

Cascade Conifers

	19 Cascade Conifers	Needles	Cones		Ecology		Other Key Identifiers
Needles: Clustered	Lodgepole Pine	Clusters of 2 . 1-3"	1-2"	Egg shaped mostly	E&W	0 - treeline	Shore Pine - coastal, short, twisted
	Ponderosa Pine	Clusters of 3 . 5 -10"	3 - 6"				E
	Whitebark Pine	Clusters of 5 Bundled	2-3"		E mostly	Over 5000'	Up to 5000'
	Western White Pine	Clusters of 5 Splayed	6"	long, narrow			
	Alpine Larch	Clusters 30-40 4-sided	1"+	Bracts	E	Over 5000'	Deciduous, alpine. To 50'
	Western Larch	Clusters 15-30 3-sided				3000 to 5000'	Deciduous, much larger. 200'+. Thick bark
Needles: Single	Douglas Fir (not true fir)	Bottle brush. Or two rowed		3 pt. bracts	E&W	0 to 4500'	Branches arch upward. Pointy end bud.
	Pacific Silver Fir	Horizontal "ski jumps" on top	5" purple	Upright cones on tree tops.	W	0 to 5000'	
	Grand Fir	Horizontal, mixed long & short	4"	Do not fall.	E&W		Westside trees much larger
	Noble Fir	Bottle brush	Largest, khaki	Only spikes remain	Snoq. P. & south		
	Subalpine Fir		3" purple		E&W	over 4500'	Spire-like above, bushy toward bottom
	Western Hemlock	Flattish rows, variable length	3/4"	Paper-thin scales	W mostly	0 to 4500'	Droopy tops & branch tips
	Mountain Hemlock	Random directions ("bad hair day")	2"			over 4000'	Less droopy
	Sitka Spruce	Sharp tip - not square x-sect. (cannot roll)	3-4"	Paper-thin scales	W	0 to 2000'	Coast of Salish Sea, west-facing rivers, Columbia Gorge
	Engelmann Spruce	Sharp tip- square x-sect. (can roll)	2"		E	3000 to 6000'	Eastern Wa.
	Pacific Yew	Fine soft point. (both ends pointed like banana)		Red fleshy berry	W	Low - mid. el.	Small. Bark is red scaly
Scales	Western Red Cedar	Smooth scales	1/2"	Rosebud	W	Up to 4000'	Red scaly bark
	Alaska Yellow Cedar	Prickly scales		Roundish		3000 to 6500'	Twigs hang vertically down. Droopy looking branches.
	Alpine (common) Juniper	Scale-like 1/2"	1/4"	Berrylike, blue	E&W	Mid to alpine	Low spreading shrub to 3' (three other less common junipers in Wa.)