



Shrub & Tree Selection Guide

Tolerances of

Hardiness Zone	Plant	Poor Drainage	Drought	Alkalinity	Salt	Shade	Growth Rate	Maturity Rate
2	Eastern Red Cedar	Low	High	High	High	Low	Medium	Medium
2	Black Hills Spruce	Low	Medium	Medium	Medium	High	Low	High
2	Colorado Blue Spruce	Low	Medium	Medium	Medium	Medium	Medium	High
2	Scotch Pine	Low	High	Medium	Low	Low	Medium	High
2	Western Serviceberry	Low	High	High	Medium	Medium	Low	Low
2	Paper Birch	Low	Low	Medium	High	Medium	Medium	Medium
2	Amur Maple	Medium	High	Medium	Medium	Medium	Medium	Low
2	Common Hackberry	Medium	High	High	Medium	Medium	High	High
2	Redoiser Dogwood	High	Medium	High	Low	Medium	Medium	Low
3	Silver Maple	High	High	Medium	High	Medium	High	High
3	Ohio Buckeye	Medium	Medium	Medium	Medium	Medium	Medium	Medium
3	Ponderosa Pine	Low	High	Medium	Medium	Low	Medium	High
3	Common Chokecherry	Low	Medium	Medium	Medium	Low	Medium	Medium
3	Ussurian Pear	Medium	High	High	Medium	Low	Medium	High
3	Green Ash	High	High	High	High	Medium	High	High
3	Honeylocust	High	High	High	High	Low	High	High
3	Bur Oak	Medium	High	High	Medium	Medium	Medium	High
3	Crabapple	Medium	Medium	High	High	Low	Medium	Low
3	White Poplar	Medium	Medium	High	High	Low	High	High
3	Cottonwood	High	Medium	High	High	Low	High	High
3	Rocky Mountain Juniper	Low	High	High	High	Low	Medium	Medium
3	American Linden	Medium	Medium	High	Low	Medium	Medium	High
3	Siberian Elm	High	High	High	High	Medium	High	High
4	Austrian Pine	Low	High	High	High	Low	Medium	High

Poor drainage: Flooded or compacted soils with low oxygen availability

Drought: Lack of water

Alkalinity: High soil pH: higher than 6.5 to 7

Salt: Mainly referring to salt spray or deposition on tops, though this may indicate some tolerance to soil salinity.

Shade: Lack of sunlight

Growth rate: Refers to height growth for the first ten years after a tree is planted. Low = less than 12 inches/year; Medium = 12-24 inches/year; and High = 24 inches/year

Maturity height: Will vary considerably by cultivar and site and is shown here for the species assuming adequate care.

Article source: Selecting and Planting Landscape Trees, by Mike Kuhns, Extension Forester and Larry Rupp, Extension Horticulturist; Utah State University Extension, Second Edition July 2000