

Coffeetree, Kentucky *Gymnocladus dioica*

One of the last trees to leaf out but retains leaves late into fall. Very fragrant flowers. Rugged bark considered ornamental interest. Filters shade.



Height: 60'
Spread: 40'
Shape: Oval
Moisture: Dry - Moist
Salt Tolerance: Moderate
Fall Color: Yellow
Boulevard: **Large**
Recommended: Espresso (seedless)



Oak, Bur *Quercus macrocarpa*

NATIVE SPECIES - Very drought resistant and tolerant to a wide range of soil types, unlike other Oak species.



Height: 65'
Spread: 60'
Shape: Round
Moisture: Dry - Wet
Salt Tolerance: Moderate
Fall Color: NA
Boulevard: **Large**



Boulevard Width Categories

Small = 4' or larger [Recommended for areas with overhead utilities]
Medium = 5 ½' or larger **Large** = 7' or larger
Extra Large = 9 ½' or larger

Elm *Ulmus* hybrids

Dutch Elm Disease (DED) Resistant cultivars only. Elm leafminer can be an issue on Accolade and New Horizon. Most elm cultivars need early and regular structural pruning to develop a single lower trunk during the first 10 to 15 years.



Height: 40'+
Spread: 35'+
Shape: Vase
Boulevard: **Large**
Recommended: DED Resistant: Accolade, Cathedral, Discovery (slow growth), New Horizon, Northern Empress, Prairie Expedition, Princeton, Triumph, Valley Forge, European elm scale resistant: Accolade, Triumph

Moisture: Dry - Moist
Salt Tolerance: Moderate
Fall Color: Yellow



Maple, Silver *Acer saccharinum*

Iron Chlorosis can be a major problem when planted in high alkaline soils. Use tree wrap to protect the bark during the winter months.



Height: 50'
Spread: 40'
Shape: Oval
Moisture: Dry - Wet
Salt Tolerance: Sensitive
Fall Color: Yellow
Boulevard: **Extra Large**
Recommended: Silver Cloud, Silver Queen



Ginkgo *Ginkgo biloba*

Unique fan-shaped leaves considered ornamental interest. Plant male cultivars only (see recommended). Prefer sheltered location.



Height: 45'
Spread: 35'
Shape: Pyramidal
Moisture: Dry - Moist
Salt Tolerance: Moderate
Fall Color: Yellow
Boulevard: **Large**
Recommended: Autumn Gold (seedless), Princeton Sentry (seedless)



Pine, Ponderosa *Pinus ponderosa*

Retains needles all year long (conifer). Needles approximately 5 inches in length. Produces brown cones. Pine needle scale is a common insect pest.



Height: 60'
Spread: 30'
Shape: Oval
Moisture: Dry - Moist
Salt Tolerance: Tolerant
Boulevard: **Extra Large**



Hackberry, Common *Celtis occidentalis*

NATIVE SPECIES - Tolerates harsh urban conditions. Deep rooted. Rough, corky bark considered ornamental interest. Susceptible to Nipple Gall (aesthetic problem).



Height: 50'
Spread: 45'
Shape: Round
Moisture: Dry - Moist
Salt Tolerance: Sensitive
Fall Color: Yellow
Boulevard: **Large**



Pine, Scotch *Pinus sylvestris*

Retains needles all year long (conifer). Not as drought resistant as Ponderosa. Bark has a peeling, orange appearance in the upper portion. Needles approximately 3 inches in length. Produces grey-brown cones. Pine needle scale is a common insect pest.



Height: 45'
Spread: 30'
Shape: Oval
Moisture: Dry - Moist
Salt Tolerance: Tolerant
Boulevard: **Extra Large**



Linden, American *Tilia Americana*

NATIVE SPECIES - The pyramidal growth is perfect for areas where height is needed, but width is limited. Fragrant flowers in spring. American Linden is the largest variety of Linden.



Height: 60' **Spread:** 40'
Boulevard: **Large**
Recommended: American Sentry, Boulevard, Frontyard, Redmond



Other options with specific site requirements:

- Maackia, Amur** *Maackia amurensis* **Boulevard:** **Small**
- Corktree, Amur** *Phellodendron amurense* **Boulevard:** **Medium**
- Locust, Black** *Robina pseudoacacia* **Boulevard:** **Medium**
- Maple, Norway** *Acer platanoides* **Boulevard:** **Medium**
- Maple, Sugar** *Acer saccharum* **Boulevard:** **Medium**
- Oak, Swamp White** *Quercus bicolor* **Boulevard:** **Large**
- Walnut, Black** *Juglans nigra* **Boulevard:** **Large**
- Catalpa, Northern** *Catalpa speciosa* **Boulevard:** **Extra-Large**
- Maple, Freeman** *Acer x freemanii* **Boulevard:** **Extra-Large**

All tree species listed in this box require prior approval of the Forestry Division.

