WEEDS OF GUAM

Ruellia nudiflora

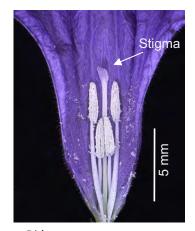
Weed #A2023-1 Acanthaceae



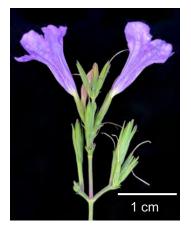


Patch of Ruellia nudiflora along roadside

Corolla 5-lobed, mauve to bluish purple



Didynamous stamens and style



Terminal inflorescence



Opposite leaves and a node with an axillary inflorescence

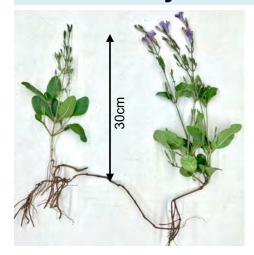
SCIENTIFIC NAME:	Ruellia nudiflora (Engelm. & A.Gray) Urb. (Manzitto-Tripp, E. A. and T. Daniel., 2023).
COMMON NAME:	Violet Ruellia, Common Wild Petunia, Violet Wild Petunia.
SYNONYMS:	Cryphiacanthus tubiflorus Oerst., Dipteracanthus nudiflorus Engelm. & A.Gray, Ruellia davisiorum Tharp & F.A.Barkley, Ruellia glabrata Wall., Ruellia gooddingiana A.Nelson, Ruellia strictopaniculata Tharp & F.A.Barkley, Ruellia yucatana (Leonard) Tharp & F.A.Barkley, etc.
ORIGIN:	Southern USA.

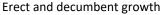
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Ruellia nudiflora

Weed #A2023-1





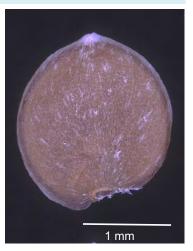


Capsule opens at maturity, seeds released



Seeds

Seedlings (18-day old)



Close-up of seed

FORM:	Erect herb.
ROOT:	Basal rhizome with fibrous roots, and occasionally adventitious roots are produced in decumbent branches where nodes touch the ground.
STEM:	Quadrangular, green to greyish green, young stems pubescent.
LEAVES:	Simple, green to dark green, blade ovate to elliptic, apex acute to rounded, margin undulate to approximately entire, surface often pubescent, densest along veins; oppositely arranged.
INFLORESCENCE:	A (dominating) terminal thyrse with a few axillary dichasial cymes (3-flowered or often 1 flower with two underdeveloped flower buds).
FLOWER:	Calyx : 5-lobed, filiform, pubescent with broad curly glossy hairs; corolla : mauve to bluish purple, 5-lobed, lobes elliptic or broadly, 2.5-4 cm in length, corolla tube narrowly funnel shaped; stamens : 4, white, included in throat, strongly didynamous, anthers not or barely overlapping, filaments fused at base then separate; style : white to purple. Flowers in both wet and dry seasons in Guam, only lasts one day.
FRUIT:	Spindle-shaped capsule, 1.6-2.0 cm long, encircled by persistent sepals, green at first changing to brownish; explosive dehiscence, capable of spreading seeds distantly; containing 7-15 seeds.
SEED:	Orbicular and pointed at one end, brown, pubescent with extremely hygroscopic hairs.
HABITAT:	Occur in roadsides and disturbed fields.
PROPOGATION:	Seeds, stem cuttings, plant division
USES:	Roots and leaves can be used medicinally.
MISCELLANEOUS:	An invasive weed with rapid seed disperal in a habitat.

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