Medium green
#### Bark Characteristics: Unimportant
#### Plant Summer Texture: Coarse
#### Aesthetic Plant Quality: Good
#### Landscape Uses: Specimen, shrub border

#### Overall Plant Health: Good
#### Insect Pests:
#### Pest Severity:
#### Plant Disease:
#### Disease Severity:
#### Cultural Problems:
#### Nuisances:
#### Recommended: Yes

#### Comments on Plant:

#### Observation Date of Flowers: 6/2/2006
#### Flower Color: Rose/pink
#### Flower Type: Single
#### Flower Effect: Fair
#### % of Flower Coverage: 40-60%
#### Bloom Stage: Flowers open
#### Fruit Present:
#### Comments on Flowers:

#### Fall Color or Fruit:
#### Aesthetics:
#### Fall Color:

#### Date of observation:
#### Persistance:
<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Weigela florida</th>
<th><strong>Variety:</strong></th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cultivar:</strong></td>
<td>Red Prince</td>
<td><strong>Family:</strong></td>
<td>Caprifoliaceae</td>
</tr>
<tr>
<td><strong>Common Name:</strong></td>
<td>Red Prince Weigela</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Source:</strong></td>
<td>Sherman Nursery</td>
<td><strong>Quantity observed:</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Tnum:</strong></td>
<td>84121</td>
<td><strong>PI #:</strong></td>
<td>-0-</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/14/2010  
**Plant Habit:** Irregular  
**Plant Height:** 18-24 in.  
**Plant Width:** 4-6 ft.  
**Current Seasons Growth:** 1 - 2 ft.

**Foliage Color:** Medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Marginal  
**Comments on plant:** Had a lot of winter dieback and is much smaller than in the past.

**Observation Date of Flowers:** 6/5/2006  
**Flower Color:** red  
**Flower Type:** Single  
**Flower Effect:** Good  
**% of Flower Coverage:** 60-80%  
**Bloom Stage:** Flowers open  
**Fruit Present:**  
**Comments on Flowers:**

**Fall Color or Fruit:**  
**Aesthetics:**  
**Fall Color:**
### 2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center

**Colorado State University, Fort Collins, Colorado**

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Weigela florida</th>
<th>Variety:</th>
<th>-0-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivar:</td>
<td>Vaniceki</td>
<td>Family:</td>
<td>Caprifoliaceae</td>
</tr>
<tr>
<td>Common Name:</td>
<td>Vanicek Old Fashioned Weigela</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source:</td>
<td>Bailey Nurseries</td>
<td>Quantity observed:</td>
<td>3</td>
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<tr>
<td>Tnum:</td>
<td>81157</td>
<td>PI #:</td>
<td>-0-</td>
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</table>

<table>
<thead>
<tr>
<th>Observation Date of Plant:</th>
<th>10/8/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td>Round</td>
</tr>
<tr>
<td>Plant Height:</td>
<td>6 - 8 ft.</td>
</tr>
<tr>
<td>Plant Width:</td>
<td>7-10 ft.</td>
</tr>
<tr>
<td>Current Seasons Growth:</td>
<td>2-3 ft.</td>
</tr>
</tbody>
</table>

| Foliage Color:            | Medium green    |
| Bark Characteristics:     | Unimportant     |
| Plant Summer Texture:     | Medium          |
| Aesthetic Plant Quality:  | Fair to good    |
| Landscape Uses:           | Specimen, shrub border |

| Overall Plant Health:     | Fair to good    |
| Insect Pests:             |                 |
| Pest Severity:            |                 |
| Plant Disease:            |                 |
| Disease Severity:         |                 |
| Cultural Problems:        |                 |
| Nuisances:                |                 |
| Recommended:              | Marginal        |

**Comments on plant:** Has slight chlorosis and may have significant dieback some winters.

| Observation Date of Flowers: | 6/2/2006         |
| Flower Color:                | Dark Red         |
| Flower Type:                 | Single           |
| Flower Effect:               | Good             |
| % of Flower Coverage:        | 80-90%           |
| Bloom Stage:                 | Flowers open     |
| Fruit Present:               |                 |

**Comments on Flowers:** Best Weigela for flowers in this collection.

| Fall Color or Fruit:        | Date of observation: |
| Aesthetics:                 | Persistence:         |
| Fall Color:                 |                         |
Scientific Name: Weigela florida  
Cultivar: Variegata  
Family: Caprifoliaceae  
Tsn: 94005  
Quantity observed: 2  
PI #: 

Observation Date of Plant: 10/5/2012  
Plant Habit: Upright oval to round.  
Plant Height: 3-4.5 ft.  
Plant Width: 4-6 ft.  
Current Seasons Growth: 6-12 in.  

