Recommended Trees for North Dakota Communities

Top left: Briarwood Court playground, Wahpeton. Top right: Downtown Valley City. Bottom: Sargent County Courthouse, Forman
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(*included in parentheses following every tree description)
Please keep **DIVERSITY** of species in mind– communities should take steps to choose varieties that do not currently dominate the landscape. Follow this guideline:

- 20% or less of trees from the same Genus
- 10% or less of trees from the same Species

**EXAMPLE:**

*Tilia* (Genus) *americana* (Species): American linden (Common name)

*Tilia* (Genus) *cordata* (Species): Littleleaf linden (Common name)

For example, if your community has 15% American linden and 8% Littleleaf linden (23% total for the Genus), then you may want to stay away from planting lindens.

A Tree Inventory & Plan (TIP)/public tree inventory* is an excellent resource for managing community trees. Go to [https://ndcitytrees.org/NorthDakota/](https://ndcitytrees.org/NorthDakota/), click 'Explore Cities'. Find your city and click on it. Scroll down and click 'Charts'. This will show you a pie chart of all of the tree species in your community. If any tree species on your list are more than 10%, avoid choosing those species when selecting trees for planting.

*contact NDFS Community Forestry staff if your community does not have a TIP/public tree inventory.*

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**SYMBOLS KEY**

- **= Drought tolerant**
- **= Alkaline tolerant**
- **= Native to ND**
- **= Pollinator friendly**
- **= Overhead utility friendly**
- **L** = Large trees (45’ & up). Boulevard width should be 7 feet or larger. Large trees should be planted more than 35 feet away from other trees.
- **M** = Medium trees (30-45’). Boulevard width should be 5 feet or larger. Medium trees should be planted at least 30-40 feet away from other trees.
- **S** = Small trees (15-30’). Boulevard width should be wider than 4 feet. Small trees should be planted at least 25-30 feet away from other trees.
**ALDER**

*Alnus hirsuta ‘Harbin’*

**Prairie Horizon**

Manchurian alder

<table>
<thead>
<tr>
<th>Zone: 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height: 30-40’</td>
</tr>
<tr>
<td>Spread: 20-30’</td>
</tr>
</tbody>
</table>
**Shape:** Upright
**Foliage:** Dark green
**Fall color:** Yellow

NDSU selection for upright growth and attractive foliage. Rapid growing. Decorative purple catkins and clusters of brown cone-like fruit. Drought tolerant. (1,4,6,7,10,12)

**BIRCH**

*Betula papyrifera ‘Varen’ PP15768*

**Prairie Dream paper birch**

<table>
<thead>
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<th>Zone: 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height: 35-40’</td>
</tr>
<tr>
<td>Spread: 20-25’</td>
</tr>
</tbody>
</table>
**Shape:** Upright, oval
**Foliage:** Dark green
**Fall color:** Bright gold

NDSU selection for snow-white peeling bark. Excellent cold hardiness and resistance to bronze birch borer. Prefers a moist, well-drained site. (1,11,12)

*Betula platyphylla ‘Fargo’*

**Dakota Pinnacle birch**

<table>
<thead>
<tr>
<th>Zone: 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height: 35’</td>
</tr>
<tr>
<td>Spread: 10-12’</td>
</tr>
</tbody>
</table>
**Shape:** Upright, columnar
**Foliage:** Dark green
**Fall color:** Golden yellow

NDSU selection for form and bronze birch borer resistance. Tolerant of heat, drought, and alkaline soils. (1,7,11,12)

*Betula platyphylla ‘Jefpark’ PP25,468*

**Parkland Pillar birch**

<table>
<thead>
<tr>
<th>Zone: 3</th>
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</thead>
<tbody>
<tr>
<td>Height: 40’</td>
</tr>
<tr>
<td>Spread: 6-7’</td>
</tr>
</tbody>
</table>
**Shape:** Narrow, upright
**Foliage:** Dark green
**Fall color:** Yellow

