



**LET'S
PLANT
TREES**

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Let's Plant Trees has reviewed data from the University of Minnesota, the Minnesota Department of Natural Resources, the Climate Change Response Framework, and other resources to compile this list of tree species, their site requirements, characteristics, and adaptability in a changing climate. The species on this list are specifically selected for Northeastern and North Central Minnesota.

As Let's Plant Trees adds more distribution areas throughout the state, additional species and tables will be provided for those new locations. This table is meant as a guideline for users, and Let's Plant Trees encourages users to do their own additional research before selecting a variety of tree species suitable for their site. Planting a diverse mix of trees increases biodiversity, habitat, and the resiliency of the forest.

Species Name	Eastern White Pine	Red Pine	Jack Pine	White Spruce	White Cedar	Tamarack	Basswood	Sugar Maple	Red Maple	Bur Oak	Northern Red Oak	Yellow Birch
Latin Name	Pinus strobus	Pinus resinosa	Pinus banksiana	Picea glauca	Thuja occidentalis	Larix laricina	Tilia americana	Acer saccharum	Acer rubrum	Quercus macrocarpa	Quercus rubra	Betula alleghaniensis
Type	Coniferous	Coniferous	Coniferous	Coniferous	Coniferous	Coniferous	Deciduous	Deciduous	Deciduous	Deciduous	Deciduous	Deciduous
Sun/Shade Preference	Somewhat shade tolerant	Full sun only	Full sun only	Somewhat shade tolerant	Somewhat shade tolerant	Full sun only	Somewhat shade tolerant	Shade tolerant	Somewhat shade tolerant	Somewhat shade tolerant	Somewhat shade tolerant	Somewhat shade tolerant
Mature Height	80-100'	60-80'	25-60'	40-60'	50-60'	50-70'	80'	80'	60-90'	80'	55-80'	60-70'
Life Expectancy	200 + Years	200 + Years	80 + Years	100 + Years	400 + Years!	200 + Years	200 + Years	200 + Years	100 + Years	200 + Years	200 + Years	150 + Years
Where to plant	Prefers well drained, sandy soils	Sunny locations. Thrives in dry, rocky or sandy soil.	Sunny locations. thrives in poor soils	Moist or dry soils, slightly acidic preferred	Moist locations, bogs and along lakeshore	Moist locations, bogs and along lakeshore	Tolerates a range of conditions	Cool locations	Moist, well drained soil	Moist, well drained soil	Prefers and does best with rich soil	Well drained soil
Climate change notes (NE MN)	Expected to do well in a variety of conditions. Climate change tolerant	Expected to have reduced habitat suitability with climate change	Expected to have reduced habitat suitability with climate change	Expected to have reduced habitat suitability with climate change	Expected to do well in a variety of conditions. Climate change tolerant	Expected to have reduced habitat suitability with climate change	Expected to do well in a variety of conditions. Climate change tolerant	Expected to do well in a variety of conditions. Climate change tolerant	Expected to do well in a variety of conditions. Climate change tolerant	Expected to do well in a variety of conditions. Climate change tolerant	Expected to do well in a variety of conditions. Climate change tolerant	Expected to do well in a variety of conditions. Climate change tolerant
Wildlife Notes	Seeds eaten by wildlife. Deer and rabbits eat seedlings	Infrequently browsed by mammals such as deer and moose	Provides food (via seeds) and cover for a variety of wildlife species	Provides seeds and cover for mammals and songbirds	Provides food and shelter for deer, and a variety of wildlife eat the seeds	Not typically browsed by wildlife, tamarack trees do provide shelter	Fragrant flowers will attract bees and other pollinators	Favored by a variety of mammals	Favored by a variety of mammals	Acorns are important food source for wildlife	Acorns are important food source for wildlife	Deer favor yellow birch and red squirres eat the seeds
Additional Comments	Fast growing	Blueberry habitat	First to colonate after a fire	Food source of spruce bud worm	Slow growing	Medium to fast growth	Fast growing	Slow to medium growth speed	Moderately fast growing	Slow growing	Moderately fast growing	Moderately fast growing