

Plagiobothrys collinus (Philbr.) I. M. Johnst. var. *fulvescens* (I. M. Johnst.) Higgins, ROUGH-STEMMED POPCORNFLOWER. Annual, taprooted, rosetted, with erect to spreading inflorescences from base, 5–50 cm tall; shoots with basal leaves and leafy bracts, hirsute throughout, the nonglandular hairs ascending to spreading, tapered, 0.7–1 mm long; taproot not purplish as in most species of the genus. **Leaves:** helically alternate, congested on short internodes at base, simple, sessile, without petioles; blade linear to linear-lanceolate or linear-ob lanceolate, 3–30 × 0.5–1.6 mm, wider but not clasping at base, entire, acute at tip, ascending hirsute. **Inflorescence:** leafy spikelike (racemelike) cyme and axillary, and 1-flowered terminal flower, cymes to 50 cm long, flowers sessile, bracteate, hirsute like shoot; bract ± opposite flower and slightly lower on rachis but some flowers lacking bract, leaflike, narrowly lanceolate to linear-lanceolate, 3–8.5 × 0.5–1.5 mm increasing to 20 mm long in fruit; pedicel < 0.5 mm long. **Flower:** bisexual, radial, 2.3–3 mm across; **calyx** 5-lobed; tube extending from receptacle < 0.2 mm; lobes erect and loosely appressed to corolla tube, barely fused at base, narrowly lanceolate, 1.4–1.8 × 0.4–0.5 mm, ascending-hirsute on outer (lower) surface, glabrous on inner surface; **corolla** trumpet-shaped, 1.7–2.5 mm long; tube cylindrical, 1–1.2 × 0.6 mm, white at base grading upward to light green, yellow below throat; throat 0.5 mm long, flaring to 1 mm diameter at orifice, yellowish at base grading to white at lobes, with intruding appendages at junction of tube and throat, the appendages opposite petal lobes, transverse padlike indentations shallowly 2-lobed, yellow, papillate; lobes spreading, widely obovate to roundish, 0.8–1.1 × 0.8–1 mm, white; **stamens** 5, fused to corolla tube at ca. midpoint, alternate with corolla lobes, included; filaments ca. 1 mm long, compressed side-to-side; anthers dorsifixed, dithecal, oblong, 0.4 × 0.15–0.2 mm, yellow to orange-yellow, longitudinally dehiscent; pollen yellow; **pistil** 1, on a broadly conic to dome-shaped ovary base-receptacle, at anthesis ca. 0.7 mm long; ovary superior, deeply 4-lobed, green, each lobe spheroid and 0.25 mm diameter, each chamber with 1 ovule; style attached to ovary base in center of lobes, at anthesis ca. 1 mm long, slightly flattened, light yellowish; stigma capitate, ca. 2-lobed. **Fruit:** nutlets, 3–4, vertically ovoid but slightly constricted side-to-side approaching tip, 1.1–1.5 × 0.9–1 mm, brownish when mature, with ca. 3–5 longitudinal ridges and 1–4 transverse ridges, the medial ridge prominent on back, keeled from bottom to top or discontinuous at base and continuous across top (to ventral edge), the lateral and transverse ridges less prominent but forming with medial ridge a netlike pattern to midpoint of back and sides, with warty papillae between ridges (sometime papillae fused to form short bumpy ridges), the ventral edge prominently keeled, more elevated toward base; attachment scar at base of ventral edge, circular to ovate. Late January–early May.

Native. Annual, often tiny, starting to flower during late winter, growing in full sun on thin soils, especially in openings of coastal sage scrub, e.g., at SMMNRA Palo Comado-Cheeseboro. *Plagiobothrys collinus* is a variable species, but most of our material matches var. *fulvescens*.

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