

P i p o



PINACEAE

Pinus ponderosa Dougl.
Pipo

ponderosa pine, yellow pine, bull pine

FORM: Tree, 43m (140ft) tall; with symmetrical bole.

IDAHO CHAMPION: 1989. 73in dbh; 228in circum; 172ft tall; 9ft. crown=
409pts: Boise Co., IDL

BARK: Brownish-black on vigorous young trees, turning to an orange or cinnamon color as diameter growth slows; always scaly with deep furrows on mature tree.

LEAVES: Flexible, yellowish-green, needles in bundles of 3 sometimes 2, 12-20cm (5-8in) long.

CONES: Ovate, 8-15cm (3-6in) long, cone scales have prickly tip; clustered at branch ends; may persist 2-7 years; ripens Aug.-Sept.; seed shed Sept.-Jan.

ENEMIES: Diseases: *Armillaria* species, *Phaeolus* (*Polyporus*) *schweinitzi*, *Polyporus anceps*, *Verticicladiella* species (blackstain), *Fomes pini*, *Atropellis* canker, dwarf mistletoe, *Elytroderma* needlecast and western gall rust; Insects: western and mountain pine beetle; Fire: mature trees very resistant.

10	Syal	h.t.		Pp
10	Phma	h.t.		po
	Caru	Caru		Psm
4	Aruv	h.t.		
8	Phma	Phma		
9	Sms	h.t.		
7	Phma	Phma		Abgr
3	Cooc	h.t.		
6	Libo	Libo		
4	Xete	h.t.		
2	Asca	Asca		
	Tabr		h.t.	
2	Mefe			
	Setr	h.t.		
7	Phma			
4	Clun	Clun		
	Tabr		h.t.	
1	Mefe			
3	Xete			
4	Vagl	Xete		
3	Cooc	h.t.		
2	Clun	Clun		Thpl
	Tabr		h.t.	
2	Mefe			
	Xete			
1	Asca	Asca		
	Tabr		h.t.	
	Mefe			
	Gydr	h.t.		
+	Adpe	h.t.		
	Adpe	Atfi		
+	Atfi		h.t.	
	Opho	h.t.		
1	Clun	Clun		Tshe
+	Arnu		h.t.	
	Mefe			
1	Xete			
1	Asca	Asca		
	Arnu		h.t.	
	Mefe			
	Gydr	h.t.		
	Mefe	Clun		Tsm
	Xete		h.t.	
	Xete	Mefe		
	Luhi		h.t.	
	Mefe	Stam		
	Luhi		h.t.	
1	Vagl	Xete		
	Luhi	h.t.		
	Clun	Clun		Abja
	Mefe		h.t.	
1	Xete			
	Cooc	Mefe		
	Xete		h.t.	
	Vasc			
	Luhi			
	Mefe	Stam		
	Lica		h.t.	
	Caca	Caca		
	Vaca		h.t.	
	Legl			
1	Cooc	Xete		
	Vagl		h.t.	
	Vasc			
	Luhi			
	Vasc	h.t.		Pico
	Xete	c.t.		
	Vaca	c.t.		