

Street Tree Guide

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May 13, 2025

Trees Are Great!

- Help to cool your neighborhood
- Make a city more attractive
- Promote mental health
- Increase property values
- Encourage city growth
- See "Urban Trees and Human Health: A Scoping Review" in Int. J. Environ. Res. Public Health 2020, 17(12)

City Likes To Approve Trees

- Ordinance § 94.037 STREET TREES PERMITTED.
- "(a) The director shall maintain a list of approved street trees."
- City ordinance and tree list should include "This list only applies to the parking strip or boulevard. People may plant any tree they wish in their yard outside the parking strip."

Current Tree Guide

- Posted at
[https://www.sioxford.gov/files/assets/public/v/1/b
usiness-and-permits/building-services/permit-
documents/trees/street-tree-brochure.pdf](https://www.sioxford.gov/files/assets/public/v/1/business-and-permits/building-services/permit-documents/trees/street-tree-brochure.pdf)

Guide Front

FAMILY: JUGLANDACEAE

BLACK WALNUT (*Juglans nigra*)



Fruit: 1.5"–2" nut
Growth Rate: Fast
Shape: Oval
Width: 40'
Salt Tolerance: Poor
Exposure: Full sun

Lifespan: Long
Height: >40'
Fall Color: Fair
Moisture: Dry to moist

Native to SE South Dakota. Will tolerate dry soils but prefers deep moist soils. Juglone toxic to some plants. Edible nut.

SHAGBARK HICKORY (*Carya ovata*)



Fruit: 1.5" nut
Growth Rate: Slow
Shape: Oval
Width: 30'
Salt Tolerance: Fair
Exposure: Full sun

Lifespan: Long
Height: 20'–40'
Fall Color: Poor
Moisture: Dry to wet

Attractive bark with age. Not drought tolerant. Edible nut.

FAMILY: ROSACEAE

BLACK CHERRY (*Prunus serotina*)



Fruit: 1/3" drupe
Growth Rate: Fast
Shape: Oval
Width: 30'
Salt Tolerance: Good
Exposure: Partial shade

Lifespan: Medium
Height: >40'
Fall Color: Fair
Moisture: Dry to moist

Adapted to South Dakota. Hardy tree with picturesque form. Fruit presents little problem.

FAMILY: RUTACEAE

AMUR CORKTREE (*Phellodendron amurense*)



Fruit: Seedless on many cultivars
Growth Rate: Medium
Shape: Vase
Width: 30'
Salt Tolerance: Good
Exposure: Full sun

Lifespan: Medium
Height: 20' to 40'
Fall Color: Fair
Moisture: Dry to moist

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
Shape: Pyramidal
Width: 30'
Salt Tolerance: Poor
Exposure: Full sun

Lifespan: Short
Height: >40'
Fall Color: Fair
Moisture: Moist

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
Shape: Pyramidal
Width: 25'
Salt Tolerance: Poor
Exposure: Full sun

Lifespan: Medium
Height: >40'
Fall Color: Fair
Moisture: Moist

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
Shape: Oval
Width: 45'
Salt Tolerance: Good
Exposure: Partial shade to full sun

Lifespan: Medium
Height: >40'
Fall Color: Fair
Moisture: Dry to moist

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
Shape: Vase
Width: 35'
Salt Tolerance: Poor
Exposure: Full sun

Lifespan: Long
Height: >40'
Fall Color: Fair
Moisture: Moist to wet

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
Shape: Vase
Width: 50'
Salt Tolerance: Fair to good
Exposure: Full sun

Lifespan: Long
Height: >40'
Fall Color: Fair
Moisture: Dry to moist

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: Northrup King

JAPANESE ELM (*Ulmus davidiana* var. *japonica*)



Fruit: 5/8 inch disc-shaped samara
Growth Rate: Fast
Shape: Vase
Width: 40'
Salt Tolerance: Fair to good
Exposure: Full sun

Lifespan: Long
Height: 20' to 40'
Fall Color: Fair
Moisture: Moist

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/Hennings, D.E., et al. 1996. North Dakota tree handbook. USDA-NRCS and State Soil Conservation Committee; NRCS Extension and Western Area Power Administration, Bismarck.

WILSON ELM (*Ulmus wilsoniana*)



Fruit: Single samara
Growth Rate: Fast
Shape: Vase
Width: 25'
Salt Tolerance: Fair
Exposure: Partial shade to full sun

Lifespan: Long
Height: 20' to 40'
Fall Color: Fair
Moisture: Dry to moist

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

PHOTO COURTESY OF: Fargo Forestry Department

Street Tree Guide

231 North Dakota Avenue
Sioux Falls, SD 57104

siouxfalls.org/forestry
605-367-8222

CITY OF SIOUX FALLS
PARKS &
RECREATION

REVISED SEPTEMBER 2016

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.

Trees in this guide may not be approved for permit for some locations due to tree species diversity concerns.

Guide Back

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

Approved Street Trees

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)

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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 kentuckea*)



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: Paul 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. *intermis*)



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,' 'Shademaster,' 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 macdaniellii*)



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.

NORTHERN PIN OAK (*Quercus ellipsoidalis*)



Fruit: 1/2" acorn
Growth Rate: Slow Lifespan: Long
Shape: Round Height: >40'
Width: 35' Fall Color: Excellent
Salt Tolerance: Good Moisture: Dry to moist
Exposure: Full sun to partial shade

Northern Pin Oak (*Quercus ellipsoidalis*) tolerates neutral pH better than Pin Oak (*Quercus palustris*), which is not a recommended species for this area. Recommended cultivar of Northern Pin Oak: 'Majestic Skies.'

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. Terle

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 'Magat.'

FAMILY: HIPPOCASTANEA

OHIO BUCKEYE (*Aesculus glabra*)



Fruit: 1" nut
Growth Rate: Slow Lifespan: Medium
Shape: Round Height: 20' to 40'
Width: 30' Fall Color: Fair/Excellent
Salt Tolerance: Fair/Good Moisture: Moist to wet
Exposure: Partial shade

Adapted to South Dakota. First to put leaves on and first to lose leaves. Recommended cultivars: 'Autumn Splendor' and 'Homestead.'

Recommended Improvements

- Make it easier to plant trees
- List far more than current 24 trees
- Include fruit trees
- Include dwarf trees
- List trees that are suitable under power lines

Recommended Guide Format

Tree Guide				
Tree Name	Native to Sioux Falls	Suitable In Boulevard	Good Under Power Lines	Description And Issues
Blue Spruce	No	No	No	Popular, conical, too wide for boulevard
Buffaloberry	Yes	Yes	Yes	Small edible sour fruit, needs trimmed in boulevard
Bur Oak	Yes	Yes	No	Big, slow growing
Dwarf apple	No	Yes	Yes	Many tasty varieties
Dwarf cherry	Some varieties	Yes	Yes	Beautiful spring flowers, edible fruit
Elm	Yes	Yes	No	Pick a variety resistant to Dutch Elm disease
And so on for many more trees				

Awww

