



# Flora of North America

Emorya (Scrophulariaceae)  
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- X. EMORYA Torrey in W. H. Emory, Rep. U.S. Mex. Bound. 2(1): 121, plate 36. 1859 \*  
Emory bush [For William H. Emory, 1811--1877, commander of Texas-Mexico boundary survey]

Eliane Meyer Norman

**Shrubs**; stolons absent. **Stems** erect, appressed-tomentulose. **Leaves** persistent, cauline, opposite, decussate, subcoriaceous, more rarely membranous; stipular lines present; petiole present; blade margins sinuate-dentate. **Inflorescences** terminal or subterminal, thyrse-like; bracts present. **Pedicels** present; bracteoles present. **Flowers** bisexual; sepals 4, calyx radially symmetric, tubular, lobes linear-subulate; petals 4, corolla yellow or greenish yellowish, radially symmetric, long-tubular, abaxial lobes 2, adaxial lobes 2; stamens 4, adnate to sinus or medially in tube, equal, filaments glabrous, staminode 0; ovary 2-locular, placentation axile; stigma subglobose. **Capsules** symmetric, narrowly ovoid, dehiscence septical for 1/2 their lengths, loculicidal distally. **Seeds** 100--150 per capsule, yellowish brown, lingulate, margins winged at both ends and along one side.  $x = 19$ .

Species 2 (1 in the flora): Texas, n Mexico.

*Emorya rinconensis* Mayfield is endemic to Coahuila, Mexico.

SELECTED REFERENCE Norman, E. M. and R. J. Moore. 1968. Notes on *Emorya* (Loganiaceae). SouthW. Naturalist 13: 137--142.

1. *Emorya suaveolens* Torrey in W. H. Emory, Rep. U.S. Mex. Bound. 2(1): 121, plate 36. 1859 F

**Shrubs** to 2 m, older branches terete, younger ones subquadrangular. **Stems** with splitting grayish or light brown bark, much-branched, young branches appressed-tomentulose. **Leaves**: petiole 0.5--1 cm; blade ovate-deltate, 2--7 x 1.3--4 cm, base hastate, margins irregularly cleft, slightly revolute, apex acute or obtuse, appressed stellate-tomentose abaxially, glabrescent adaxially. **Inflorescences**: cyme-bearing nodes 3--5, 5--12 cm, cymes 2 per node, subtended by small leaves proximally; peduncle 0.3--1 cm; bracteoles 1--3, linear. **Pedicels** 2--5 mm. **Flowers** slightly fragrant; calyx tomentulose externally, tube slightly expanded distal to middle, 5--7 mm, lobes marcescent, 4--6 mm, as long as tube; corolla slightly puberulent externally, glabrous internally, tube 30--35 mm, 2--3 mm diam. at base, 4--5 mm in distal 1/2, lobes +/- erect, rounded or obtuse, 2.5--5 x 3--4 mm; filaments attached dorsally on anthers, flat, 1.5--2 cm, anthers slightly exerted or included, dehiscing laterally, 2--2.5 x 1 mm, apex slightly mucronate; locules divergent basally; ovary conical, 5--7 mm, smooth at base, tomentulose; style filiform, 2.5--3 cm, exerted beyond stamens, puberulent near base, stigma 0.5--0.6 mm. **Capsules** 10--12 x 3--4 mm, puberulent with stellate and glandular hairs. **Seeds** 2--2.5 x 0.45--0.7 mm; testa strongly appressed to endothelium.  $2n = 38$ .

Flowering Jun--Oct; fruiting Jul--Nov. Limestone cliffs or canyons in chaparral with *Juniperus*, *Quercus intricata*, *Fraxinus gregii*, *Acacia berlandieri*, and *Nolina*; 600--700 m; Tex.; Mexico (Coahuila, Nuevo León).

The exact location where Parry collected the type material for *Emorya suaveolens* is not known. Torrey indicated "Cañons of the Rio Grande, below Presidio del Norte." The label on the isotype at MO (C. C. Parry s.n., Oct. 1852) reads "Rio Grande, above Pecos." Parry was with Chandler's party, which traveled by boat from Presidio del Norte to Eagle Pass in the fall of 1852. I believe that all of Parry's collections of *Emorya* are from one locality. Based on available collections from the area through which he traveled, the most likely locations are the canyons of Boquillas, Maravillas, or San Vincente.

In Mexico, *Emorya suaveolens* occurs at elevations to 2400 m.