



RHAMNACEAE  
*Ceanothus sanguineus* Pursh  
Cesa

redstem ceanothus

**FORM:** Erect loosely branched shrubs, 1-3m (3-10ft) tall, often forming thickets.  
**BARK:** Glabrous, reddish purple; pith solid.  
**BUDS:** Alternate, stalked with bud scales.  
**LEAVES:** Alternate, deciduous, thin, simple ovate, 3-10cm (1-4in) long, not shiny, 3 prominent main veins branching from leaf base (1), finely toothed and gland tipped.  
**FLOWERS:** Small, white, clustered in panicles near twig ends; May-July.  
**FRUIT:** Hard, 3-seeded mechanically explosive capsule 4mm long, containing heavy seed (2).  
**ENEMIES:** Fire: resistant and beneficial, resprouts from basal stems the following year; a fire dependent species requiring heat scarification of seed for germination.  
**SIMILAR SPECIES:** *Ceanothus velutinus*, p.41.  
**HABITAT:** Semi-shaded, well-drained soils and early seral, open, sunny habitat following fire.  
**NOTES:** Roots have nitrogen fixing nodules.

	Syal h.t.	Phpo
3	Phma h.t.	
	Caru h.t.	Psmc
	Aruv h.t.	
2	Phma h.t.	
+	Smsst h.t.	
1	Phma h.t.	Abgr
1	Cooc h.t.	
	Libo h.t.	
	Xete h.t.	
+	Asca h.t.	
	Tabr h.t.	
	Mefe h.t.	
	Setr h.t.	
+	Phma h.t.	
	Clun h.t.	
	Tabr h.t.	Thp1
	Mefe h.t.	
	Xete h.t.	
+	Asca h.t.	
	Tabr h.t.	
	Mefe h.t.	
	Gydr h.t.	
	Adpe h.t.	
	Adpe h.t.	
	Atfi h.t.	
	Opho h.t.	
	Clun h.t.	Tshe
	Arnu h.t.	
	Mefe h.t.	
	Xete h.t.	
	Asca h.t.	
	Arnu h.t.	Tsne
	Mefe h.t.	
	Gydr h.t.	
	Mefe h.t.	
	Clun h.t.	
	Xete h.t.	Tsne
	Xete h.t.	
	Luhi h.t.	
	Mefe h.t.	
	Luhi h.t.	
	Vagl h.t.	Aol1a
	Luhi h.t.	
	Clun h.t.	
	Mefe h.t.	
	Cooc h.t.	
	Xete h.t.	Aol1a
	Vasc h.t.	
	Luhi h.t.	
	Mefe h.t.	
	Lica h.t.	
	Caca h.t.	Aol1a
	Vaca h.t.	
	Legl h.t.	
	Cooc h.t.	
	Vagl h.t.	
	Vasc h.t.	Pico
	Luhi h.t.	
	Vasc h.t.	
	Xete c.t.	
	Vaca c.t.	