

FAMILY: FAGACEAE (CON'T)

NORTHERN RED OAK (*Quercus rubra*)



Fruit: 5/8 to 1 inch acorn
Growth Rate: Medium **Lifespan:** Long
Shape: Round **Height:** >40'
Width: 45' **Fall Color:** Good
Salt Tolerance: Good **Moisture:** Moist
Exposure: Full sun

This tree is just outside its native range but adapted to Sioux Falls. (1)

PHOTO COURTESY OF: Sharon A. Yiesla

SWAMP WHITE OAK (*Quercus bicolor*)



Fruit: 3/4 to 1-1/2 inch acorn
Growth Rate: Medium **Lifespan:** Long
Shape: Round **Height:** >40'
Width: 45' **Fall Color:** Fair
Salt Tolerance: Poor **Moisture:** Moist to wet
Exposure: Full sun

Outside of its native range this tree is adapted to Sioux Falls. Excellent in both wet and upland soils. (2)

FAMILY: GINKGOACEAE

GINKGO (*Ginkgo biloba*)



Fruit: Seedless on many cultivars
Growth Rate: Medium **Lifespan:** Long
Shape: Pyramidal **Height:** >40'
Width: 30' **Fall Color:** Fair
Salt Tolerance: Fair **Moisture:** Dry to moist
Exposure: Partial shade to full sun

Native to Asia this tree is adapted to Sioux Falls. Tolerates drought. Specify male trees because of noxious fruit smell. Virtually free of disease and pest problems. Recommended cultivars: 'Autumn Gold' and 'Magar.'

KEY

- (1) Recommended for areas with modified soils or newer developments with healthy soil less than 8 inches deep.
- (2) Trees require a minimum parking strip width of 7 feet.

FAMILY: RUTACEAE

AMUR CORKTREE (*Phellodendron amurense*)



Fruit: Seedless on many cultivars
Growth Rate: Medium **Lifespan:** Medium
Shape: Vase **Height:** 20' to 40'
Width: 30' **Fall Color:** Fair
Salt Tolerance: Good **Moisture:** Dry to moist
Exposure: Full sun

Native to Asia this tree is adapted to Sioux Falls. Drought tolerant, rugged beauty with wide spreading habit. Recommended cultivars: 'His Majesty,' 'Macho,' and 'Shademaster.' (1)

FAMILY: TILIACEAE

AMERICAN LINDEN (*Tilia americana*)



Fruit: 1/3 inch nut-like drupe
Growth Rate: Medium **Lifespan:** Short
Shape: Pyramidal **Height:** >40'
Width: 30' **Fall Color:** Fair
Salt Tolerance: Poor **Moisture:** Moist
Exposure: Full sun

Native to Eastern South Dakota this tree has fragrant flowers in the spring. Recommended cultivars: 'Redmond,' 'Bailyard,' 'Dakota,' and 'Glenleven.' (1) and (2)

LITTLE LEAF LINDEN (*Tilia cordata*)



Fruit: 1/3 inch nut-like drupe
Growth Rate: Medium **Lifespan:** Medium
Shape: Pyramidal **Height:** >40'
Width: 25' **Fall Color:** Fair
Salt Tolerance: Poor **Moisture:** Moist
Exposure: Full sun

Native to Europe this tree has fragrant flowers. Cultivars selected for size and shape. Recommended cultivars: 'Baileyi,' 'Greenspire,' 'June Bride,' and 'Norlin.' (1) and (2)

SILVER LINDEN (*Tilia tomentosa*)



Fruit: 1/3 inch nutlet
Growth Rate: Medium **Lifespan:** Medium
Shape: Oval **Height:** >40'
Width: 45' **Fall Color:** Fair
Salt Tolerance: Good **Moisture:** Dry to moist
Exposure: Partial shade to full sun

Native to Eurasia this tree is adapted to Sioux Falls. This tree tolerates heat and drought better than other lindens. Recommended cultivars: 'Green Mountain' and 'Sterling.' (2)

FAMILY: ULMACEAE

COMMON HACKBERRY (*Celtis occidentalis*)



Fruit: 1/3 inch drupe
Growth Rate: Medium **Lifespan:** Long
Shape: Vase **Height:** >40'
Width: 35' **Fall Color:** Fair
Salt Tolerance: Poor **Moisture:** Moist to wet
Exposure: Full sun

Native to South Dakota this tree is adaptable to a broad range of soil conditions. Tolerates drought and hot summer winds. Wood is very strong. Recommended cultivar: 'Prairie Pride.' (1)

ELM HYBRIDS (*Ulmus japonica x wilsoniana*)



