



*Rhamnus purshiana* DC.  
Rhp u

cascara, chittam bark

RHAMNACEAE

*Rhamnus alnifolia* L'Her.  
Rha l 2

buckthorn

**FORM:** Erect, tall shrub or small tree to 10m (33ft) tall.  
**IDAHO CHAMPION:** Rhp u: 1975. 26.7in dbh; 83.8in circum. + 33ft tall + 5ft crown= 122pts; Slate Creek RD, Nezperce NF.  
**STEMS:** New twigs green and hairy; older twigs reddish-brown and hairless.  
**BUDS:** Naked buds (without bud scales) (1).  
**LEAVES:** Alternate (may appear opposite on new growth), deciduous, sometimes finely serrate, ovate-oblong, 6-13cm (2-5in) long.  
 Rhp u: main lateral veins >8 per side.  
 Rha l 2: main lateral veins <8, per side, prominent parallel veins curved slightly toward tip.  
**FLOWERS:** Greenish-yellow petals, 5-merous, 3-4mm long.  
 Rhp u: small axillary clusters of 8-40, in pedunculate umbels; April-June.  
 Rha l 2: 2-5 in sessile umbels, petals lacking; June-July.  
**FRUIT:** Bluish- to purplish-black berries, 6-9mm long.  
**SIMILAR SPECIES:** *Alnus Conspectus*, p.33, scaly buds; and *Cornus stolonifera*, p.43, opposite leaves and twigs.  
**NOTES:** Rhp u bark collected for medicinal laxative properties.

Sya	h. t.		
Phma	h. t.		Pt po
Caru	Caru		P sme
Aruv	h. t.		
Phma	Phma		
Smst	h. t.		
Phma	Phma		Abgr
Cooc	h. t.		
Libo	Libo		
Xete	h. t.		
Asca	Asca		
Tabr	h. t.		
Mefe			
Setr	h. t.		
Phma			
Clun			
Tabr	Clun		
Mefe	h. t.		
Xete			
Vagl	Xete		
Cooc	h. t.		
Clun			Thp l
Tabr	Clun		
Mefe	h. t.		
Xete			
Asca	Asca		
Tabr	h. t.		
Mefe			
Gydr	h. t.		
Adpe	h. t.		
Adpe	Atfi		
+ Atfi	h. t.		
Opho	h. t.		
Clun			T she
Arnu	Clun		
Mefe	h. t.		
Xete			
+ Asca	Asca		
Arnu	h. t.		
Mefe			
Gydr	h. t.		
Mefe	Clun		T sme
Xete	h. t.		
Xete	Mefe		
Luhi	h. t.		
Mefe	Stam		
Luhi	h. t.		
Vagl	Xete		
Luhi	h. t.		
Clun			Ab l a
+ Mefe	Clun		
Xete	h. t.		
Cooc			
+ Xete	Mefe		
Vasc	h. t.		
+ Luhi			
Mefe	Stam		
Lica	h. t.		
2 Caca	Caca		
Vaca	h. t.		
Legl			
Cooc			
Vagl	Xete		
Vasc	h. t.		
Luhi			
Vasc	h. t.		Pico
Xete	c. t.		
Vaca	c. t.		