Fast growing, suitable for screens or boulevard plantings. Tolerant of drought, heat, and alkaline soils. (7,11)

*Aesculus x arnoldiana ‘Autumn Splendor’*

**Autumn Splendor buckeye**

<table>
<thead>
<tr>
<th>Zone: 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height: 30-35’</td>
</tr>
<tr>
<td>Spread: 25’</td>
</tr>
</tbody>
</table>
**Shape:** Rounded
**Foliage:** Dark green
**Fall color:** Red

Large white blooms in spring, followed by brilliant red fall color. Prefers moist soil and full sun. Tolerates a wide range of soil conditions. (1,6,7,10)

*Aesculus x ‘Bergeson’*

**Prairie Torch buckeye**

<table>
<thead>
<tr>
<th>Zone: 3</th>
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</thead>
<tbody>
<tr>
<td>Height: 30’</td>
</tr>
<tr>
<td>Spread: 30’</td>
</tr>
</tbody>
</table>
**Shape:** Round, upright
**Foliage:** Dark green
**Fall color:** Orange-red

NDSU selection, showy yellow flowers. Fruit are spiny golf ball sized capsules that attract wildlife. Prefers moist, well-drained soils. (11,12)
CATALPA
Catalpa speciosa

Northern catalpa

Zone: 4
Height: 50-60’
Spread: 35-40’
Shape: Upright, oval
Foliage: Green, heart shaped
Fall color: Yellow-green

Fast growing, 2” long, tube-like white flowers appear in 4-8” clusters. Fruit is a long persistent pod. Very tolerant of heat and drought. (4,6,7,10,11)

Prunus maackii ‘Ming’
Ming chokecherry

Zone: 3
Height: 10’
Spread: 5-10’
Shape: Round, upright
Flower: White
Fall color: Yellow

Clusters of white flowers late spring followed by small black fruit. Attracts birds. Exfoliating bark. (10)

COFFEE TREE
Gymnocladus dioicus
‘Espresso-JFS’

Espresso Kentucky coffee tree

Zone: 4
Height: 50-60’
Spread: 35-40’
Shape: Oval to vase
Foliage: Bluish-green
Fall color: Yellow

Seedless cultivar. Drought tolerant. Excellent for tough urban locations. (1,6,7,10,11)

CHOKECHERRY
Prunus maackii

Amur chokecherry

Zone: 2
Height: 20-30’
Spread: 25-30’
Shape: Rounded
Flower: White
Fall color: Yellow

Very hardy, non-suckering. Produces white flowers and black fruit. Striking metallic, golden-brown, exfoliating bark. Good wildlife plant. (1,7)

Phellodendron amurense
‘His Majesty’

His Majesty cork tree

Zone: 3
Height: 40’
Spread: 35’
Shape: Broad vase
Foliage: Medium green
Fall color: Yellow

Fast growing, upright spreading. Generally seedless. (10,11)

CORK TREE
**CRABAPPLE**

*Malus ‘Dolgo’*

**Dolgo crabapple**

Zone: 3  
Height: 30’  
Spread: 25-30’  
Flower: White  
Fruit: Red, edible  
Foliage: Green

One of the hardiest and earliest of the crabapples to bloom. Pink buds open to large, fragrant white flowers. Abundant fruits ripen in late summer are edible and excellent for jelly. (7,11)

*Malus x adstringens ‘Durleo’ PP20,167*

**Gladiator crabapple**

Zone: 2  
Height: 20’  
Spread: 9’  
Flower: Pink  
Fruit: Reddish-purple  
Foliage: Bronze-purple

Upright, columnar and compact. Ideal for space-challenged sites. (3,6,7)

*Malus ‘Jarmin’ PP 14337*

**Marilee crabapple**

Zone: 4  
Height: 25’  
Spread: 10’  
Flower: White  
Foliage: Medium green  
Fall Foliage: Orange

Upright, narrow form and virtually fruitless. Good disease resistance. (6,7,10,11)