Foliage Color: Variegated, med green and lt. green/white  
Bark Characteristics: Unimportant  
Plant Summer Texture: Medium  
Aesthetic Plant Quality: Fair to good  
Landscape Uses: Specimen, shrub border  

Overall Plant Health: Good  
Insect Pests:  
Pest Severity:  
Plant Disease:  
Disease Severity:  
Cultural Problems:  
Nuisances: Yes  
Recommended:  
Comments on plant: Would look better but often has winter dieback which needs to be pruned out but hasn't occurred recently. One of two plants has less vigor than the other.  

Observation Date of Flowers: 5/26/2006  
Flower Color: Pink fading to white  
Flower Type: Single  
Flower Effect: Fair  
% of Flower Coverage: 15-30%  
Bloom Stage: Flowers open  
Fruit Present:  
Comments on Flowers:  

Fall Color or Fruit:  
Aesthetics:  
Fall Color:  
Date of observation:  
Persistance:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

**Scientific Name:** Weigela hortensis  
**Variety:** -0-  
**Family:** Caprifoliaceae  
**Tsunm:** 85037

**Cultivar:** -0-  
**Common Name:** Weigela  
**Source:** US Nat'l Arboretum  
**Quantity observed:** 1  
**PI #:** NA51309

**Observation Date of Plant:** 10/8/2012

**Plant Habit:** Broad oval to irregular

**Plant Height:** 3-4 ft.

**Plant Width:** 4-7 ft.

**Current Seasons Growth:** 18-30 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Medium

**Aesthetic Plant Quality:** Fair

**Landscape Uses:** Specimen, shrub border

**Overall Plant Health:** fair

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:** No

**Recommended:** No

**Comments on plant:** Has moderate chlorosis.

**Observation Date of Flowers:**

**Flower Color:**

**Flower Type:**

**Flower Effect:**

**% of Flower Coverage:**

**Bloom Stage:**

**Fruit Present:**

**Comments on Flowers:**

**Fall Color or Fruit:**

**Aesthetics:**

**Fall Color:**

**Date of observation:**

**Persistance:**
**Scientific Name:** Weigla florida  
**Variety:**  
**Cultivar:** Pink Poppet  
**Family:** Caprifoliaceae  
**Tnum:** 04204  
**Common Name:** Pink Poppet Weigela  
**Source:** Monrovia Growers  
**Quantity observed:** 2  
**PI #:**  

**Observation Date of Plant:** 10/5/2012  
**Plant Habit:** Round becoming broad  
**Plant Height:** 2-3 ft.  
**Plant Width:** 3-4 ft.  
**Current Seasons Growth:** 6-12 in.  

**Foliage Color:** Light to medium green  
**Bark Characteristics:** Unimportant  
**Plant Summer Texture:** Medium  
**Aesthetic Plant Quality:** Fair to good  
**Landscape Uses:** Specimen, shrub border  

**Overall Plant Health:** Fair  
**Insect Pests:**  
**Pest Severity:**  
**Plant Disease:**  
**Disease Severity:**  
**Cultural Problems:**  
**Nuisances:**  
**Recommended:** Yes  
**Comments on plant:** Would probably look better if not crowded by nearby plants and if not at edge of arboretum where irrigation is less uniform.

**Observation Date of Flowers:**  
**Flower Color:**  
**Flower Type:**  
**Flower Effect:**  
**% of Flower Coverage:**  
**Bloom Stage:**  
**Fruit Present:**  
**Comments on Flowers:**  

**Fall Color or Fruit:**  
**Date of observation:**  
**Aesthetics:**  
**Persistance:**  
**Fall Color:**
### Scientific Name: Xanthoceras sorbifolium  
**Family:** Sapindaceae  
**Tsnum:** 97067

### Cultural Problems:

### Nuisances:

### Recommended:
Yes

### Comments on plant:
Attractive foliage. Looks good all summer. Edible nuts are good but fairly small and labor intensive

