

Pullman Plant Materials Center

Finding Vegetative Solutions to Conservation Problems

Partial List of Trees for Conservation Use in the Inland Pacific Northwest

Conservation trees	Origin: (N) native (I) introduced	Mature height (feet)	Primary conservation uses	Growth rate	Drought tolerance	Tendency to sucker	Tendency to spread by seed	Streambank suitability	Shelterbelt suitability	Remarks
Alder										
White	N	50–80	Riparian Revegetation	fast	poor	low	high	good	poor	Occurs in streams in sagebrush zone of eastern Washington
Thinleaf	N	40	Riparian Revegetation	fast	poor	low	high	good	poor	Occurs in eastern Washington, except sagebrush zone; also called mountain alder
Ash										
Green	I	35–65	Windbreak, Landscape	moderate	good	low	medium	poor	fair	Winter hardy tree, “Cardan” is an improved variety
European Mountain	I	20–30	Windbreak, Landscape	slow	low	low	high	good	good	Berries favored by song birds
Birch, Water	N	20–30	Riparian Revegetation	moderate	low	low	high	good	poor	Forms thickets in stream corridors
Crabapple										
Manchurian	I	10–16	Windbreak, Landscape	fast	fair	low	low	poor	good	Showy, more hardy than Siberian Crabapple
Elm, Siberian	I	25–50	Windbreak	fast	good	low	high	poor	fair	Can become weedy, limbs very susceptible to wind damage
Fir, Douglas	N	40–70	Windbreak, Reforestation	slow	poor	low	low	fair	good	Two varieties: west side Cascades, east side Cascades
Hawthorn, Arnold	N	15–20	Windbreak, Landscape	slow	fair	low	low	poor	good	Very compact symmetrical tree, thorny branches
Honeylocust	I	30–50	Windbreak, Landscape	fast	good	low	low	poor	good	Late to green up and early to drop leaves
Maple, Rocky Mountain (Douglas)	N	15–20	Riparian Revegetation, Wildlife	moderate	poor	low	medium	good	poor	Does best in forest environments, occurs along streams
Pine										
Austrian	I	25–60	Windbreak, Landscape	fast	good	low	low	poor	good	Drought tolerant, round in shape
Ponderosa	N	50–70	Windbreak, Reforestation	moderate	good	low	high	poor	good	Select stock from appropriate elevation and geographic area
Scots (Scotch)	I	25–50	Windbreak, Landscape	fast	fair	low	low	poor	good	Suitable for single and multi-row windbreaks
Poplar										
Hybrid	I	40–60	Windbreak, Pulp	fast	fair	medium	low	poor	good	Usually takes drier conditions than Lombardy
Black Cottonwood	N	40–60	Riparian Revegetation	fast	good	high	high	good	fair	Important riparian tree, easy to establish
Lombardy	I	40–60	Windbreak	fast	fair	low	low	poor	good	Very columnar in shape, not long lived
Quaking Aspen	N	30–45	Riparian Revegetation	fast	good	high	low	fair	fair	Does best on moist deep soils
Spruce, Blue	I	30–65	Windbreak, Landscape	moderate	fair	low	low	poor	good	Excellent bird cover, very cold tolerant
Willows										
Arroyo (<i>S. lasiolepis</i>)	N	35	Riparian Revegetation	moderate	poor	high	medium	good	poor	Shrub or tree depending on water availability
Pacific (<i>S. lasiandra</i>)	N	50	Riparian Revegetation	fast	poor	high	medium	good	poor	Tolerates inundation in summer up to 3 months
Peachleaf (<i>S. amygdaloides</i>)	N	40	Riparian Revegetation	fast	poor	low	medium	good	poor	Medium to large tree willow
Scouler's (<i>S. scouleriana</i>)	N	35	Riparian Revegetation	fast	poor	low	low	good	poor	Upland willow, shrub, or tree depending on site conditions