*Malus ‘Red Splendor’*

**Red Splendor crabapple**

Zone: 3  
Height: 20-25’  
Spread: 20’  
Flower: Pink  
Fruit: Red  
Foliage: Glossy green

Rounded form. Shiny, cherry-like, red, extremely persistent fruits. Good wildlife plant. (3,6,7)

### Additional crabapple species

<table>
<thead>
<tr>
<th></th>
<th>Zone</th>
<th>Flower</th>
<th>Fruit</th>
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<tbody>
<tr>
<td>Adams (Malus ‘Adams’)</td>
<td>4</td>
<td>Pink</td>
<td>Red</td>
</tr>
<tr>
<td>Adirondack (Malus ‘Adirondack’)</td>
<td>4</td>
<td>White</td>
<td>Bright red</td>
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<td>3</td>
<td>Pink</td>
<td>Red-orange</td>
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<td>Emerald Spire (Malus ‘Jefgreen’ PP23,863)</td>
<td>2</td>
<td>Pink</td>
<td>Red</td>
</tr>
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<td>Pink Spires (Malus ‘Pink Spires’)</td>
<td>2</td>
<td>Light pink</td>
<td>Purple-red</td>
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<tr>
<td>Prairifire (Malus ‘Prairifire’)</td>
<td>4</td>
<td>Red-purple</td>
<td>Maroon, cone shaped</td>
</tr>
<tr>
<td>Red Barron (Malus ‘Red Barron’)</td>
<td>4</td>
<td>Dark red to pink</td>
<td>Dark red</td>
</tr>
<tr>
<td>Show Time (Malus ‘Shotizam’)</td>
<td>3</td>
<td>Fuschia-red</td>
<td>Red</td>
</tr>
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<td>Sugar Tyme (Malus ‘Sutyzam’)</td>
<td>4</td>
<td>Snowy white</td>
<td>Rich red</td>
</tr>
<tr>
<td>Thunderchild (Malus ‘Thunderchild’)</td>
<td>3</td>
<td>Pink</td>
<td>Dark red</td>
</tr>
</tbody>
</table>
ELM *all elms listed have resistance to Dutch elm disease (DED)*

A NOTE ON ELMS: There are many different DED resistant elms available. Please be aware of **MAINTENANCE** needs. All American elm selections require a significant investment in pruning during the first 10-15 years. Elms that have **high** or **very high** maintenance requirements will need the most attention (more species are listed on page 7). Regardless of species chosen, it is recommended to contact NDFS community forestry staff for a pruning workshop once elms are established (2-3 years after planting).

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**Prairie Expedition® elm**

*Ulmus americana ‘Lewis & Clark’*

| Zone: | 3 |
| Height: | 55’ |
| Spread: | 60’ |
| Shape: | Rounded to spreading vase |
| Foliage: | Dark green |
| Fall color: | Yellow |

NDSU selection, fast growth, moderate maintenance during formative years. Tough and extremely cold hardy. High DED resistance. (1,2,6,7,8,10,11,12)

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**Discovery elm**

*Ulmus davidiana var. japonica ‘Discovery’*

| Zone: | 3 |
| Height: | 35-40’ |
| Spread: | 30’ |
| Shape: | Upright, vase |
| Foliage: | Green |
| Fall color: | Yellow |

Slow growth rate, moderate maintenance during formative years. Similar in shape to the American elm but smaller. Adapts well to a variety of soils. Stress and drought tolerant. (2,6,7,8,10,11)

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**Northern Empress elm**

*Ulmus x ‘Morton’*

| Zone: | 4 |
| Height: | 50-60’ |
| Spread: | 25-40’ |
| Shape: | Upright |
| Foliage: | Deep green |
| Fall color: | Golden yellow |

NDSU selection. Very hardy small to medium sized elm. Tolerant of higher pH soils. Good drought tolerance. (6,10,12)

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**Accolade elm**

*Ulmus davidiana var. japonica ‘Burgundy Glow’*

| Zone: | 3 |
| Height: | 28’ |
| Spread: | 24’ |
| Shape: | Rounded open crown |
| Foliage: | Green |
| Fall color: | Burgundy red |

