

\* *Agoseris Leontodon pygmaea*.

Cinereous, as in the preceding variety, but very low, only 3–6 cm. high; head small, turbinate; involucre more or less purplish, of 10–15 lanceolate bracts; corollas more or less tinged with rose; leaves narrow and often entire, linear.

Among rocks, at an altitude of 3000 m.

MONTANA: Old Hollowtop, near Pony, July 9, 1897, *Rydberg & Bessey*, 5288.

\* *Agoseris villosa*.

Stem stout, about 2 dm. high, densely villous when young, glabrate in age; leaves very villous-pubescent, about 1 dm. long, broadly lanceolate, entire, or laciniately toothed, rather thick; heads 2–2.5 cm. high and fully as wide, hemispheric; involucre densely villous, the outer bracts ovate or oblong, the inner lanceolate; achenes, including the beak, which is not very strongly striate, about 1 cm. long, brown.

Most resembles *A. pumila*, but is easily distinguished by the pubescence.

MONTANA: Helena, 1891, *F. D. Kelsey* (in the herbarium of Columbia University; type); Basin, 1892 (in the herbarium of Montana College of Agriculture).

\* *Agoseris altissima*.

Stem sparingly villous, 5–7 dm. high; leaves 15–25 cm. long, linear-oblong, entire, sparingly beset with villous hairs, especially on the margin; head 3 cm. high and the disk 2.5 cm. in diameter; bracts densely pilose, more or less brownish in color, the outer broadly oblong, the inner lanceolate; ligules 2.5 cm. long, at first yellow, turning pinkish; achenes, as well as the short beak, glabrous, striate.

Apparently nearest related to *A. scorzoneraefolia*, but taller and rather with the habit of the other section of the genus.

A rare plant; found on a creek-bank, at an altitude of a little over 2000 m.

MONTANA: Jack Creek, July 14, 1897, *Rydberg & Bessey*, 5289.

\* *Agoseris carnea*.

Simple, or slightly branched at the base, glabrous except the upper part of the scape and involucre; leaves oblanceolate, 7–20 cm. long, entire or rarely with a few small teeth, dark green, acute; scape seldom over 1 dm. high, rarely much exceeding the leaves, often shorter, densely villous above, especially just below the head, which is turbinate and about 15 mm. high; bracts subequal, linear or linear-

lanceolate, villous below and somewhat viscid, spotted with purplish brown, the outer obtuse, the inner acute; flowers from pink to flesh-color or purplish red; achenes unknown.

Resembles somewhat a low *A. aurantiaca*, but the inner bracts are not long-acuminate and much longer than the rest, as in that species. It has been labeled *Troximon aurantiacum purpureum*, but this or *A. purpurea* is a much larger plant from Colorado with lacinate leaves, and long-acuminate inner bracts. As the achenes are unknown the plant may belong to the *glauca* section of the genus. The only rose-flowered species of that section are the preceding and *A. rosea* (Nutt.) Dietr. The latter is described as having lacinate leaves. Subalpine meadows, at an altitude of 2000–2800 m.

MONTANA: Park Co., 1887, *Tweedy*, 305.

BRITISH COLUMBIA: Mt. Queest, 1889, *J. M. Macoun* (type).

**Agoseris aurantiaca** (Hook.) Greene, *Pittonia*, 2: 177; *Troximon aurantiacum* Hook. Fl. Bor. Am. 1: 300 [Bot. Cal. 1: 437; Syn. Fl. 1<sup>2</sup>: 438; Man. R. M. 222].

In valleys, at an altitude of 2000–2500 m.

MONTANA: Spanish Basin, 1896, *Flodman*, 936 and 937; Head of the Stillwater, 1897, *P. Koch*, 69; Lake Plateau, 55; Jack Creek Cañon, July 14, 1897, *Rydberg & Bessey*, 5292; Bozeman, 1883, *Canby*, 214.

YELLOWSTONE PARK: 1888, *Dr. Chas. H. Hall*; Swan Lake, 1885, *Tweedy*, 699.

**Agoseris gracilens** (Gray) Greene, *Pittonia*, 2: 177; *Troximon gracilens* Gray, Proc. Am. Acad. 19: 71 [Syn. Fl. 1<sup>2</sup>: 438; Man. R. M. 222].

In valleys, at an altitude of 2000–2500 m.

MONTANA: Park Co., 1887, *F. Tweedy*, 304 (flowers purple) (?); Silver Bow Co., *Mrs. Jennie Moore*; Tiger Butte, 1886, *R. S. Williams*, 429; Bozeman, 1895, *Rydberg*, 2860; Pony Mountains, July 7, 1897, *Rydberg & Bessey*, 5290.

YELLOWSTONE PARK: 1883, *Miss Mary Compton*.

\***Agoseris Greenei** (Gray); *Troximon gracilens Greenei* Gray, Proc. Am. Acad. 19: 71 [Syn. Fl. 1<sup>2</sup>: 438].

Like the last, but with very narrow erect leaves, which are entire or with a few linear lobes; peduncle and involucre nearly destitute of wool.

MONTANA: Yogo, 1888, *R. S. Williams*, 429a.