

Pipo	Syal h.t.	
	Phma h.t.	
Psmc	Caru h.t.	Caru
		Aruv
	Phma h.t.	Phma
		Smst
Abgr	Phma h.t.	Phma
		Cooc
	Libo h.t.	Libo
		Xete
	Asca h.t.	Asca
		Tabr
		Mefe
	Setr h.t.	
		Phma
		Clun
Clun h.t.		Tabr
		Mefe
		Xete
		Vagl 1
	Cooc	
Thpi	Clun h.t.	Clun
		Tabr
		Mefe 5
		Xete 2
	Asca h.t.	Asca 1
		Tabr
		Mefe 1
	Gydr h.t.	
	Adpe h.t.	
	Atfi h.t.	Adpe
	Atfi +	
Opho h.t.		
Tshe	Clun h.t.	Clun
		Arnu
		Mefe 1
		Xete
	Asca h.t.	Asca
Arnu		
	Mefe	
Gydr h.t.		
Tsmc	Clun h.t.	Mefe 10
		Xete 10
	Mefe h.t.	Xete 10
		Luhi 10
	Stam h.t.	Mefe 10
		Luhi 10
Xete h.t.	Vagl 10	
	Luhi 10	
Abia	Clun h.t.	Clun
		Mefe
		Xete 1
		Cooc
	Mefe h.t.	Xete 2
		Vasc 1
		Luhi
	Stam h.t.	Mefe
		Lica
	Caca h.t.	Caca
Vaca		
	Legl 1	
Xete h.t.	Cooc	
	Vagl	
	Vasc	
	Luhi	
Pico	Vasc h.t.	
	Xete c.t.	
	Vaca c.t.	



PINACEAE

Tsuga mertensiana (Bong.) Carr.

Tsme

mountain hemlock

FORM: Tree, up to 35m (115ft) tall; pyramidal crown with slender, drooping branches and slightly drooping leader.

IDAHO CHAMPION: 1984. 64in dbh; 202in circum; 136ft tall; 9ft crown=347 pts., Shoshone Co., Coeur d'Alene BLM, ID

BARK: Hard, red-brown with deep, narrow furrows separating into narrow, rounded ridges.

BUDS: Brown, sharp pointed, 3mm long.

LEAVES: Singular, plump, petiolate needles 1-3cm (1in) long, deep bluish-green with stomata on both surfaces, apex blunt, needles of even length and extending out on all sides of twig (1).

CONES: Mature cones, cylindrical, with thin scales, 3-8cm (1-3in) long; purple, turning brown when mature, remaining on trees several years; ripens and sheds seed from Aug.-Oct.

ENEMIES: Same as *Tsuga heterophylla*, p.26.

SIMILAR SPECIES: *Tsuga heterophylla*, p.26.