NDSU selection. Very hardy small to medium sized elm. Tolerant of higher pH soils. Good drought tolerance. (6,10,12)

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**American elm**

*Ulmus americana*

| Zone: | 3 |
| Height: | 65’ |
| Spread: | 70’ |
| Shape: | Upright |
| Foliage: | Deep green |
| Fall color: | Yellow |

Fast growth, moderate maintenance during formative years. Excellent disease and pest resistance. (2,6,7,8,10,11)
**Ulmus ‘Cathedral’**

Cathedral elm

Zone: 4
Height: 40-50’
Spread: 40-60’
Shape: Broadly vase-shaped
Foliage: Medium to light green
Fall color: Yellow

Very fast growth, very high maintenance during formative years. Good disease and pest resistance. (2,6,7,8,10,11)

* see photo on page 14

**Additional elm species**

- ‘Princeton’ elm *(Ulmus americana ‘Princeton’)*
- ‘St. Croix’ elm *(Ulmus americana ‘St. Croix’)*
- ‘Valley Forge’ elm *(Ulmus americana ‘Valley Forge’)*
- ‘New Horizon’ elm *(Ulmus ‘New Horizon’)*
- ‘Vanguard’ elm *(Ulmus ‘Morton Plainsman’)*

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<th>Zone</th>
<th>Maintenance</th>
<th>Growth Rate</th>
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<td>Very high</td>
<td>Fast</td>
</tr>
<tr>
<td>4</td>
<td>Very high</td>
<td>Very fast</td>
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<tr>
<td>4</td>
<td>Very high</td>
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<td>4</td>
<td>High</td>
<td>Very fast</td>
</tr>
<tr>
<td>4</td>
<td>High</td>
<td>Fast</td>
</tr>
</tbody>
</table>

**Ulmus ‘Morton Glossy’**

Triumph elm

Zone: 4
Height: 60’
Spread: 35-40’
Shape: Upright
Foliage: Glossy, deep green
Fall color: Yellow

Very fast growth, moderate maintenance during formative years. Good disease and pest resistance. (2,6,7,8,10,11)

**GINKGO**

Ginkgo biloba ‘Autumn Gold’

Autumn Gold ginkgo

Zone: 4
Height: 50’
Spread: 30’
Shape: Upright broad conical
Foliage: Green
Fall color: Yellow

Fruitless selection. Fan-shaped leaves. Tolerant of urban conditions. (6,7,10,11)

**HACKBERRY**

Celtis occidentalis

Hackberry

Zone: 2
Height: 50-75’
Spread: 50’
Shape: Spreading, rounded
Foliage: Bright green
Fall color: Soft yellow

Tall, spreading, native tree. Very adaptable to urban conditions. (1,4,6,7,9,10,11)
**HAWTHORN**

*Crataegus crus-galli var. inermis*

**Thornless Cock-spur hawthorn**

- **Zone:** 4
- **Height:** 15-20’
- **Spread:** 15-20’
- **Shape:** Rounded, spreading
- **Foliage:** Dark green
- **Fall color:** Orange

Abundant white flowers in early summer, followed by small bright red persistent fruit in autumn. Prefers moist conditions, but is drought-tolerant. (1,7,11)

*Crataegus x mordenensis*

**‘Snowbird’**

**Snowbird hawthorn**

- **Zone:** 4
- **Height:** 12-15’
- **Spread:** 20’
- **Shape:** Upright, rounded
- **Foliage:** Dark green
- **Fall color:** Orange

Fragrant double white flowers, minimal fruit production. (1,7,11)

**HONEYLOCUST**

*Gleditsia triacanthos var. inermis* ‘Harve’

**Northern Acclaim honeylocust**

- **Zone:** 3
- **Height:** 35-45’
- **Spread:** 30-35’
- **Shape:** Symmetrical, upright
- **Foliage:** Dark green
- **Fall color:** Yellow