Some may not be eligible for the Partners In Planting rebate. Tree species other than what appear in this listing may be considered upon approval of the Forestry Division. Please contact our office for more information.

Beginning April 1, 2022 the following species of the genus Acer (maple) planted on the boulevard will not be eligible for reimbursement through the Partners In Planting program (PIP).

- Freeman Maple (Autumnblaze, Sienna Glen, etc.)
- Norway Maple (Deborah, Royal Red, etc.)
- Red Maple (Northwood, Scarlet Jewel, etc.)
- Sugar Maple (Fall Fiesta, Unity, etc.)

Each year maple species trees are one of the Forestry Division's top removals typically due to death or decline. Reasons for death or decline of maple in Bismarck are due to intolerance of our alkaline soils as well as questionable hardiness in some areas of the City. Our desire for newly planted street trees is that they will grow to maturity and provide maximum benefits for years to come. Currently, most maple trees do not provide the optimum desired outcome.



Bismarck Forestry Division

[701] 355-1700

Boulevard Planting Permit Requests Available Online
www.bismarcknd.gov/forestry

Partners in Planting (PIP) Program REIMBURSEMENT RATE

UP TO \$100 / TREE

Send in your receipt once the boulevard tree(s) are planted to receive reimbursement!
 SEE INSERT FOR MORE DETAILS.



Street Tree Guide



Bismarck Forestry Division

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Boulevard Width Categories

Small = 4' or larger
Medium = 5 ½' or larger
Large = 7' or larger
Extra Large = 9 ½' or larger

[Recommended for areas with overhead utilities]



Crabapple, Flowering *Malus* hybrids

Produces beautiful spring color with flowers ranging from white to deep pink.



Height: 30' (varies)
Spread: 25' (varies)
Shape: Varies
Moisture: Dry - Moist
Salt Tolerance: Moderate
Fall Color: NA
Boulevard: **Small**
Recommended: Numerous



Hawthorn *Crataegus* species

Very tolerant of drought to moist sites but will not tolerate areas with standing water. White - double pink flowers in June. Minimal, bright red fruit. Cedar-Apple Rust and Fireblight can be an issue.



Height: 15'
Spread: 15'
Shape: Varies
Moisture: Dry - Moist
Salt Tolerance: Sensitive
Fall Color: NA
Boulevard: **Small**
Recommended: Thornless Cockspur, Crusader, Snowbird, Toba



Ironwood *Ostrya virginiana*

Understory tree for planting in the shade of mature trees. Retains leaves into the winter. Bark exfoliates in long strips and is considered ornamental interest.



Height: 35'
Spread: 25'
Shape: Oval
Moisture: Moist
Salt Tolerance: Sensitive
Fall Color: Orange - Yellow
Boulevard: **Small**



Lilac, Japanese Tree *Syringa reticulata*

Fragrant, creamy white flowers bloom in June. Leaves out in early spring, can suffer from frost damage.



Height: 30'
Spread: 25'
Shape: Pyramid - Round
Moisture: Dry - Moist
Salt Tolerance: Tolerant
Fall Color: NA
Boulevard: **Small**
Recommended: Ivory Pillar, Ivory Silk, Snow Cap, Snowdance (seedless)

Lilac, Pekin *Syringa pekinensis*

Exfoliating, copper colored bark. Fragrant, creamy white flowers bloom in June.



Height: 25'
Spread: 25'
Shape: Round
Boulevard: **Small**
Recommended: Copper Curls, Summer Charm

Moisture: Dry - Moist
Salt Tolerance: Tolerant
Fall Color: NA

Maple, Amur *Acer ginnala* Tree form only.

Use tree wrap to protect the bark during the winter months.



Height: 20'
Spread: 15'
Shape: Spreading
Moisture: Dry - Moist
Salt Tolerance: Sensitive
Fall Color: Red - Orange
Boulevard: **Small**
Recommended: Embers, Flame

Maple, Tatarian *Acer tataricum* Tree form only.

More tolerant to alkaline soils and drought than Amur Maple. Use tree wrap to protect the bark during the winter months.



Height: 25' **Spread:** 20'
Shape: Oval **Moisture:** Moist
Salt Tolerance: Moderate
Fall Color: Orange -Yellow
Boulevard: **Small**
Recommended: Hot Wings, Pattern Perfect, Rugged Charm

Mountain ash, Oakleaf *Sorbus hybrida*

Leaves are similar in shape of Oak (*Quercus*) leaves. White flowers mid-spring, red berries in the fall. Excellent Disease resistance.