### Observation Date of Plant:
10/1/2012

### Plant Habit:
Upright oval

### Plant Height:
12-18 ft.

### Plant Width:
10-15 ft.

### Current Seasons Growth:
8-12 in.

### Foliage Color:
Medium green

### Bark Characteristics:
Unimportant

### Plant Summer Texture:
Medium

### Aesthetic Plant Quality:
Good

### Landscape Uses:
Residential street, specimen, wildlife

### Overall Plant Health:
Good

### Insect Pests:

### Pest Severity:

### Plant Disease:

### Disease Severity:

### Cultural Problems:

### Nuisances:

### Comments on plant:

### Observation Date of Flowers:
4/24/2012

### Flower Color:
White developing a maroon eye

### Flower Type:
Cluster

### Flower Effect:
Excellent

### % of Flower Coverage:
95-100%

### Bloom Stage:
Flowers open

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:
Fall color

### Date of observation:
10/10/2004

### Aesthetics:
Good

### Persistance:
1-2 weeks

### Fall Color:
yellow
## Zelkova serrata

### Varieties:
- **Green Vase**

### Family:
- Ulmaceae

### Source:
- Carlton Plants

### Quantity observed:
- 1

### Observation Date of Plant:
- 10/4/2011

### Plant Habit:
- Vase

### Plant Height:
- 15-20 ft.

### Plant Width:
- 8-12 ft.

### Current Seasons Growth:
- 1-2 ft.

### Foliage Color:
- Medium green

### Bark Characteristics:
- Intermediate importance

### Plant Summer Texture:
- Medium

### Aesthetic Plant Quality:
- Fair to poor

### Landscape Uses:
- Residential street, specimen

### Overall Plant Health:
- Fair to poor

### Insect Pests:

### Pest Severity:

### Plant Disease:
- Canker

### Disease Severity:
- Moderate to severe injury

### Cultural Problems:

### Nuisances:
- No

### Recommended:
- No

### Comments on plant:
- Planted in arboretum in 2003. Cankers have caused large dead area at four areas along trunk.

### Observation Date of Flowers:

### Flower Color:

### Flower Type:

### Flower Effect:

### % of Flower Coverage:

### Bloom Stage:

### Fruit Present:

### Comments on Flowers:

### Fall Color or Fruit:

### Aesthetics:

### Date of observation:

### Persistence:

### Fall Color:
2012 Woody Plant Evaluation at the W. D. Holley Plant Environmental Research Center
Colorado State University, Fort Collins, Colorado

<table>
<thead>
<tr>
<th>Scientific Name:</th>
<th>Zelkova serrata</th>
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<tbody>
<tr>
<td>Variety:</td>
<td></td>
</tr>
<tr>
<td>Cultivar:</td>
<td>Musashino</td>
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<tr>
<td>Family:</td>
<td>Ulmaceae</td>
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<tr>
<td>Tsnum:</td>
<td>99010</td>
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<tr>
<td>Common Name:</td>
<td>Musashino Zelkova</td>
</tr>
<tr>
<td>Source:</td>
<td>J. Frank Schmidt and Son Co</td>
</tr>
<tr>
<td>Quantity observed:</td>
<td>2  PI #:</td>
</tr>
</tbody>
</table>

**Observation Date of Plant:** 9/11/2012
**Plant Habit:** Vase
**Plant Height:** 9-12 ft.
**Plant Width:** 8-12 ft.
**Current Seasons Growth:** 8-18 in.

**Foliage Color:** Medium to dark green
**Bark Characteristics:** Unimportant
**Plant Summer Texture:** Medium
**Aesthetic Plant Quality:** Fair to poor
**Landscape Uses:** Residential street, Specimen

**Overall Plant Health:** Fair to poor
**Insect Pests:** Chewing insects
**Pest Severity:** Slight
**Plant Disease:** Canker
**Disease Severity:** Moderate to severe damage
**Cultural Problems:**
**Nuisances:** No
**Recommended:** No

**Comments on plant:** Planted in 2003. Appears hardy for this area. Survived a harsh winter of -15 last year. One of two had 50% of tree die from canker in 2011. Second tree also developing large canker on trunk.

**Observation Date of Flowers:**
**Flower Color:**
**Flower Type:**
**Flower Effect:**
**% of Flower Coverage:**
**Bloom Stage:**
**Fruit Present:**
**Comments on Flowers:**

**Fall Color or Fruit:** Fall color
**Date of observation:** 10/9/2009
**Aesthetics:** Fair to good
**Persistance:** 1-2 weeks
**Fall Color:** Red
**Scientific Name:** Ziziphus jujube

**Variety:** -0-  
**Tnum:** 78013

**Cultivar:** -0-  
**Family:** Rhamnaceae

**Common Name:** Common Jujube

**Source:** Knox City Plant Material  
**Quantity observed:** 1  
**PI #:** -0-

**Observation Date of Plant:** 9/27/2012

**Plant Habit:** Upright oval

**Plant Height:** 12-18 ft.  
**Plant Width:** 12-18 ft

**Current Seasons Growth:** 10-18 in.

**Foliage Color:** Medium green

**Bark Characteristics:** Unimportant

**Plant Summer Texture:** Fine

**Aesthetic Plant Quality:** Good

**Landscape Uses:** Specimen, large shrub for back of border, small tree

**Overall Plant Health:** Good

**Insect Pests:**

**Pest Severity:**

**Plant Disease:**

**Disease Severity:**

**Cultural Problems:**

**Nuisances:**

**Recommended:** Yes

**Comments on plant:** Foliage is drab “Army green” but very glossy. Has had die back during a very cold winter about 1990 but had no problems during severe cold in winter since then.

**Observation Date of Flowers:** 7/23/2003

**Flower Color:** Yellow

**Flower Type:** Cluster

**Flower Effect:** Poor

**% of Flower Coverage:** 26-50%

**Bloom Stage:** Flowers open

**Fruit Present:**

**Comments on Flowers:** Flowers are too tiny to be showy.

**Fall Color or Fruit:**

**Date of observation:**

**Aesthetics:**

**Persistance:**

**Fall Color:**