

Pseudognaphalium leucocephalum (A. Gray) Anderb., WHITE RABBIT-TOBACCO.

Perennial herb, thick-taprooted, many-stemmed at base, with densely packed, erect leafy shoots, in range 30–75 cm tall (in flower); shoots with basal leaves and cauline leaves, white-woolly and with stalked glandular hairs, strongly scented. **Stems:** cylindric, to 3 mm diameter, internodes between cauline leaves short–10 mm long, persistently densely white-woolly with matted, longitudinally oriented hairs and usually with stalked glandular hairs protruding through wool. **Leaves:** helically alternate, simple, sessile, without stipules; blade linear-lanceolate to linear-triangular or linear-oblongate, 30–70 × 1.5–5(–6) mm, broadly attached to stem in a \cap -shaped or \wedge -shaped manner, entire and inrolled under (revolute) on margins, acuminate at tip, pinnately veined with midrib raised on lower surface, bicolored with upper surface dark green and densely glandular-hairy, with some fine cobwebby hairs along midrib mostly at base, lower surface densely white-woolly and with some glandular hairs protruding through the wool. **Inflorescence:** heads, in terminal, paniclelike arrays, array several–many heads, simple or compound, 15–120 × 15–55 mm, simple array = single branch terminated by a condensed spheroid panicle of 5–25 heads, compound array = several simple arrays forming an obovoid panicle or somewhat flat-topped, head disciform, in range with 50–68 pistillate peripheral flowers and 9–13 bisexual central flowers, bracteate, white-woolly; branches of inflorescence suberect to ascending, with leaflike bracts 5–20 mm long; peduncle 1–3 mm long, along axis with linear-oblongate to ovate bracts < 4 mm long, scarious, the uppermost bracts phyllarylike with commonly 1–2 subtending involucre; **involucre** at anthesis narrowly cup-shaped becoming broader or bell-shaped as fruit matures, 6.5–7 × 3.5–5 mm, phyllaries appressed and erect, 30–50 in 7–9 graded series, at base greenish and woolly aging yellowish brown, above midpoint bright whitish, scarious, and glabrous, 1-veined, the outermost phyllaries acuminate-ovate, $\pm 5 \times 2$ mm decreasing inward to linear-oblong or narrowly oblongate, $\pm 4.3 \times 0.5$ mm, spreading in fruit; receptacle slightly convex, without bractlets (paleae). **Peripheral flower:** pistillate, radial, slender, 4.2–5 mm long; **calyx (pappus)** of 14–18 capillary bristles in 1 whorl, 4–4.5 mm long, white; **corolla** 3–4-lobed, 3.7–4 mm long; tube-throat cylindric, < 1.5 mm wide, greenish to greenish yellow; lobes triangular, minute, light yellow, with stalked glandular hairs surpassing lobes; **stamens** absent; **pistil** 1; ovary inferior, oblongoid, 0.3–0.8 mm long, yellowish green, glabrous, 1-chambered with 1 ovule; style included, ca. 3.2 mm long, 2-branched, brownish yellow below fork, the branches ca. 0.4–0.6 mm long, equaling tips of corolla, rounded and glabrous at tip. **Central flower:** bisexual, radial, slender, 4.2–5 mm long; **calyx (pappus)** of 14–18 capillary bristles in 1 whorl; **corolla** 5-lobed, 3.7–4 mm long; tube-throat 0.3–0.4 mm wide, yellow, expanded and slightly pleated at orifice; lobes narrowly triangular to lanceolate, 0.3 mm long, light yellow, with stalked glandular hairs; **stamens** 5, fused to corolla tube ca. 0.3 mm above base, included; filaments free, ca. 1 mm long; anthers fused into cylinder surrounding style, basifixed, dithecal, ± 1.75 mm long, orange-yellow, with tails at base and scarious appendages at tips, the tails 0.3 mm long and hairy, the appendages triangular, < 0.5 mm long, longitudinally dehiscent; pollen orange-yellow, sticky; **pistil** 1; ovary inferior, oblongoid, 0.3–0.8 mm long, yellowish green, glabrous, 1-chambered with 1 ovule; style ca. 3.2 mm long, 2-branched, brownish yellow below fork, the branches ca. 0.4–0.6 mm long, equaling tips of corolla, truncate and papillate stigmatic at tip. **Fruits:** cypsela, monomorphic, oblongoid, $\pm 1 \times 0.4$ mm,

dull grayish brown or grayish olive green, longitudinally wrinkled forming slight ridges, with a minute, doughnut-shaped base; pappus of 14–18 capillary bristles, 4–4.5 mm long, white, with fine, ascending barbs obscure most of length but spreading at base.

Native. Mound-forming perennial known from a sandbar in Calleguas Creek, but not observed in recent decades, although occurring elsewhere in Ventura County.

Pseudognaphalium leucocephalum is a distinctive, creek-bed species with narrow leaves dark green on the upper surface and white-woolly on the lower surface, and most similar to the bicolored but larger leaves of *P. bionettii*.

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