

Vascular Plants of Williamson County

Maurandya antirrhiniflora subsp. *antirrhiniflora* – SNAPDRAGONVINE
[Plantaginaceae/Scrophulariaceae]

Maurandya antirrhiniflora Willd. subsp. *antirrhiniflora*, SNAPDRAGONVINE. Perennial vine, twining via petioles, ± taprooted, not rosetted, frequently branching from axillary buds, scrambling over neighboring plants; shoots with only cauline leaves on slender stems, glabrous but leaves with stalked glandular hairs to 0.15 mm long and having colorless heads. **Stems:** cylindrical, to 2 mm diameter, green, internodes flexible, to 20 mm long. **Leaves:** helically alternate (subopposite on lower stems), mostly 3-lobed, petiolate, without stipules; petiole never aging stress and sometimes with to 3 coils around slender plant axis, channeled base-to-tip or channeled only approaching blade, to 19 mm long, green, with ephemeral stalked glandular hairs on upper side at base of petiole (next to axillary bud) and mostly approaching blade; blade deltate to broadly triangular (hastate) or arrow-shaped (sagittate) in outline, (4.5–)6–27 × (4.5–)5–30 mm, subcordate to subtruncate at base, central lobes acute-triangular, basal lobes obtuse-ovate and sometimes with a diminutive lobe, sublobe, or short tooth on trailing edge (base), the lobes with a whitish, deltate point at tip, palmately 3-veined or 5-veined at base but veins not raised, upper surface having stalked glandular hairs mostly ephemeral but some persisting near petiole. **Inflorescence:** solitary flower, axillary while other buds expressed instead as lateral branches; bractlet subtending pedicel = cauline leaf; pedicel widely spreading from base and then strongly curved approaching flower, compressed top-to-bottom at least to midpoint, at anthesis 10–15 mm long increasing to 30 mm long in fruit, green, finally 2-ridged, mostly lacking glandular hairs. **Flower:** bisexual, bilateral, 15–18 mm across; **calyx** 5-lobed, light green, with 5 subequal lobes overlapped at base or sometimes appearing 2-lipped with 2 lobes somewhat fused to 3 mm; tube saucerlike, 1.5–2 mm long, lacking hairs; lobes lanceolate, mostly 10–12.5 × 1.6–2.5 mm, with fine parallel veins from base, outer (lower) surface lacking hairs, inner (upper) surface with scattered, colorless, stalked glandular hairs; **corolla** 2-lipped, 5-lobed, ca. 20 mm long; tube, ca. 2.5 mm long, white, somewhat 5-lobed, orifice ca. 2 mm across (base of ovary), inner surface (also throat) with colorless hairs next to bases of stamens; throat funnel-shaped, 10–13 mm long, to 9 mm across at orifice, in bud pale yellow to pale greenish yellow with faint, fine reddish lines, at anthesis whitish to pale violet having purple-red to violet spots in interrupted lines starting 1/3 above tube, floor uneven (in bud with minor cross ridges) becoming inflexed upward to the palate formed by the lower lip, internally on floor sparsely glandular-hairy to midpoint and having scattered nonglandular hairs above midpoint; upper lip 2-lobed, lobes ascending, lobes rounded to obtuse-broadly ovate, ca. 5.5–7 × 6–7 mm, upper surface blue to violet-blue and lower surface paler; lower lip 3-lobed, lobes with some floor tissue reflexed somewhat backward, obtuse-broadly ovate, reflexed floor tissue yellowish with scattered stalked glandular hairs and lobes blue to violet-blue; **stamens** 4 in 2 pairs, center pair arching to floor and shorter outer stamens straighter and above floor, attached at top of corolla tube with base decurrent to base of corolla; filaments 12–13 mm long (longer central stamens) and ca. 10 mm long (lateral stamens), white with colorless hairs around the thickened bases and stalked glandular hairs approaching anthers; anthers dorsifixed, horseshoe-shaped, diverging sacs 2 mm long (central stamens) and ca. 1.5 mm long (lateral stamens), pale cream-colored, longitudinally

dehiscent; pollen colorless; **nectary disc** surrounding base of ovary, ca. 0.4 mm long, green, producing thin nectar; **pistil** 1; ovary superior, domelike, 1.6–2 × 1.7–2 mm, somewhat glossy light green, lacking hairs, 2-chambered, each chamber with many ovules attached to center; style cylindric, 11–13 mm long, pale green or aging darker, lacking hairs, stigma oblique at tip, convex, translucent. **Fruit:** capsule, 2-chambered rupturing on valves, many-seeded, spheroid, 5–6 × 5–6.5 mm + angled persistent beak (style) 2–3.3 mm long, valves tan; calyx lobes appressed to fruit, papery, narrowly lanceolate, 10–13 mm long, often 9-veined at lobe base with veins raised. **Seed:** appearing loglike, 1–1.3 × 0.8–1 mm, dull brown, somewhat truncate on top or bottom or both, having corky wings covered with stacks of bladderlike projections, minutely pitted and with erect minute hairs.

A. C. Gibson