National Elm Trial in Washington

• Established in 2005
• Located in Puyallup, Washington
• Planted on a gentle slope with variable soil moisture across the plot
• Visitors are welcome during business hours M-F
• Insects include leaf miners, leaf beetles and leaf hoppers
• Diseases: None
• Outstanding cultivars (based on insect damage only): Valley Forge, Patriot, Accolade, Danada Charm, Commendation, Triumph
• Please visit the site or following photos to see the shape-form of these cultivars
National Elm Trial
Puyallup, Washington
National Elm Trial - Washington
Contacts

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## Washington National Elm Trial Cultivar List

<table>
<thead>
<tr>
<th>WSU#</th>
<th>Paint Code</th>
<th>Cultivar</th>
<th>Parentage</th>
<th>Supplier</th>
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<tr>
<td>1</td>
<td>Double Pink</td>
<td>Emerald Sunshine</td>
<td><em>U. propinqua</em></td>
<td>J. Frank Schmidt &amp; Son Co.</td>
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<tr>
<td>2</td>
<td>Purple</td>
<td>'Emer II' Allee</td>
<td><em>U. parvifolia</em></td>
<td>J. Frank Schmidt &amp; Son Co.</td>
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<tr>
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<td>Pink (one stripe)</td>
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<tr>
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<td>Dark Blue</td>
<td>'Homestead'</td>
<td><em>U. hybrid</em></td>
<td>J. Frank Schmidt &amp; Son Co.</td>
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<tr>
<td>5</td>
<td>Orange</td>
<td>'Morton Glossy' Triumph</td>
<td><em>U. hybrid</em></td>
<td>J. Frank Schmidt &amp; Son Co.</td>
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<tr>
<td>6</td>
<td>Red &amp; Yellow</td>
<td>'Morton Plainsman' Vanguard</td>
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<tr>
<td>7</td>
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<td><em>U. wilsoniana</em></td>
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<td>15</td>
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<td>'Princeton'</td>
<td>Princeton Nurseries</td>
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<td>'New Harmony'</td>
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<td></td>
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<td>18</td>
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### Pullayup, Washington Planting Site Map

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<td>14 Valley Forge</td>
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<td>Lewis &amp; Clark Prairie Expedition</td>
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</table>
‘JFS Bieberich’ Emerald Sunshine (*Ulmus propinquua*)

- **Date:** 9/23/2013
- **Survival:** 100%
- **Diameter at 1.4m (cm):** 12.6
- **Height (m):** 5.4
- **Crown shape:** Vase
- **Crown width (m):** 4.9
- **Disease:** None
- **Insects:** Minimal leaf miner damage
  - Minimal leaf beetle damage
  - Moderate leaf hopper damage

Emer II Allee (*U. parvifolia*)

- **Date:** 9/23/2013
- **Survival:** 40%
- **Diameter at 1.4m (cm):** 13.7
- **Height (m):** 5.0
- **Crown shape:** Round
- **Crown width (m):** 5.9
- **Disease:** None
- **Insects:** Minimal leaf beetle damage
Frontier (*Ulmus carpinifolia X U. parvifolia*)

- Date: 9/23/2013
- Survival: 100%
- Diameter at 1.4m (cm): 10.1
- Height (m): 5.3
- Crown shape: Round
- Crown width (m): 5.2
- Disease: None
- Insects: Minimal leaf miner damage
  - Minimal leaf beetle damage
  - Moderate leaf hopper damage

Homestead (*U. glabra X U. carpinifolia X U. pumila*)

- Date: 9/23/2013
- Survival: 80%
- Diameter at 1.4m (cm): 13.3
- Height (m): 5.9
- Crown shape: Round
- Crown width (m): 4.2
- Disease: None
- Insects: Minimal leaf miner damage
  - Minimal leaf beetle damage
  - Moderate leaf hopper damage
‘Morton Glossy’ Triumph (U. pumila X U. japonica X U. wilsoniana)

Date: 9/23/2013
Survival: 40%
Diameter at 1.4m (cm): 17.0
Height (m): 5.6
Crown shape: Round
Crown width (m): 7.2
Disease: None
Insects: Minimal leaf miner damage
         Minimal leaf beetle damage
         Minimal leaf hopper damage

‘Morton Plainsman’ Vanguard (U. pumila X U. japonica)

Date: 9/23/2013
Survival: 100%
Diameter at 1.4m (cm): 18.6
Height (m): 6.3
Crown shape: Round
Crown width (m): 6.7
Disease: None
Insects: Minimal leaf miner damage
         Minimal leaf beetle damage
         Minimal leaf hopper damage
‘Morton Red Tip’ Danada Charm (*U. japonica* X *U. wilsoniana*)