NDSU selection for hardiness. Thornless and seedless, drought resistant. (1,6,7,10,11,12)

*Gleditsia triacanthos* ‘Skycole’

**Skyline honeylocust**

- **Zone:** 4
- **Height:** 45’
- **Spread:** 35’
- **Shape:** Broadly pyramidal
- **Foliage:** Dark green
- **Fall color:** Golden yellow

Thornless and essentially fruitless. (7,11)

*Gleditsia triacanthos* ‘Suncole’

**Sunburst honeylocust**

- **Zone:** 4
- **Height:** 40’
- **Spread:** 35’
- **Shape:** Irregularly rounded
- **Foliage:** Bright yellow tip growth
- **Fall color:** Yellow-brown

Bright golden yellow, fine textured foliage. Thornless and seedless. (7,11)

*see photo on page 2

**IRONWOOD**

*Ostrya virginiana*

**Ironwood/American hophornbeam**

- **Zone:** 3
- **Height:** 30-45’
- **Spread:** 25’
- **Shape:** Oval to rounded
- **Foliage:** Bright green
- **Fall color:** Golden yellow

Slow growing. Hop-like fruits in late summer. Full sun to part shade. Prefers moist, well-drained soils. (1,4,6,7,9,10,11)
**KATSURA**

*Cercidiphyllum japonicum*

**Katsura**

- **Zone**: 4
- **Height**: 40-60’
- **Spread**: 20-30’
- **Shape**: Pyramidal, broad
- **Foliage**: Bluish-green
- **Fall color**: Yellow

Heart-shaped foliage. Little tolerance for drought when young. Relatively tolerant of alkaline soil. A good selection for a park or garden. (7,10,11)

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**LINDEN/BASSWOOD**

**Tilia americana**

**American linden**

- **Zone**: 3
- **Height**: 75-90’
- **Spread**: 40-50’
- **Shape**: Rounded at maturity
- **Foliage**: Large, dark green
- **Fall color**: Yellow

Tall, spreading, adaptable, native linden. Fragrant yellow flowers and large, dense foliage. (1,4,7,10)

**Tilia americana ‘Boulevard’**

**Boulevard linden**

- **Zone**: 3
- **Height**: 60’
- **Spread**: 30’
- **Shape**: Pyramidal
- **Foliage**: Green
- **Fall color**: Yellow

Broadly pyramidal when young and nicely rounded with age. Dense foliage offers excellent shade. (1,7,10)

**Tilia americana ‘Bailyard’**

**Frontyard® linden**

- **Zone**: 3
- **Height**: 60-75’
- **Spread**: 40’
- **Shape**: Rounded
- **Foliage**: Green
- **Fall color**: Yellow

Sturdy, more compact, oval growth habit. Cherry-like bark, large creamy white flower clusters. (1,4,5,6,7,9,10)

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**KATSURA**

*Cercidiphyllum japonicum*

**Katsura**

- **Zone**: 4
- **Height**: 40-60’
- **Spread**: 20-30’
- **Shape**: Pyramidal, broad
- **Foliage**: Bluish-green
- **Fall color**: Yellow

Heart-shaped foliage. Little tolerance for drought when young. Relatively tolerant of alkaline soil. A good selection for a park or garden. (7,10,11)

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**LILAC**

*Syringa reticulata*

**Japanese tree lilac**

- **Zone**: 3
- **Height**: 25’
- **Spread**: 25’
- **Shape**: Spreading
- **Foliage**: Deep green
- **Fall color**: Yellow

Creamy white flowers in large panicles early summer. Glossy red-brown bark. Tolerates a wide variety of moist, well-drained soils. (1,4,5,6,7,9,10)

**Syringa reticulata ‘Ivory Silk’**

**Ivory Silk**

**Japanese tree lilac**

- **Zone**: 3
- **Height**: 25’
- **Spread**: 15’
- **Shape**: Compact, oval
- **Foliage**: Deep green
- **Fall color**: Yellow

