

1. *Dicliptera chinensis* (L.) Juss.

[*Justicia chinensis* L.]

(nat)

Sprawling or decumbent perennial herbs; stems 2–7 dm long. Leaves green, lower surface slightly paler, ovate, 2.5–13.5 cm long, sparsely strigillose, especially on the veins, cystoliths prominent on upper surface as white raised streaks the size of the hairs, petioles 1–3.5 cm long. Flowers in axillary cymes, each one subtended by 2 green, ovate bracts of unequal size, the larger one ca. 12–14 mm long, the smaller one ca. 8–9 mm long, all bracts short-vil-

lous especially along the margins, the veins inconspicuous, pedicels 0–1 mm long; calyx lobes of unequal size, 5–7 mm long; corolla rose to purple, the throat with purple spots, 5–13 mm long. Capsules ovoid, 6–7 mm long, short-villous. Seeds 4, discoid. Native to tropical areas worldwide; in Hawai‘i naturalized primarily in or near urban areas, at least on Kaua‘i and O‘ahu, but perhaps more widespread. Pope (1929) states that this plant was recently introduced to Hawai‘i. First naturalized collection made on O‘ahu in 1942 (*Caum s.n.*, BISH).—*Plate 1.*

1. *Ruellia brittoniana* E. Leonard

(nat)

Erect perennial herbs; lower stems sometimes becoming somewhat woody, 0.5–1 m long. Leaves linear-elliptic to linear-lanceolate, 8–22 cm long, 0.8–1.5 cm wide, glabrate, petioles 10–24 mm long. Flowers in cymose panicles, each flower subtended by 2 linear bracts 3–7 mm long; calyx lobes 5, linear, 8–12 mm long; corolla lavender, the throat purple, 4–4.5 cm long. Capsules ellipsoid, 2–2.5 cm long, glabrous. [$2n = 34$.] Native to Mexico; in Hawai'i cultivated as an ornamental but easily escaping, now naturalized and often found in dry habitats such as cracks in sidewalks and disturbed, shaded gulch bottoms, on Midway Atoll, Kaua'i, and O'ahu. First collected on O'ahu in 1930 (*St. John 10515*, BISH).—*Plate 2*.

This species is sometimes confused with *Ruellia malacosperma* Greenm., which does not occur in Hawai'i, and differs from *R. brittoniana* in having shorter lanceolate leaves and pilose pubescence.