



ASTERACEAE (COMPOSITAE)

Arnica cordifolia Hook.

Arco

heartleaf arnica

FORM: Deciduous, perennial, hairy forb, 1-6dm (4-24in) tall, stems solitary to few, loosely clustered together, from a naked rhizome.

LEAVES: Opposite, bluish-green, heart-shaped, entire to toothed, 4-12cm (2-5in) long, soft hairy upper surface, with the veins appearing embedded; during flowering, lowest pair of leaves are well-developed with largest blade and longest petioles; other leaves smaller, mostly 2-4, lance-shaped, petiolate, becoming sessile up the stem.

FLOWERS: Heads generally one per stem, rays yellow, involucre densely hairy; April-June.

FRUIT: Achenes mostly uniformly short hairy or glandular (1), most dependable character for distinguishing *A. cordifolia* from *A. latifolia*.

ENEMIES: Fire: moderate to low resistance, regeneration from rhizomes to preburn levels within 3-7 years.

SIMILAR SPECIES: *Arnica latifolia*, p.115, nonpetiolate caulin leaves; opposite leaf arrangement generally distinguishes *A. cordifolia* and *A. latifolia* from other similar genera.

NOTES: *A. cordifolia* and *A. latifolia* may inhabit the same site and often hybridize; *A. cordifolia* generally flowers before *A. latifolia*.

	Syal h.t.	Pipo
	Phma h.t.	
10	Caru	Caru
4	Aruv	h.t.
5	Phma	Phma
8	Smst	h.t.
3	Phma	Phma
1	Coco	h.t.
5	Libo	Libo
1	Xete	h.t.
1	Asca	Asca
+	Tabr	h.t.
2	Mefe	
1	Setr	h.t.
3	Phma	
5	Clun	
1	Tabr	Clun
1	Mefe	h.t.
1	Xete	Xete
1	Vagl	h.t.
1	Coco	
2	Clun	
2	Tabr	Clun
2	Mefe	h.t.
1	Xete	
1	Asca	Asca
2	Tabr	h.t.
4	Mefe	
2	Gydr	h.t.
1	Adpe	h.t.
1	Adpe	Atfi
1	Atfi	h.t.
	Opho	h.t.
+	Clun	
1	Arnu	Clun
	Mefe	h.t.
	Xete	
	Asca	Asca
	Arnu	h.t.
	Mefe	
1	Gydr	h.t.
+	Mefe	Clun
	Xete	h.t.
	Xete	Mefe
	Luh	h.t.
	Mefe	Stam
	Luh	h.t.
	Vagl	Xete
	Luh	h.t.
Clun		
1	Mefe	Clun
	Xete	h.t.
2	Cooc	
2	Xete	Mefe
1	Vasc	h.t.
	Luh	
1	Mefe	Stam
	Lica	h.t.
	Caca	Caca
	Vaca	h.t.
	Legl	
2	Cooc	
	Vagl	Xete
1	Vasc	h.t.
	Luh	
Vasc		
	Xete	Pipo
	Vaca	