Height: 25'
Spread: 20'
Shape: Oval
Moisture: Moist
Salt Tolerance: Sensitive
Fall Color: Orange - Yellow
Boulevard: **Small**

Mountain ash, Showy *Sorbus decora*

Hardest Mountain ash. White flowers in late spring. Large clusters of red fruit in the fall. Moderate resistance to Fireblight.



Height: 25'
Spread: 20'
Shape: Oval
Moisture: Moist
Salt Tolerance: Sensitive
Fall Color: Red - Orange
Boulevard: **Small**

Pear, Flowering *Pyrus ussuriensis*

White flowers bloom in late April. Leaves are semi-glossy. Resistance to Fireblight. Chlorosis can be an issue in alkaline soils.



Height: 30' **Spread:** 20'
Shape: Oval
Moisture: Dry - Moist
Salt Tolerance: Sensitive
Fall Color: Yellow
Boulevard: **Small**
Recommended: Mountain Frost, Prairie Gem

Plum, Black *Prunus nigra*

Produces no fruit. Fragrant white flowers late April. Choice tree for under power-lines.



Height: 15'
Spread: 15'
Shape: Round
Moisture: Dry - Moist
Salt Tolerance: Moderate
Fall Color: Red - Yellow
Boulevard: **Small**
Recommended: Princess Kay

Serviceberry *Amelanchier* species

White flowers in early spring. Black berries in June. Berries make excellent jams and jellies.



Height: 15'
Spread: 15'
Shape: Round
Moisture: Dry - Moist
Salt Tolerance: Moderate
Fall Color: Red - Orange
Boulevard: **Small**
Recommended: Allegheny, Autumn Brilliance

Boulevard Width Categories

Small = 4' or larger [Recommended for areas with overhead utilities]
Medium = 5 ½' or larger **Large** = 7' or larger **Extra Large** = 9 ½' or larger

Alder, Manchurian *Alnus hirsute*

Prefers a moist site; however, Prairie Horizon is the most drought tolerant of Alders. Prairie Horizon is approved for dry, difficult locations. Fruit considered ornamental interest.



Height: 40'
Spread: 30'
Shape: Oval
Moisture: Dry - Moist
Salt Tolerance: Sensitive
Fall Color: Yellow
Boulevard: **Medium**
Recommended: Prairie Horizon

Aspen *Populus tremuloides* species

Tree form only. Fast growing native tree with dark green leaves that turn yellow in the fall. Cultivars producing pistillate flowers and bearing the "cotton" filled seed capsules are prohibited.



Height: varies based on cultivar 35' to 65'
Spread: varies based on cultivar 8' to 30'
Boulevard: **Medium**
Recommended varieties: Quaking, Prairie Gold, Swedish Columnar, Mountain Sentinel (columnar)

Birch *Betula* species Bronze Birch Borer resistant varieties only

Columnar Asian White Birch *Betula platyphylla*

Narrow columnar habit. Requires regular watering but is tolerant of heat, drought and alkaline soils.



Height: 30' to 40' **Spread:** 8' to 15' **Boulevard:** **Medium**
Recommended varieties: Dakota Pinnacle, Parkland Pillar

Prairie Dream Paper Birch *Betula papyrifera* 'Varen'

Tree form only. Hardy, stress tolerant form of paper birch with beautiful exfoliating snow white bark. Dark green foliage turns golden-yellow in fall.



Height: 50' **Spread:** 40' **Boulevard:** **Medium**

Royal Frost Birch *Betula* 'Royal Frost'

Tree form only. Has attractive deep purple foliage all season and white exfoliating bark. It prefers to grow in average to moist conditions and shouldn't be allowed to dry out.



Height: 40' **Spread:** 20' **Boulevard:** **Medium**

Buckeye, Ohio *Aesculus glabra*

One of the first trees to leaf out in the spring. Creamy, yellow flowers. Drought sensitive. Leaf scorch occurs during dry, hot weather causing leaves to drop early. Make sure to give extra water during these times. Seeds are golf ball size and spiny. No major insect pest issues.



Height: 35'
Spread: 30'
Shape: Round
Moisture: Moist
Salt Tolerance: Moderate
Fall Color: Red - Yellow
Boulevard: **Medium**
Recommended: Autumn Splendor, Homestead

Honeylocust, Thornless *Gleditsia triacanthos var inermis*

Low maintenance tree. Do not fertilize after July as this will cause additional growth that will not harden off before winter temperatures arrive, dieback can occur. Filters shade.



Height: 45'
Spread: 35'
Shape: Oval
Moisture: Dry - Moist
Salt Tolerance: Tolerant
Fall Color: Yellow
Boulevard: **Medium**
Recommended: Northern Acclaim, Skyline, Imperial

Larch *Larix* species

Very soft needles that drop every fall just like a deciduous tree. Small cones.



