

Revisions by David E. Giblin, 4 January 2024

Citation: Giblin, D.E. 2024. *Townsendia*, revised treatment. Flora of the Pacific Northwest, 2nd edition. Edited by D. E. Giblin, B. S. Legler, P. F. Zika, and R. G. Olmstead. University of Washington Press, Seattle, WA. 882 pp. On-line at <https://www.pnwherberaria.org/florapnw/revisedtreatments.php>

Key revised to include *Townsendia lemhiensis*, a recently (2022) described species endemic to Lemhi County, ID; spelling corrected for specific epithet of *T. florifera* (previously spelled *florifer*).

Townsendia Hook. Townsend Daisy; *Townsendia*

Heads radiate, solitary, ± sessile in basal rosette or at ends of lfy sts, or on scapiform peduncles; ray fls ♀ and fertile, white or anthocyanic; phyllaries narrow, ± imbricate, gen with a green center and fringed margins; recep flat, naked; disk fls ∞, ♂, anthers entire or nearly so at base; style brs flattened, with introrsely marginal stigmatic lines and short or elongate, externally hairy appendage; achenes flattened, 2-nerved (or those of the rays triangular), gen pubescent, but occ glab; pappus of the disk fls a single series of ∞ rigid, narrow, barbellate, bristlelike scales, that of the rays similar or sometimes reduced and chaffy; taprooted ann to per herbs with alt or all basal, entire lvs. (For David Townsend, 1787–1858, amateur botanist of W Chester, PA).

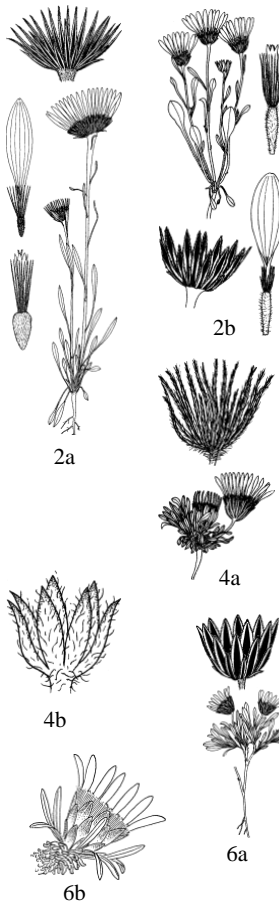


Illustration to be added
7a

1a Pls bien or short-lived per with a mere crown on the taproot, gen several-std from the base, the fl sts lfy, (2–)3–15(–20) cm (excluding the heads)

2a Heads large, the disk gen 1.5–3.5 cm wide, the longer phyllaries 10–16 mm; rays 10–20 mm, lavender or purplish to blue (rarely pink to white), gen with bluish tinge when dried; sts ± erect, occ decumbent, (1.5–)2–5 mm wide; grassl to sagebr slopes and dry woodl, mont to subalp; se BC and sw Alta s in w MT to e ID, ne OR, NV, UT, and WY; Parry’s t. **1 T. parryi** D.C. Eaton

2b Heads smaller, the disk gen 1–2 cm wide, the longer phyllaries 6–9(–11) mm; rays 7–12 mm, pinkish; sts decumbent to ascending, occ erect, 1–2(–2.5) mm wide; gravelly areas, often with sagebr, plains and foothills; e Cas, c WA to NV, e in s ID to sw MT and WY; showy t. **2 T. florifera** (Hook.) A. Gray

1b Pls caespitose, nearly acaulescent per, 1–3(–4) cm, the taproot surmounted by an evident br caudex, the fl sts 0–3(–4) cm (excluding the heads)

3a Pls loosely woolly-villous, the longer hairs > 1 mm; pappus readily deciduous at maturity; compact, caespitose pls 1–2 cm tall, with white or pinkish rays

4a Longer phyllaries 9–11 mm; invol (12–)16–30 mm wide, with 45–60+ phyllaries; rocky alp slopes; scattered, sw Alta and Glacier Co, MT, sw MT to adj wc ID and nw WY, s UT, and c CA; cushion t. **3 T. condensata** Parry

4b Longer phyllaries 5–8(–9) mm; invol 6–12(–16) mm wide, with 16–26+ phyllaries; grassl to open ridges, mont to alp; sw MT to w WY; sword t. **4 T. spathulata** Nutt.

3b Pls short-hairy to subglab, the hairs < 1 mm; pappus persistent

5a Mont or alp spp. in RM; phyllaries lanceolate-ovate to oblanceolate, 2.5–5 × as long as wide, tips obtuse to broadly acute; achenes glab, or sparsely hairy near base; rays blue or violet to white; herbage sparsely strigose

6a Heads gen on peduncles 0.5–3(–4) cm (occ sessile); rays often glandular-puberulent on outer surface of lamina, bluish-purple (pink or white); lvs 2–5 mm wide; rocky slopes and meadows; wc MT to ec ID, s to UT and CO, disjunct in Wallowa Mts, OR; mt t. (*T. m.* var. *m.*) **5 T. montana** M.E. Jones

6b Heads gen sessile (rarely on peduncles 0.5–1.5 cm); rays glab or glabrate on outer surface of lamina, white to pinkish; lvs 1–2(–3) mm wide; rocky ridges and sandy slopes; sw MT and adj ec ID, s to s RM, GB, and CA; common t. **6 T. leptotes** (A. Gray) Osterh.

5b Plains and valley spp. (mostly e of Cont Div, w to valleys of se BC, w MT, and se ID); phyllaries narrowly elliptic-lanceolate to linear-lanceolate, 6–9 × as long as wide, tips gen acute to attenuate; achenes persistently hairy, at least toward the base; rays white or pinkish; herbage rather sparsely to densely grayish-strigose

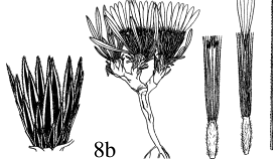
7a Pls with hairs spreading only; phyllaries appressed, narrowly elliptic-lanceolate, 6–7 × 1 mm, ciliate at the acute to acuminate tips; rays 7–8 mm; disk corolla 4 mm; lvs narrowly oblanceolate to narrowly elliptic-oblanceolate, to 2 mm wide; ashy white slopes of eroded rhyolite tuff; endemic to Lemhi Co. ID **7. T. lemhiensis** C.Lee, Björk & J.Whitton,

7b Pls with appressed hairs only, or spreading hairs few and inconspicuous

8a Longer phyllaries 7–11(–13) × ca 1 mm, with a tuft of tangled cilia at the attenuate tip; rays gen 8–12 mm; disk corollas 4–6(–8) mm; lvs linear or



8a



8b

nearly so, 1–2(–3) mm wide; gravelly benches and sandy slopes; se BC to sw MT and adj ec ID, s and e to UT, CO, and n Gr Pl; Hooker's t. (*T. mensana* misapplied)

8 **T. hookeri** Beaman

8b Longer phyllaries (10–)12–14(–17) × 1.5–2.5 mm, without a tuft of tangled cilia at the merely acute tip; rays (9–)12–18 mm; disk corollas 6.5–9(–12) mm, lvs oblanceolate, the larger ones 2–6 mm wide; gravelly to sandy slopes; Alta to wc MT (where just entering our area), GP, s RM, and sw US; Easter daisy

9 **T. exscapa** (Richardson) Porter