Date: 9/23/2013  
Survival: 100%  
Diameter at 1.4m (cm): 15.5  
Height (m): 6.7  
Crown shape: Oval  
Crown width (m): 6.0  
Disease: None  
Insects: Minimal leaf miner damage  
Minimal leaf beetle damage  
Minimal leaf hopper damage

‘Morton Stalwart’ Commendation (*U. carpinifolia* X *U. pumila* X *U. wilsoniana*)

Date: 9/23/2013  
Survival: 100%  
Diameter at 1.4m (cm): 17.3  
Height (m): 5.7  
Crown shape: Oval  
Crown width (m): 6.8  
Disease: None  
Insects: Minimal leaf miner damage  
Minimal leaf beetle damage  
Minimal leaf hopper damage
‘Morton’ Acolade (U. japonica X U. wilsoniana)

- Date: 9/23/2013
- Survival: 100%
- Diameter at 1.4m (cm): 13.26
- Height (m): 5.3
- Crown shape: Round
- Crown width (m): 5.6
- Disease: None
- Insects: Minimal leaf miner damage
  - Minimal leaf beetle damage
  - Minimal leaf hopper damage

New Horizon (U. pumila X U. japonica)

- Date: 9/23/2013
- Survival: 20% (With one resprout)
- Diameter at 1.4m (cm): 16.4
- Height (m): 6.4
- Crown shape: Round
- Crown width (m): 3.8
- Disease: None
- Insects: Minimal leaf miner damage
  - Minimal leaf beetle damage
  - Moderate leaf hopper damage
Patriot (\textit{U. glabra} X \textit{U. carpinifolia} X \textit{U. pumila}) X \textit{U. wilsoniana}

Date: 9/23/2013
Survival: 80% (With Resprout)
Diameter at 1.4m (cm): 14.8
Height (m): 6.8
Crown shape: Pyramid
Crown width (m): 5.8
Disease: None
Insects: Minimal leaf miner damage
Minimal leaf beetle damage

Date: 9/23/2013
Survival: 80%
Diameter at 1.4m (cm): 16.5
Height (m): 6.4
Crown shape: Round
Crown width (m): 6.1
Disease: None
Insects: Minimal leaf miner damage
Minimal leaf beetle damage
Moderate leaf hopper damage

Pioneer (\textit{U. glabra} X \textit{U. carpinifolia})
Prospector (*U. wilsoniana*)

- Date: 9/23/2013
- Survival: 60% (With one resprout)
- Diameter at 1.4m (cm): 12.5
- Height (m): 5.1
- Crown shape: Round
- Crown width (m): 5.9
- Disease: None
- Insects: Minimal leaf miner damage
  - Minimal leaf beetle damage
  - Minimal leaf hopper damage

Valley Forge (*U. americana*)

- Date: 9/23/2013
- Survival: 100%
- Diameter at 1.4m (cm): 15.4
- Height (m): 5.9
- Crown shape: Round
- Crown width (m): 7.1
- Disease: None
- Insects: Minimal leaf miner damage
  - Minimal leaf beetle damage
  - Minimal leaf hopper damage
Princeton (*U. americana*)

Date: 9/23/2013  
Survival: 100%  
Diameter at 1.4m (cm): 11.4  
Height (m): 6.8  
Crown shape: Vase  
Crown width (m): 4.4  
Disease: None  
Insects: Minimal leaf miner damage  
          Moderate leaf beetle damage  
          Moderate leaf hopper damage

Jefferson (*U. americana*)

Jefferson was found to be the same species as Princeton

Date: 9/23/2013  
Survival: 100%  
Diameter at 1.4m (cm): 8.9  
Height (m): 5.2  
Crown shape: Vase  
Crown width (m): 3.0  
Disease: None  
Insects: Minimal leaf miner damage  
          Minimal leaf beetle damage  
          Moderate leaf hopper damage
New Harmony (U. americana)

Date: 9/23/2013
Survival: 100%
Diameter at 1.4m (cm): 10.1
Height (m): 6.2
Crown shape: Vase
Crown width (m): 4.5
Disease: None
Insects: Minimal leaf miner damage
          Minimal leaf beetle damage
          Moderate leaf hopper damage

Lewis and Clark Prairie Expedition (U. americana)

Date: 9/23/2013
Survival: 80% (With resprout)
Diameter at 1.4m (cm): 9.5
Height (m): 4.6
Crown shape: Vase
Crown width (m): 5.0
Disease: None
Insects: Moderate leaf beetle damage
          Moderate leaf hopper damage
National Elm Trial initial establishment at Puyallup, Washington