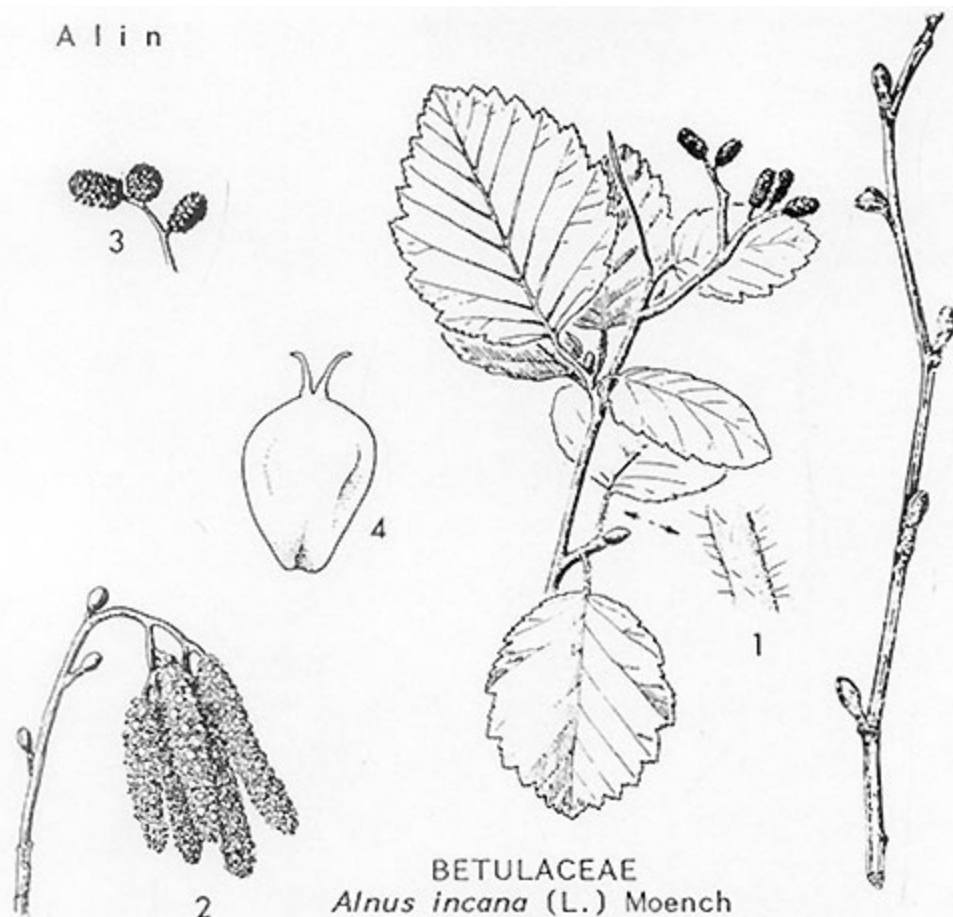


Alin



BETULACEAE
Alnus incana (L.) Moench
 previously
Alnus tenuifolia Nutt.
 Alin

thinleaf alder

FORM: Large shrub or small tree, up to 12m (40ft) tall with a tendency to form thickets.

IDAHO CHAMPION: 1969. 10.2in dbh; 32in circum. + 30ft tall + 5ft crown= 67pts; Payette NF.

STEMS: Usually somewhat 3-sided, sometimes with short rusty hairs (1); cambium and pith turns a rusty color when freshly cut.

BARK: Thin, smooth, dirty green-grey; older trees tend to flake near base.

BUDS: Alternate, winter buds stalked, bright red, short, with blunt apex.

LEAVES: Deciduous, alternate, broadly elliptic, apex acute, margin double dentate, 3-7cm (1-3in) long; dull green both sides with yellow-green on central vein; not sticky.

FLOWERS: Next seasons immature male and female catkins are exposed over winter; catkins developing before the leaves; male catkins clustered, pendulous (2); female catkins are small semi-woody, persistent, conelike (3) clusters of 3-9 on short stout stalks 9-13mm long; March-May.

FRUIT: A small, wingless nutlet (4).

SIMILAR SPECIES: *Alnus Conspectus*, p.33.

HABITAT: Associated with riparian to sub-irrigated sites.

NOTES: Roots have nitrogen fixing nodules.

Syal h.t.		Ptpr
Phma h.t.		Ptpr
Caru	Caru	Ptpr
Aruv	h.t.	Ptpr
Phma	Phma	Ptpr
Smst	h.t.	Ptpr
Phma	Phma	Abgr
Cooc	h.t.	Abgr
Libo	Libo	Abgr
Xete	h.t.	Abgr
Asca	Asca	Abgr
Tabr	h.t.	Abgr
Mefe		Abgr
Setr	h.t.	Abgr
Phma		Abgr
Clun		Abgr
Tabr	Clun	Abgr
Mefe	h.t.	Abgr
Xete		Abgr
Vagl	Xete	Abgr
Cooc	h.t.	Abgr
Clun		Thp
Tabr	Clun	Thp
Mefe	h.t.	Thp
Xete		Thp
Asca	Asca	Thp
Tabr	h.t.	Thp
Mefe		Thp
2 Gydr	h.t.	Thp
Adpe	h.t.	Thp
Adpe	Atfi	Thp
Atfi	h.t.	Thp
1 Opho	h.t.	Thp
Clun		Tshe
Arnu	Clun	Tshe
Mefe	h.t.	Tshe
Xete		Tshe
Asca	Asca	Tshe
Arnu	h.t.	Tshe
Mefe		Tshe
Gydr	h.t.	Tshe
4 Mefe	Clun	Tsme
2 Xete	h.t.	Tsme
1 Xete	Mefe	Tsme
Luhi	h.t.	Tsme
5 Mefe	Stam	Tsme
2 Luhi	h.t.	Tsme
1 Vagl	Xete	Tsme
Luhi	h.t.	Tsme
Clun		Ab1a
Mefe	Clun	Ab1a
Xete	h.t.	Ab1a
Cooc		Ab1a
Xete	Mefe	Ab1a
Vasc	h.t.	Ab1a
Luhi		Ab1a
Mefe	Stam	Ab1a
1 Lica	h.t.	Ab1a
Caca	Caca	Ab1a
Vaca	h.t.	Ab1a
Legl		Ab1a
Cooc		Ab1a
Vagl	Xete	Ab1a
Vasc	h.t.	Ab1a
Luhi		Ab1a
Vasc	h.t.	Pico
Xete	c.t.	Pico
Vaca	c.t.	Pico