Height: 60'
Spread: 25'
Shape: Pyramidal
Moisture: Moist
Salt Tolerance: Tolerant
Fall Color: Yellow
Boulevard: **Medium**
Recommended: American, Japanese, Siberian

Linden *Tilia* species

The pyramidal growth is perfect for areas tight on space. Prone to Cottony Maple Scale. Over-used in landscape design. Lindens are sensitive to salt and do not tolerate drought. Fragrant flowers in spring. Yellow fall color, Mongolian Linden having the nicest. Mongolian also has exfoliating bark and golden buds, considered ornamental interest.



Hybrid Linden *Tilia x flavescens*

Height: 50' **Boulevard:** **Medium**
Spread: 30'
Recommended: Dropmore, Glenleven

Littleleaf Linden *Tilia cordata*

Height: 35' **Boulevard:** **Medium**
Spread: 30'
Recommended: Corinthian, Greenspire, Norlin, Shamrock

Mongolian Linden *Tilia mongolica*

Height: 30' **Boulevard:** **Medium**
Spread: 25'
Recommended: Harvest Gold

Oak, Hybrid *Quercus* species

Crimson Spire *Quercus robur x alba* 'Crimschmidt'

A hybrid of White Oak & English Oak that has a fastigate habit.



Height: 45' **Spread:** 15'
Fall Color: Rusty Red
Boulevard: **Medium**

Regal Prince *Quercus robur x bicolor* 'Long'

A cross between English Oak & Swamp White Oak.



Height: 50' **Spread:** 25'
Fall Color: Yellow
Boulevard: **Medium**

Prairie Stature *Quercus x bimundorum* 'Midwest'

A hybrid of English Oak & White Oak with a pyramidal form. Proven very cold hardy in NDSU trials.



Height: 40' **Spread:** 30'
Fall Color: Yellow-orange to red
Boulevard: **Medium**

- Benefits of Trees** (Facts retrieved from www.treesaregood.org)
- Property values of landscaped homes are 5% - 20% higher than non-landscaped homes.
 - Trees intercept water, store some of it and reduce stormwater runoff.
 - Trees provide beauty and help people feel serene, peaceful, restful and tranquil.
 - Leaves filter the air we breathe by removing dust and other particles.
 - Deciduous shade trees cool homes in the summer and allow the winter sun to heat homes when they lose their leaves.

Partners In Planting Program

Reimbursement Information



Community minded sponsors who recognize the benefits of trees have partnered together with the City of Bismarck to provide matching funds for boulevard tree planting.

Please let the following sponsors know that you appreciate their participation in their community program:



ELKRIDGE



This program offers 50% reimbursement (not to exceed \$100 per tree or \$700 per property) to property owners and businesses that plant boulevard trees. Funds will be distributed on a **first-come, first-served basis**.

A PERMIT TO PLANT TREES ON PUBLIC STREET RIGHT-OF-WAY is required. There is no charge for this service.

The program is in effect for this calendar year. Submit your paperwork to the Forestry Division **no later than December 31st**. Requests made after the deadline will not be honored.

To participate in the program simply submit the following paperwork:

A **COPY OF YOUR RECEIPT** that shows the species of tree(s) you purchased, the cost for each tree and the name of the company from which they were purchased.

AND

Fill out the **MAIL FORM**. Be sure to provide your name and mailing address as you would like it to appear on your check.

NOTE In order for reimbursement to occur through the Partners In Planting (PIP) Program, **trees need to be planted at the proper planting depth**. Please refer to the back of your planting permit for instructions.



CHECK OUT FORESTRY'S WEBSITE

www.bismarcknd.gov/forestry

NOTE: Ash (*Fraxinus*) trees are not allowed to be planted on the boulevard due the threat of Emerald Ash Borer.

www.emeraldashborer.info

REMEMBER: Keep mowers and trimmers away from the trunk of your tree(s). This damage is irreversible and will cause eventual death. Try placing mulch rings or plastic tree protection around the base of the tree.

Cut along the line and mail in to participate



PIP Reimbursement MAIL FORM

City of Bismarck—Forestry Division
PO Box 5503
601 S. 26th St
Bismarck, ND 58506-5503

PERMIT TO PLANT TREES ON PUBLIC STREET RIGHT-OF-WAY is required.

NAME:

(As you would like it to appear on your check)

MAILING ADDRESS:

(As you would like it to appear on your check)

PROPERTY ADDRESS LISTED ON THE PERMIT:

(If different from your Mailing Address)

RECEIPT INCLUDED *(Required)*

PERMIT OBTAINED *(Required)*

Note: Reimbursement checks will take approximately 4-6 weeks to process.

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