

APPENDIX TWO MINNESOTA'S NATIVE TREE SPECIES

Below is a list of Minnesota's 52 native trees and the biome in which they occur. The symbol **D** denotes deciduous trees and **C** denotes coniferous trees. As you can see, several deciduous trees show up in the coniferous biome and vice-versa!

Common Name	Scientific Name	Tallgrass Aspen Parkland Biome*	Coniferous Biome*	Deciduous Biome*	Prairie Grassland Biome*
Ash, American mountain	<i>Sorbus americana</i>		D		
Ash, black	<i>Fraxinus nigra</i>		D	D	
Ash, green (also called red ash)	<i>Fraxinus pennsylvanica</i>	D	D	D	
Ash, northern mountain	<i>Sorbus decora</i>		D		
Ash, white	<i>Fraxinus americana</i>		D	D	
Aspen, bigtooth (also called largetooth aspen, poplar, popple)	<i>Populus grandidentata</i>		D	D	
Aspen, quaking (also called trembling aspen, poplar, popple)	<i>Populus tremuloides</i>	D	D	D	D
Basswood, American	<i>Tilia americana</i>	D	D	D	
Birch, paper	<i>Betula papyrifera</i>		D	D	
Birch, river	<i>Betula nigra</i>			D	
Birch, yellow	<i>Betula alleghaniensis</i>		D	D	
Box elder	<i>Acer negundo</i>	D		D	D
Butternut (also called white walnut)	<i>Juglans cinerea</i>			D	
Cedar, eastern red (also called juniper)	<i>Juniperus virginiana</i>		C		C
Cedar, northern white	<i>Thuja occidentalis</i>		C		
Cherry, black	<i>Prunus serotina</i>			D	
Cherry, pin	<i>Prunus pensylvanica</i>		D	D	
Coffeetree, Kentucky	<i>Gymnocladus dioica</i>			D	
Cottonwood, eastern	<i>Populus deltoides</i>			D	D
Elm, American	<i>Ulmus americana</i>			D	D
Elm, rock	<i>Ulmus thomasii</i>			D	
Elm, slippery (also called red elm)	<i>Ulmus rubra</i>			D	
Fir, balsam	<i>Abies balsamea</i>		C		
Hackberry	<i>Celtis occidentalis</i>			D	
Hemlock	<i>Tsuga canadensis</i>		C		
Hickory, bitternut	<i>Carya cordiformis</i>			D	
Hickory, shagbark (also called shellbark)	<i>Carya ovata</i>			D	

Common name	Scientific name	Tallgrass Aspen Parkland Biome*	Coniferous Biome*	Deciduous Biome*	Prairie Grassland Biome*
Honeylocust	<i>Gleditsia triacanthos</i>			D	
Hophornbeam, eastern (also called ironwood)	<i>Ostrya virginiana</i>		D	D	
Hornbeam, American (also called blue beech, musclewood)	<i>Carpinus caroliniana</i>			D	
Maple, black	<i>Acer nigrum</i>			D	
Maple, mountain	<i>Acer spicatum</i>	D	D		
Maple, red	<i>Acer rubrum</i>		D	D	
Maple, silver	<i>Acer saccharinum</i>		D	D	
Maple, sugar	<i>Acer saccharum</i>		D	D	
Mulberry, red	<i>Morus rubra</i>			D	
Oak, black	<i>Quercus velutina</i>			D	
Oak, bur	<i>Quercus macrocarpa</i>		D	D	D
Oak, chinkapin (also called yellow chestnut oak)	<i>Quercus muehlenbergii</i>			D	
Oak, northern pin (also called Jack oak, Hill oak)	<i>Quercus ellipsoidalis</i>		D	D	D
Oak, northern red	<i>Quercus rubra</i>		D	D	
Oak, swamp white	<i>Quercus bicolor</i>			D	
Oak, white	<i>Quercus alba</i>			D	
Pine, eastern white	<i>Pinus strobus</i>		C	C	
Pine, jack	<i>Pinus banksiana</i>	C	C		
Pine, red (also called Norway pine)	<i>Pinus resinosa</i>		C	C	
Poplar, balsam (also called balm-of-Gilead)	<i>Populus balsamifera</i>		D	D	
Spruce, black	<i>Picea mariana</i>	C	C		
Spruce, white	<i>Picea glauca</i>		C		
Tamarack (also called eastern or American larch)	<i>Larix laricina</i>	C	C		
Walnut, black	<i>Juglans nigra</i>			D	
Willow**	<i>Salix species</i>	D	D	D	D
Willow, black	<i>Salix nigra</i>	D		D	D
Willow, peachleaf	<i>Salix amygdaloides</i>	D	D	D	D

* A **biome** is a regional ecosystem characterized by the plant, animal, and microbial communities that have developed under specific soil and climate conditions. Minnesota is home to four biomes: coniferous forest, deciduous forest, prairie grassland, and tallgrass aspen parkland. The Minnesota Department of Natural Resources and U.S. Forest Service have developed a detailed Ecological Classification System (ECS) that outlines the parts of each of Minnesota's four biomes. (The ECS refers to biomes as **provinces**.)

** Most willow species reach only shrub height. In Minnesota, only black and peachleaf willows reach tree height.

For more information on Minnesota trees, see www.mndnr.gov/trees_shrubs