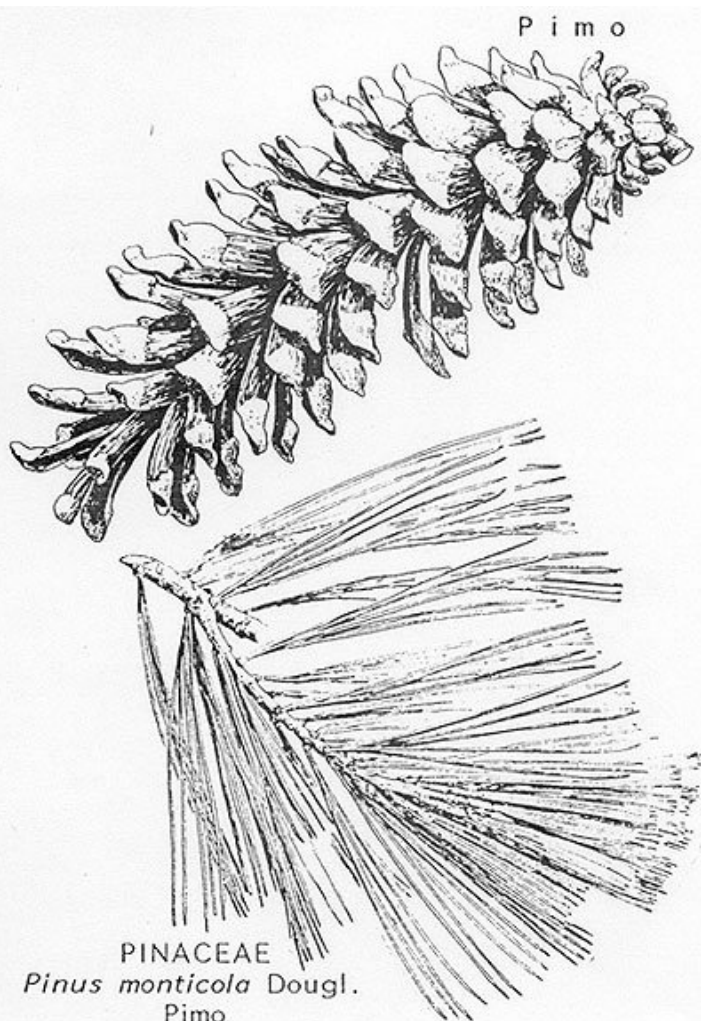


Pipo	Syal h.t.		
	Phma h.t.		
Psmc	Caru h.t.	Caru	
		Aruv	
	Phma h.t.	Phma	
		Smst	
Abgr	Phma h.t.	Phma 3	
		Cooc	
	Libo h.t.	Libo 1	
		Xete 1	
	Asca h.t.	Asca 2	
		Tabr	
		Mefe 1	
	Setr h.t.		
		Phma 4	
		Clun 3	
Clun h.t.		Tabr	
		Mefe 1	
		Xete 2	
		Vagl 1	
	Cooc		
Thp		Clun 4	
	Clun h.t.		Tabr 2
			Mefe 5
			Xete 4
			Xete 4
	Asca h.t.		Asca 3
			Tabr 5
			Mefe 6
	Gydr h.t.		4
	Adpe h.t.		3
Atfi h.t.		Adpe 2	
		Atfi 3	
		Atfi 3	
Opho h.t.		4	
Tshe		Clun 6	
	Clun h.t.		Arnu 8
			Mefe 8
			Xete 8
			Xete 8
	Asca h.t.		Asca 6
			Arnu 7
		Mefe 7	
Gydr h.t.		7	
Tsmc	Clun h.t.	Mefe 6	
		Xete 6	
	Mefe h.t.	Xete 3	
		Luh 2	
	Stam h.t.	Mefe 5	
	Luh 1		
Xete h.t.	Vagl 5		
	Luh 1		
Abia	Clun h.t.	Clun	
		Mefe 2	
		Xete 3	
	Mefe h.t.	Cooc 1	
		Xete 2	
		Vasc	
		Luh 1	
	Stam h.t.	Mefe 1	
		Lica	
	Caca h.t.	Caca	
Vaca			
Legl			
Xete h.t.	Cooc 1		
	Vagl 2		
	Vasc		
	Luh		
Pico	Vasc h.t.		
	Xete c.t.		
	Vaca c.t.		



P i m o
PINACEAE
Pinus monticola Dougl.
Pimo

western white pine

FORM: Tree, up to 70m (230ft) tall; symmetrical crown with slender, drooping branches; well-marked nodal branching.

IDAHO CHAMPION: 1992. 79in dbh; 247in circum; 229 ft. tall; 6ft crown=482pts; Floodwood Creek, Clearwater Co., ID.

BARK: Very thin at first, grey and smooth, with resin blisters on young trees (similar to *Abies grandis* and *Pseudotsuga menziesii*, becoming finely checked into small, dark grey squares.

LEAVES: Needles in bundles of 5. 5-10cm (2-4in) long, blue-green, slender and flexible, tip blunt.

CONES: Narrow and curved, 12-38cm (5-15in) long, thin unarmed scales; mature mid-Aug. of second year; seed shed Aug.-Sept.

ENEMIES: Diseases: White pine blister rust, *Armillaria* species, *Poria subacida*, *Fomes pini*, *Phaeolus (Polyporus) schweinitzii*, *Phellinus (Poria) weirii*, *Fomes annosus*, *Polyporus anceps*, *Verticicladiella* species (blackstain), dwarf mistletoe, and *Atropellis* canker; Insects: mountain pine beetle; Fire: very susceptible.

SIMILAR SPECIES: *Pinus albicaulis*, p.17, short and heavy cones.