Sturdy, more compact, oval growth habit. Cherry-like bark, large creamy white flower clusters. (1,4,5,6,7,9,10)

---

**KATSURA**

*Cercidiphyllum japonicum*

**Katsura**

- **Zone**: 4
- **Height**: 40-60’
- **Spread**: 20-30’
- **Shape**: Pyramidal, broad
- **Foliage**: Bluish-green
- **Fall color**: Yellow

Heart-shaped foliage. Little tolerance for drought when young. Relatively tolerant of alkaline soil. A good selection for a park or garden. (7,10,11)

---

**LINDEN/BASSWOOD**

**Tilia americana**

**American linden**

- **Zone**: 3
- **Height**: 75-90’
- **Spread**: 40-50’
- **Shape**: Rounded at maturity
- **Foliage**: Large, dark green
- **Fall color**: Yellow

Tall, spreading, adaptable, native linden. Fragrant yellow flowers and large, dense foliage. (1,4,7,10)

**Tilia americana ‘Boulevard’**

**Boulevard linden**

- **Zone**: 3
- **Height**: 60’
- **Spread**: 30’
- **Shape**: Pyramidal
- **Foliage**: Dark green
- **Fall color**: Yellow

Fragrant yellow flowers. Ideal for boulevards and other sites where height is needed but width is limited. (1,7,10,11)
**Tilia americana ‘Redmond’**  
**Redmond linden**

- **Zone**: 3
- **Height**: 40-60’
- **Spread**: 25-30’
- **Shape**: Pyramidal, uniform
- **Foliage**: Glossy, light green
- **Fall color**: Bright yellow

Dense foliage, very hardy. Fragrant clusters of pale yellow flowers. (1,7,10,11)

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**Tilia cordata**  
**Littleleaf linden**

- **Zone**: 4
- **Height**: 35-45’
- **Spread**: 30-35’
- **Shape**: Broad, pyramidal
- **Foliage**: Glossy, dark green
- **Fall color**: Yellow

Glossy dark foliage and fragrant pendulous flowers in early summer. Very adaptable, does well in poor soil. (1,4,7,9,10)

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**Tilia x mongolica ‘Harvest Gold’ PP12,232**  
**Harvest Gold linden**

- **Zone**: 2
- **Height**: 30-40’
- **Spread**: 25-30’
- **Shape**: Upright, oval
- **Foliage**: Green
- **Fall color**: Golden yellow

A very hardy selection with upright growth. Glossy, heart shaped leaves and fragrant yellow blooms in early summer. Exfoliating bark. (1,4,7,10,11)

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**MAACKIA**

**Maackia amurensis**  
**Amur maackia**

- **Zone**: 4
- **Height**: 20-30’
- **Spread**: 25-35’
- **Shape**: Rounded
- **Foliage**: Dark olive green
- **Fall color**: Yellow

White flowers bloom mid-summer. Amber to copper colored bark. Adaptable to a range of soils. (1,5,6,7,10,11)
A NOTE ON MAPLES: In North Dakota, maples are often subject to iron and manganese chlorosis on high pH (alkaline) soils, which may cause dieback or death. Maples with iron and manganese chlorosis will exhibit yellow leaves with bright green veins. If there are maples in your community that have leaves that exhibit those symptoms, choose alternative trees.

For more information on iron chlorosis in trees, please visit: https://www.ag.ndsu.edu/publications/lawns-gardens-trees/iron-chlorosis-in-trees

**Acer x freemanii ‘AF #1’ PP15,593**

**Firefall maple**

- **Zone:** 4
- **Height:** 40-60’
- **Spread:** 30-40’
- **Shape:** Upright, oval
- **Foliage:** Medium green
- **Fall color:** Orange to scarlet

Seedless selection with good branch angles. Exceptional cold hardiness, fast growing. (7,10,11)

**Acer ginnala ‘Jefum’**

**Royal Crown® amur maple**

- **Zone:** 2
- **Height:** 10-20’
- **Spread:** 10-20’
- **Shape:** Round, upright
- **Foliage:** Green
- **Fall color:** Red to deep purple

