

Tree Species Comparisons - Silvical Characteristics

Tree species are compared based on their life history traits and selected silvicultural characteristics. The interpretive classes are: L – low, M – moderate, H – high, na – non-applicable, and ? – unknown.

Source: Table 6 in Klinka, K., J. Worrall, L. Skoda, and P. Varga. 2000. *The Distribution and Synopsis of Ecological and Silvical Characteristics of Tree Species of British Columbia's Forests*. Canadian Cartographics Ltd., Coquitlam, B.C.

Conifer

tree species	reproduction capacity	seed dispersal capacity	potential for regeneration	potential for regeneration in the open	potential for initial growth rate (over 5 years)	response of advance regeneration to release	self-pruning capacity in dense stands	crown spatial requirements	light conditions beneath closed-canopy, mature stands	potential productivity	longevity
Ba - Amabilis fir	M	L	H	L	L	H	H	L	L	H	M
Bg - Grand fir	M	L	M	L	M	M	H	L	L	H	M
Bl - Subalpine fir	M	L	H	L	L	H	H	L	L	H	M
Fd - Douglas-fir	H	H	L-H	H	H	H	H	M	M	H	H
Lt - Tamarack	M	L	L	H	H	na	L	H	H	M	M
La - Alpine larch	L	?	L	H	L	na	na	H	na	na	H
Lw - Western larch	H	M	L	H	M	na	H	H	H	H	H
Se - Engelmann spruce	M	M	L	H	L	M	M	L	M	H	H
Sw - White spruce	H	H	L	H	L	H	H	M	L	H	H
Sb - Black spruce	H	L	H	H	L	H	M	L	L	M	M
Ss - Sitka spruce	H	H	L	H	M	na	H	H	M	H	H
Pa - Whitebark pine	L	H	L	H	L	na	na	H	na	na	H
Pj - Jack pine	H	L	L	H	H	na	M	H	H	M	M
Pl - Lodgepole pine	H	L	L	H	H	L	H	L	H	M	M
Pw - Western white pine	H	M	L	H	M	na	H	M	H	H	M

Py - Ponderosa pine	H	L	L	H	H	na	M	H	H	H	M
Hw - Western hemlock	H	H	H	H	M	H	H	M	L	H	H
Hm - Mountain hemlock	M	H	L	M	L	H	H	M	M	L	H
Yc - Yellow cedar	L	M	M	H	L-M	H	H	L	M	L-M	H
Jr - Rocky Mountain juniper	H	H	L	H	L	na	na	H	na	na	M
Cw - Western redcedar	H	M	M	H	H	H	H	M	L	H	H
Tw - Western yew	M	H	H	H	M	na	na	H	na	na	?

Broadleaf

tree species	reproduction capacity	seed dispersal capacity	disturbance for regeneration	potential for regeneration in open	potential for regeneration (over 5 years)	potential for advance regeneration to release	response of regeneration to dense stands	self-pruning capacity in dense stands	crown spatial requirements	light conditions beneath closed-canopy, mature stands	potential productivity	longevity
Acb - Balsam poplar	H	H	L	H	H	na	H	H	H	H	H	L
At - Trembling aspen	H	H	L	H	H	na	H	M	H	H	H	L
Act - Black cottonwood	H	H	L	H	H	na	H	H	H	H	H	L
Dr - Red alder	H	H	L	H	H	na	H	M	H	H	H	L
Ep - Paper birch	H	H	L	H	M	na	M	M	H	M	M	L
Og - Garry oak	M	L	L	H	L	na	L	H	H	H	na	M
Vb - Bitter cherry	H	H	L	H	H	na	na	H	na	na	na	L
Kc - Cascara sagrada	L	M	L	H	M	na	na	na	na	na	na	L
Mb - Bigleaf maple	H	L	L	H	H	na	M	H	M	M	H	M
Gp - Pacific	H	H	L	H	M	na	na	H	na	na	na	L

dogwood											
Ra - Arbutus	H	H	L	H	H	na	L	M	H	na	M