

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		Corky bark, well adapted to our climate.
	Basswood	70+	50		True to species trees have better branch architecture which promotes longevity.
	European larch	70+	40		Similar to native tamarack but with better form.
	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	?		Hardy but new to Duluth.
	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.
Small	Musclewood	25	20	Fire King, Firespire	Native to central MN, slow grower, interesting "muscle" 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, Crimson Cloud has red and white flowers.
	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	Blossoms on the trunk in spring. Minnesota strain is the most cold hardy variety.
	Chokecherry	25	20	Canada Red	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.
	Crab apples	10-20	10-20	Sugar Tyme, Adirondack and Firebird	These cultivars have less leaf drop in late summer. Generally overplanted in Duluth.
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.
Not recommended	Catalpa	Unknown in Duluth	?		Has fared 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.