Multi-stemmed. Tolerant of alkaline soils. (10)

**Acer miyabei ‘Morton’**

**State Street maple**

- **Zone:** 4
- **Height:** 50’
- **Spread:** 35’
- **Shape:** Upright oval
- **Foliage:** Dark green
- **Fall color:** Yellow

Excellent drought and cold tolerance. (7,10,11)

**Acer tataricum ‘GarAnn’ PP15,023**

**Hot Wings maple**

- **Zone:** 3
- **Height:** 20-25’
- **Spread:** 18-20’
- **Shape:** Upright, spreading
- **Foliage:** Dark green
- **Fall color:** Yellow to red

Bright red samaras. Tolerant of alkalinity and dry conditions. (1,5,7,11)
A NOTE ON OAKS: There are two groups of oak - white oak and red oak. The red oak group largely has poor adaptability to environmental conditions in North Dakota. The white oak group has much greater resistance to oak wilt than the red oak group. Oak wilt is currently NOT found in North Dakota. All of the trees listed below are in the white oak group. For more information on oak wilt, please visit: https://www.ndinvasives.org/oak-wilt

<table>
<thead>
<tr>
<th>Quercus macrocarpa</th>
<th>Bur oak</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone: 3</td>
<td></td>
</tr>
<tr>
<td>Height: 60-80’</td>
<td></td>
</tr>
<tr>
<td>Spread: 40’</td>
<td></td>
</tr>
<tr>
<td>Shape: Rounded, open</td>
<td></td>
</tr>
<tr>
<td>Foliage: Dark green</td>
<td></td>
</tr>
<tr>
<td>Fall color: Yellow-brown to purple</td>
<td></td>
</tr>
</tbody>
</table>

Drought tolerant native oak of the white oak family. Tolerates a wide range of soil types and air pollutants. Attractive corky bark. (1,4,6,7,9,10,11)

<table>
<thead>
<tr>
<th>Quercus macrocarpa ‘JFS-KW14’</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone: 3</td>
</tr>
<tr>
<td>Height: 55’</td>
</tr>
<tr>
<td>Spread: 25-30’</td>
</tr>
<tr>
<td>Shape: Narrow, upright</td>
</tr>
<tr>
<td>Foliage: Glossy, dark green</td>
</tr>
<tr>
<td>Fall color: Orange-yellow</td>
</tr>
</tbody>
</table>

Unusually corky branches. (1,6,11)

<table>
<thead>
<tr>
<th>Quercus macrocarpa ‘JFS-KW3’ PP22815</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone: 3</td>
</tr>
<tr>
<td>Height: 55’</td>
</tr>
<tr>
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<tr>
<td>Foliage: Glossy, dark green</td>
</tr>
<tr>
<td>Fall color: Orange-yellow</td>
</tr>
</tbody>
</table>

Lobed, dark green glossy foliage. Heat and drought tolerant. (1,6,10,11)

<table>
<thead>
<tr>
<th>Quercus x bimundorum ‘Midwest’</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone: 3</td>
</tr>
<tr>
<td>Height: 30-40’</td>
</tr>
<tr>
<td>Spread: 25-30’</td>
</tr>
<tr>
<td>Shape: Pyramidal</td>
</tr>
<tr>
<td>Foliage: Glossy, dark green</td>
</tr>
<tr>
<td>Fall color: Reddish-purple</td>
</tr>
</tbody>
</table>

Outstanding NDSU selection. Prefers a moist, well-drained site. Excellent boulevard, feature, or park tree. (1,6,7,10,11,12)

<table>
<thead>
<tr>
<th>Quercus x warei ‘Long’</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone: 4</td>
</tr>
<tr>
<td>Height: 40’</td>
</tr>
<tr>
<td>Spread: 20-25’</td>
</tr>
<tr>
<td>Shape: Upright oval</td>
</tr>
<tr>
<td>Foliage: Dark green</td>
</tr>
<tr>
<td>Fall color: Yellow-brown</td>
</tr>
</tbody>
</table>