Fruit: 1/2 inch disc-shaped samara
Growth Rate: Fast **Lifespan:** Long
Shape: Vase **Height:** >40'
Width: 50' **Fall Color:** Fair
Salt Tolerance: Fair to good **Moisture:** Dry to moist
Exposure: Full sun

Asian cross that is adapted to Sioux Falls. American elm-like with good Dutch elm disease resistance. Recommended cultivars: 'Accolade' ('Morton') and 'Danada Charm' ('Morton Red Tip'). (1)

PHOTO COURTESY OF: Northscaping.com

JAPANESE ELM (*Ulmus davidiana var. japonica*)



Fruit: 5/8 inch disc-shaped samara
Growth Rate: Fast **Lifespan:** Long
Shape: Vase **Height:** 20' to 40'
Width: 40' **Fall Color:** Fair
Salt Tolerance: Fair to good **Moisture:** Moist
Exposure: Full sun

Native to Japan and Asia this tree is adapted to Sioux Falls. The tree is Dutch elm disease resistant with a wide spreading crown. Recommended cultivar: 'Discovery.' (1)

PHOTO COURTESY OF: USDA-NRCS PLANTS Database / Herman, D.E., et al. 1996. North Dakota tree handbook. USDA NRCS ND State Soil Conservation Committee; NDSU Extension and Western Area Power Administration, Bismarck.

WILSON ELM (*Ulmus wilsoniana*)



Fruit: Single samara
Growth Rate: Fast **Lifespan:** Long
Shape: Vase **Height:** 20' to 40'
Width: 25' **Fall Color:** Fair
Salt Tolerance: Fair **Moisture:** Dry to moist
Exposure: Partial shade to full sun

Native to Asia, this tree is adapted to Sioux Falls. Recommended cultivar: 'Prospector.' (1)

PHOTO COURTESY OF: Fargo Forestry Department

Street Tree Guide



Prepared by the Forestry Division
 Sioux Falls Parks & Recreation Dept.
 2401 West 49th Street
 Sioux Falls, SD 57105-6500

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This guide provides a list of approved street trees for planting in the City of Sioux Falls. A street tree is a tree growing in the parking strip or the green area between a curb and a sidewalk. The selection of these trees is based on the ability of a tree to grow in our environment and its ability to co-exist with clearances over streets and sidewalks.

Planting a tree is a long-term commitment of space.

This guide will help provide information for the selection of the right tree for the right site.

Parks and Recreation Street Tree Regulations

- (1) Only approved trees may be planted in the parking strip.
- (2) No tree shall be planted where the clear space between the curb and the sidewalk is less than 5 feet.
- (3) No tree shall be planted closer than 3 feet from the curb.
- (4) Trees must be 1 inch in diameter or larger measured 6 inches above the ground.
- (5) Trees shall not be planted under power lines unless approved by the director.
- (6) Trees shall be planted at least 40 feet apart except where otherwise permitted by the director.
- (7) Trees shall be placed at least 10 feet from a fire hydrant.
- (8) Trees shall be placed at least 10 feet from a driveway.
- (9) Trees shall be placed at least 15 feet from a streetlight.
- (10) Trees shall be placed at least 20 feet back from a stop/yield sign or traffic light.
- (11) Trees on a corner lot shall be planted at least 30 feet back from the corner.

Approved Street Trees

FAMILY: ACERACEAE

BLACK MAPLE (*Acer nigrum*)



Fruit: 1 inch, 2-winged samara
Growth Rate: Slow **Lifespan:** Long
Shape: Round **Height:** >40'
Width: 40' **Fall Color:** Excellent
Salt Tolerance: Poor **Moisture:** Moist
Exposure: Shade to partial shade

Native to SE South Dakota. Similar to sugar maple in appearance and site requirements (avoid planting in open and exposed areas). Considered more tolerant of prairie conditions.

PHOTO COURTESY OF: Ozarks Regional Herbarium, Department of Biology, Missouri State University

- KEY**
- (1) Recommended for areas with modified soils or newer developments with healthy soil less than 8 inches deep.
 - (2) Trees require a minimum parking strip width of 7 feet.

FREEMAN MAPLE (*Acer x freemanii*)



Fruit: Seedless on many cultivars
Growth Rate: Fast **Lifespan:** Short
Shape: Oval **Height:** >40'
Width: 40' **Fall Color:** Excellent
Salt Tolerance: Fair **Moisture:** Dry to wet
Exposure: Partial shade to full sun

This is a hybrid between silver and red maple. Caution: Do not plant more than 10% of this tree in the neighborhood. Recommended cultivars: 'Jeffersred,' 'Sienna,' and 'Celzam.' (1)

PHOTO COURTESY OF: William A. Hoch

MIYABE MAPLE (*Acer miyabei*)



Fruit: 1 inch, 2-winged samara
Growth Rate: Medium **Lifespan:** Medium
Shape: Oval **Height:** 20'-40'
Width: 30' **Fall Color:** Fair
Salt Tolerance: Good **Moisture:** Dry to moist
Exposure: Partial shade

Native to Japan but adapted to Sioux Falls. Tolerant of urban conditions with little known pest problems.

