

## Trees to Try in Northern Tallgrass Prairie (Deciduous)

Species	Height (feet)	Width (feet)	Shape	Fall Color	Street use?	Under utility lines?	Shade Tolerance	Notable Flower	Notable Fruit	Other Notes
<b>Alder, European</b> [Alnus glutinosa] <sup>1</sup>	25+	20+	Pyramidal	Yellow	Yes	Sometimes	Partial	Yes	Yes	Restrict use to the southern and western part of the Northern Tallgrass Prairie zone. A good alternative for wet sites.
<b>Alder, white</b> [Alnus incana] <sup>1</sup>	25+	20+	Pyramidal	Yellow	Yes	Sometimes	Partial	Yes	Yes	Is very cold hardy and does well in cool, wet sites. Cultivars include 'Laciniata' and 'Pendula'.
<b>Ash, white 'Autumn Blaze'</b> [Fraxinus americana 'Autumn Blaze']	40+	25+	Round	Maroon	Yes	No	Yes	No	Yes	Has an attractive purple fall color. Introduced by the Morden Research Station. Original tree was in Roseau, MN.
<b>Ash, 'Mancana'</b> [Fraxinus mandshurica 'Mancana']	35+	25+	Round	Yellow	No	No	Partial	No	No	A male, seedless selection of Manchurian ash from the Morden Research Station. Has shown resistance to the Emerald Ash Borer, though it is still susceptible to other native borers. It can persist if cared for properly, and also shows ability to recover from infestations.
<b>Cherry, sour</b> [Prunus cerasus]	10+	10+	Round	Yellow	Yes	Yes	No	Yes	Yes	An attractive landscape tree or may be grown to produce fruit for pies and preserves. Cultivars include 'Meteor' and 'North Star'. Winter hardiness may be an issue and planting should be restricted to the southern and western portion of the Northern Tallgrass Prairie subsection. May need winter protection from rabbits.
<b>Crabapple, Japanese flowering</b> [Malus floribunda]	15+	20+	Round	Yellow	Sometimes	Yes	No	Yes	Yes	
<b>Crabapple, Klehm's Improved Bechtel</b> [Malus ioensis 'Klehm's']	20+	25+	Oval	Orange/Yellow	Sometimes	Yes	No	Yes	Yes	
<b>Elm, 'Commendation'</b> [Ulmus x 'Morton Stalwart']	50+	35+	Vase	Yellow	Yes	No	Partial	No	No	Although it does not show resistance to DED, this is a rather cold hardy tree that can withstand storms.
<b>Elm, Danada Charm</b> [Ulmus japonica x wilsoniana]	50+	35+	Vase	Yellow	Yes	No	Partial	No	No	Not known to be resistant to DED. Beautiful form, can withstand the cold, possible issues with strong winds and storm damage. Pruning necessary when young.
<b>Ginkgo, 'Princeton Sentry'</b> [Ginkgo biloba 'Princeton Sentry']	55+	25+	Conical	Yellow	Yes	No	No	No	No	Dieback is known to occur in younger plants, though once established it generally persists. Experiences cold damage but holds up well in heavy winds.
<b>Hawthorn, 'Snowbird'</b> [Crataegus x mordenensis 'Snowbird'] <sup>2</sup>	10+	15+	Round	Insignificant	Yes	Yes	No	Yes	Yes	An attractive hawthorn with double, white flowers. Is a seedling of 'Toba' but is hardier.
<b>Hawthorn, 'Toba'</b> [Crataegus x mordenensis 'Toba'] <sup>2</sup>	10+	10+	Round	Insignificant	Yes	Yes	No	Yes	Yes	An attractive hawthorn with double, white flowers.
<b>Hawthorn, 'Winter King'</b> [Crataegus viridis 'Winter King'] <sup>2</sup>	20+	15+	Oval	Insignificant	Yes	Yes	No	Yes	Yes	One of the most outstanding hawthorns for landscape use. Fruit persists into the winter. Cold hardiness limits the use of this species to the southern and western portion of the Northern Tallgrass Prairie subsection.
<b>Maackia, amur</b> [Maackia amurensis]	20+	20+	Round	Yellow	Yes	Yes	Partial	Yes	Yes	Excellent small flowering (creamy white flowers) tree that is very winter hardy. New foliage is silver and turns dark green as it matures. Very sensitive to deicing salt run-off. Tolerant of dry conditions.
<b>Maple, black</b> [Acer nigrum] <sup>3</sup>	40+	30+	Oval	Yellow/Red	Yes	No	Yes	No	Yes	Black maple from a northern seed source is recommended. This species has greater heat and drought tolerance when compared with sugar maple. These two species are very similar and difficult to distinguish.
<b>Maple, Norwegian Sunset</b> [Acer truncatum x Acer platanoides 'Keithsform'] <sup>3</sup>	30+	30+	Oval	Orange/Yellow	Yes	Yes	No	No	Yes	
<b>Maple, 'Pacific Sunset'</b> [Acer truncatum 'Pacific Sunset'] <sup>3</sup>	30+	30+	Round	Yellow	Yes	Sometimes	No	No	Yes	
<b>Maple, shantung</b> [Acer truncatum] <sup>3</sup>	25+	25+	Round	Yellow/Red/Maroon	Yes	Sometimes	Partial	No	Yes	Shantung maple is an outstanding small tree. It is an excellent tree for small lawns and street use.
<b>Maple, Tatarian</b> [Acer tataricum] <sup>3</sup>	15+	15+	Irregular	Yellow/Red/Maroon	Yes	Yes	Yes	No	Yes	Does not tolerate poorly drained soils.
<b>Maple, three-flowered</b> [Acer triflorum] <sup>3</sup>	25+	20+	Round	Orange/Red	Yes	Yes	Partial	Yes	Yes	Avoid planting in poorly drained or alkaline soils.
<b>Mountain Ash, Korean</b> [Sorbus alnifolia]	25+	20+	Oval	Yellow	Yes	Yes	No	Yes	Yes	An excellent small tree with attractive flowers and persistent fruit. Suffers occasional damage from fire blight and sapsuckers. Restrict use to the southern and western portion of the Northern Tallgrass Prairie subsection.
<b>Pear, Ussurian</b> [Pyrus ussuriensis]	25+	25+	Round	Yellow/Maroon	Yes	Sometimes	No	Yes	Yes	Produces a nonedible fruit when cross pollinated. Fruit may be a problem in high traffic areas. Cultivars include 'McDermid' and 'Prairie Gem'.
<b>Serviceberry, apple</b> [Amelanchier x grandiflora]	15+	8+	Oval/Vase	Red/Orange/Yellow	Sometimes	Yes	Partial	Yes	Yes	Cultivars include 'Autumn Brilliance', 'Cole's Select', 'Princess Diana', and 'Strata'. Serviceberries are typically large shrubs, but may be trained into a single- or multiple-stemmed, small tree if desired.

<sup>1</sup> - Alder flowers are catkins that add winter interest and their fruit is a persistent nutlet.

<sup>2</sup> - Hawthorns may need winter protection from rabbits and are sensitive to deicing salt spray and run-off.

<sup>3</sup> - Maples other than Norway maple are sensitive to deicing salt. Maples perform better in lawn or park settings and in groups, rather than as single specimens in fully exposed boulevards. Planting with the root collar at ground line is important to see and treat girdling root syndrome.