Grows faster than other oak, becoming oval with age. Tolerates wet or dry soil conditions. (6,7,10,11)
SERVICEBERRY

*Amelanchier x grandiflora*  
‘Autumn Brilliance’

**Autumn Brilliance serviceberry**

- **Zone:** 3  
- **Height:** 20-25’  
- **Spread:** 15’  
- **Shape:** Rounded  
- **Foliage:** Small, blue-green  
- **Fall color:** Red-orange

White blossoms in spring, followed by sweet purplish-black fruit. Fall leaves are quite persistent.  
(1,4,5,7,11)

WALNUT

*Juglans nigra*  

**Black walnut**

- **Zone:** 4  
- **Height:** 35-60’  
- **Spread:** 30-50’  
- **Shape:** Oval to rounded  
- **Foliage:** Green  
- **Fall color:** Yellow

Prefers moist, well drained soils. Fruit is a drupe bearing a nut. Good for wildlife.  
(1,4,6,7,9,11)

WILLOW

*Salix pentandra* ‘Silver Lake’

**Prairie Reflection laurel willow**

- **Zone:** 2  
- **Height:** 35-40’  
- **Spread:** 25’  
- **Shape:** Rounded  
- **Foliage:** Shiny, dark green  
- **Fall color:** Golden yellow

NDSU selection, Grows rapidly. Dark green highly glossy foliage.  
(1,7,12)
FAMILY LIST

A Family is a single group of genera that closely or uniformly resemble each other in general appearance and technical character.

<table>
<thead>
<tr>
<th>Betulaceae (Birch)</th>
<th>Oleaceae (Olive)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alder</td>
<td>Japanese tree lilac</td>
</tr>
<tr>
<td>Birch</td>
<td>eg: Prairie Horizon</td>
</tr>
<tr>
<td>eg: Dakota Pinnacle</td>
<td>eg: Ivory Silk</td>
</tr>
<tr>
<td>Ironwood</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bignoniaceae (Catalpa)</th>
<th>Roseaceae (Rose)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern catalpa</td>
<td>Chokecherry</td>
</tr>
<tr>
<td></td>
<td>eg: Amur</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cannabaceae (Hemp)</th>
<th>Rutaceae (Rue/Citrus)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hackberry</td>
<td>Cork tree</td>
</tr>
<tr>
<td></td>
<td>eg: His Majesty</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cercidiphyllaceae</th>
<th>Salicaceae (Willow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Katsura</td>
<td>Willow</td>
</tr>
<tr>
<td></td>
<td>eg: Prairie Reflection</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fabaceae (Bean/Pea/Legume)</th>
<th>Sapindaceae (Soapberry)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honeylocust</td>
<td>Buckeye</td>
</tr>
<tr>
<td>eg: Northern Acclaim</td>
<td>eg: Autumn Splendor</td>
</tr>
<tr>
<td>Kentucky coffeetree</td>
<td></td>
</tr>
<tr>
<td>eg: Espresso</td>
<td></td>
</tr>
<tr>
<td>Maackia</td>
<td>Maple</td>
</tr>
<tr>
<td>eg: Amur</td>
<td>eg: Firefall</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fagaceae (Oak)</th>
<th>Ulmaceae (Elm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oak</td>
<td>Elm</td>
</tr>
<tr>
<td>eg: Bur</td>
<td>eg: Prairie Expedition</td>
</tr>
</tbody>
</table>

| Ginkgoaceae (Ginkgo) | |
|----------------------| |
| Ginkgo               | |
| eg: Autumn Gold      | |

| Juglandaceae (Walnut) | |
|-----------------------| |
| Black walnut          | |

| Malvaceae (Mallows) | |
|---------------------| |
| Linden/Basswood     | |
| eg: American        | |
REFERENCES:

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2. Elm Trees-Dutch Elm Disease Resistant Varieties– U of MN Extension 2019
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