NORWAY MAPLE (*Acer platanoides*)



Fruit: 1.5 to 2 inch, 2-winged samara
Growth Rate: Medium **Lifespan:** Long
Shape: Round **Height:** >40'
Width: 45' **Fall Color:** Fair
Salt Tolerance: Good **Moisture:** Moist
Exposure: Partial Shade

Native to Europe this tree is marginally adapted to Sioux Falls. Avoid planting in open areas to reduce sun-scald injury. Dense shade and shallow roots interfere with turf grass. Recommended cultivars: 'Deborah,' 'Emerald Queen,' and 'Emerald Lustre.'

PHOTO COURTESY OF: William A. Hoch

SUGAR MAPLE (*Acer saccharum*)



Fruit: 1 inch, 2-winged samara
Growth Rate: Slow **Lifespan:** Long
Shape: Oval **Height:** >40'
Width: 35' **Fall Color:** Good
Salt Tolerance: Poor **Moisture:** Moist
Exposure: Shade to partial shade

Native to NE South Dakota and is noted for its brilliant fall color. Avoid planting in open areas and in dry compacted soils. Recommended cultivars: 'Commemoration,' 'Fall Fiesta,' 'Green Mountain,' 'Legacy,' and 'Majesty.'

FAMILY: BETULACEAE

IRONWOOD (*Ostrya virginiana*)



Fruit: 1/3 inch nuts in hop-like fruit
Growth Rate: Slow **Lifespan:** Short
Shape: Round **Height:** 20' to 40'
Width: 20' **Fall Color:** Fair
Salt Tolerance: Poor **Moisture:** Dry to moist
Exposure: Shade to full sun

Native to South Dakota. Attractive tree with few pest problems. (2)

FAMILY: BIGNONIACEAE

NORTHERN CATALPA (*Catalpa speciosa*)



Fruit: Long bean-like pods
Growth Rate: Medium **Lifespan:** Short
Shape: Oval **Height:** >40'
Width: 30' **Fall Color:** Poor
Salt Tolerance: Fair **Moisture:** Dry to wet
Exposure: Partial shade to full sun

This tree has large leaves and showy white flowers. Long bean-like fruit adds character in the winter. (1)

FAMILY: FABACEAE

AMERICAN YELLOWWOOD (*Cladrastis kentukea*)



Fruit: 2 to 3 inch seed pods
Growth Rate: Medium **Lifespan:** Long
Shape: Vase **Height:** 20' to 40'
Width: 35' **Fall Color:** Fair to excellent
Salt Tolerance: Fair **Moisture:** Dry to moist
Exposure: Partial shade to full sun

Attractive foliage, flowers, and winter bark. Very few pest problems. May require training for single trunk. (1)

PHOTO COURTESY OF: Pat Green, Oregon State University

BLACK LOCUST (*Robinia pseudoacacia*)



Fruit: 2 to 4 inch pods
Growth Rate: Fast **Lifespan:** Short
Shape: Oval **Height:** >40'
Width: 30' **Fall Color:** Fair
Salt Tolerance: Good **Moisture:** Dry to moist
Exposure: Full sun

Tolerant of dry conditions, poor soils, and saline environments. Negative characteristics include spines at the leaf base and suckering. Recommended cultivar: 'Chicago Blues.' (1)

PHOTO COURTESY OF: William A. Hoch

KENTUCKY COFFEETREE (*Gymnocladus dioica*)



Fruit: Seedless on many cultivars
Growth Rate: Medium **Lifespan:** Medium
Shape: Oval **Height:** >40'
Width: 35' **Fall Color:** Good
Salt Tolerance: Good **Moisture:** Dry to moist
Exposure: Full sun

Native to SE South Dakota and is quite hardy. It has a sturdy rustic winter appearance. Can tolerate dry and alkaline soils. Recommended cultivars: 'Stately Manor,' 'His Majesty,' and 'Espresso.' (1)

THORNLESS HONEYLOCUST (*Gleditsia triacanthos var. internis*)



Fruit: Seedless on many cultivars
Growth Rate: Fast **Lifespan:** Medium
Shape: Round **Height:** >40'
Width: 35' **Fall Color:** Good
Salt Tolerance: Good **Moisture:** Dry to wet
Exposure: Full sun

