

Size	Species	Height	Spread	Recommended cultivars	Notes
Large	Swamp white oak	70+	50		Hardy, good growth.
	Bur oak	70+	50		Slower growing, very hardy.
	White oak	70+	50		White oak species are less susceptible to oak wilt.
	Northern red oak	70+	50		Susceptible to oak wilt, good fall color.
	Northern pin oak	70+	50		Susceptible to oak wilt, excellent fall color.
	Hackberry	70+	50	Prairie Sentinel	Corky bark, well adapted to our climate. Prairie Sentinel is a narrow, upright form.
	Basswood	70+	50		True to species trees have better branch architecture which promotes longevity.
	Kentucky coffeetree*	50+	30	Espresso	Slow grower with interesting bark and bipinnately compound leaves.
	Sugar maple	60+	50	Unity, Apollo	Slow growing, good fall color, Apollo is upright, narrow form of species.
	Black walnut*	70+	50		Suppresses nearby plants.
	Butternut*	70+	50		Similar to black walnut but very cold hardy.
	American elm	70+	50	Jefferson, Prairie Expedition	Dutch elm disease resistant varieties only.
	Hybrid elm	60	40	Accolade	Hybrid elms tend to be more resistant to Dutch elm disease.
	River birch	60+	40		Slightly messy, bark has great visual interest.
Paper birch	60+	35	Prairie Dream, Renaissance Oasis	Native and most resistant to bronze birch borer. European cultivars are also sold as white birch.	
Medium	Ohio buckeye*	40-50	25	Prairie Torch, Early Glow, Autumn Splendor	Slow grower, certain cultivars produce good fall color.
	Alder	40	20	Prairie Horizon	Different than native alder.
	Ginkgo	Unknown in Duluth	10?		Very slow growing, does not seem to attain the same size as those growing in the Twin Cities.
	Yellowwood	Unknown in Duluth	?		New to Duluth but proving hardy.
	Discovery elm	40	30		Small, hybrid Dutch elm disease resistant variety. Slower growing for elm.
	Crimson spire oak	45	15	Crimson Spire	Columnar variety, holds leaves most of the year.
	Honeylocust*	50	30	Northern Acclaim	Slow grower, branch structure provides winter interest.
	Magnolia	30	20	See below†	Varieties listed are cold hardy to Duluth and have a tree form.
Small	Crab apples	10-20	10-20	Sugar Tyme, Adirondack and Firebird	These cultivars have less leaf drop in late summer. Generally overplanted in Duluth.
	Musclewood	25	20	Fire King, Firespire	Native to central MN, slow grower, interesting "muscley" looking trunk.
	Ironwood	30	20		Holds onto hop-shaped nutlets into the winter.
	Serviceberry	25	20	Autumn Brilliance	Tree-form variety.
	Hawthorn	15	15	Winter King, Crimson Cloud	Winter King is very cold hardy, don't plant Crimson Cloud over the hill.
	Flowering pear	30	20	Mountain Frost, Prairie Gem	Sparse fruit production in warmer climates.
	Eastern wahoo	15	15		Very difficult to source from nurseries.
	Redbud	25	15	Minnesota strain, Northern Herald	Blossoms on the trunk in spring. Minnesota strain is the most cold hardy variety.
	Chokecherry	25	20	Canada Red, Sucker Punch	Has red leaves throughout the summer.
	Japanese tree lilacs	20	15	Snowdance, Ivory Silk	Pollen can cause allergic reactions in some people. Overplanted on City streets.
Conifers	White pine	70+	20-50		Grows very large, produces sappy cones but is the most distinctive tree in Minnesota.
	Red pine	70+	35		Strongly prefers sandy or gravelly soils. Grows very slowly if planted on clay.
	Balsam fir	50-60	20		Classic "Christmas tree" shape. In Duluth can be used as a compact version of white spruce.
	White spruce	70+	30		Hardy but larger specimens tend to blow over in storms.
	White cedar	40-50	20	Dozens of varieties, all forms.	Very hardy but needs protection from deer until it is 12' tall. Otherwise wrap in burlap every winter.
	Swiss stone pine	50	25		Can be used for privacy screening. Nice form and foliage.
	Norway spruce	70+	30	Many varieties and shapes.	More predictable crown shape and density than white spruce.
	White fir	70+	30		Nice form, crushed needles smell of citrus. Many examples at Glensheen.
European larch	70+	40		Similar to native tamarack but with better form.	
Not recommended	Catalpa	Unknown in Duluth	?		Has faired poorly in recent years. Not currently planted.
	Silver maple	70+	70		Grows fast and takes over most sites. Maples are overplanted in Duluth.
	Freeman maples	60+	50	Freeman denotes all red/silver crossed cultivars.	Form of most cultivars does not promote longevity. Many trees develop sunscald. Overplanted in Duluth.
	Boxelder	50	40		Sienna Glen and Autumn Blaze are the most common cultivars
	Cottonwood	70+	40		Poor, sprawling form which creates weak trees that break in storms.
	Aspen	70	20		Grows fast, weak wood.
	Amur maple	20	15		Fast growing but not suited for urban environments.
	Scot's pine	70	20		Slightly invasive, develops sprawling form if not trained.
					Weak wood, doesn't offer anything native species can't do.