Native to South Dakota this tree is adaptable to different soil conditions. Grass grows well under shade of this tree. Recommended cultivars: 'Skyline,' 'Shademaker,' and 'Northern Acclaim.' (1)

FAMILY: FAGACEAE

BUR OAK (*Quercus macrocarpa*)



Fruit: 3/4 to 1-1/2 inch acorn
Growth Rate: Slow **Lifespan:** Long
Shape: Round **Height:** >40'
Width: 45' **Fall Color:** Poor
Salt Tolerance: Fair **Moisture:** Dry to wet
Exposure: Full sun

Native to South Dakota, this tree tolerates heavy clay soils, wet sites, droughty sites, and alkaline conditions. Recommended cultivar: 'Dakota Sunrise.' (1) and (2)

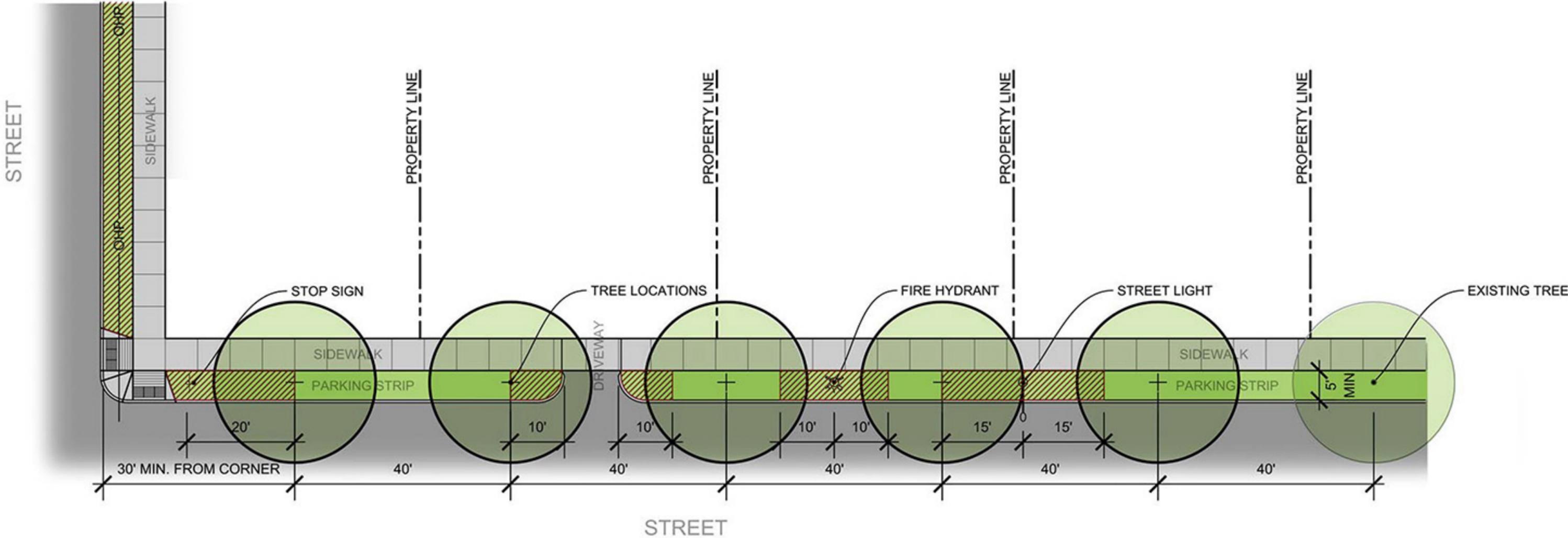
HERITAGE OAK (*Quercus x macdanielli*)



Fruit: 3/4 inch acorn
Growth Rate: Slow **Lifespan:** Long
Shape: Round **Height:** >40'
Width: 45' **Fall Color:** Fair
Salt Tolerance: Fair/Good **Moisture:** Dry to wet
Exposure: Full sun

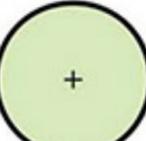
Cross between Bur and English oak. Tolerant of urban conditions with little known pest problems.

Tree Spacing Regulations for Parking Strip

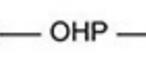


 Planting Areas: Parking Strip (minimum 5 feet wide)

 Non-Planting Areas

 Tree Locations

 Existing Tree

 OHP Overhead Power Lines



LEWIS CARRIES THE FOLLOWING BOULEVARD TREES



Royal Red Maple
 Variegated Maple
 Fall Fiesta Maple
 Autumn Blaze Maple
 Sienna Glen Maple
 Crimson King Maple



Greenspire Linden
 Redmond Linden



Bur Oak

Imperial Honeylocust
 Skyline Honeylocust

Plant Your Tree Properly

