

A NEW SPECIES OF *PECTIS* (ASTERACEAE, TAGETEAE) FROM SONORA,
MEXICO

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ABSTRACT

A new species, *Pectis vandevenderi* B.L. Turner, is described and illustrated from Mpio. de Yecora, Sonora, México. It is clearly related to *P. barberi* but differs in having mostly broader less pustulate leaves, shorter peduncles, and heteromorphic achenes.

KEY WORDS: Asteraceae, Tageteae, *Pectis*, México, Sonora, systematics

Routine identification of Mexican Asteraceae has revealed the following novelty.

PECTIS VANDEVENDERI B.L. Turner, *spec. nov.* Figure 1. TYPE: MEXICO. Sonora: Mpio. de Yecora, Los Pilares, Arroyo Los Pilares (28° 23' N, 108° 47' 30" W), ca. 23 km E of Yecora, 1260 m, "common annual on base bedrock surface", 8 Sep 1995, *T.R. Van Devender 95-919* (HOLOTYPE: TEX!).

Similis *P. barberi* Greenm. sed pedunculis 2-4 cm longis (vice 5-12 cm longis), achenibus discorum et radiorum similaribus (vice heteromorphorum).

Annual herbs 5-6 cm high. Stems glabrous, arising from delicate taproots. Leaves mostly basal, glabrous, the scapes 2-4 times as long as the basal clusters; petioles 1-6 mm long, ciliate with 3-5 pairs of basal cilia 2-3 mm long; blades elliptical to obovate, 1-2 cm long, 0.3-0.5 cm wide, weakly 3-nervate, the margins bearing 3-6 pairs of pustulate glands. Scapes 2-5 cm long, glabrous, bracteate with 1 or more linear-lanceolate scales 1-2 mm long. Heads single to a scape, the apices of the latter somewhat swollen. Involucres turbinate to turbocampanulate, 4-5 mm high; bracts ca. 8, purplish, glabrous, bearing 2-5 pustulate glands, mostly above the middle, the apices scarious, obtuse or rounded. Receptacles hemispheric, 3.0-3.5 mm across, 2.0-2.5 mm high, pock-marked after the achenes detach, or alveolate, the ridges

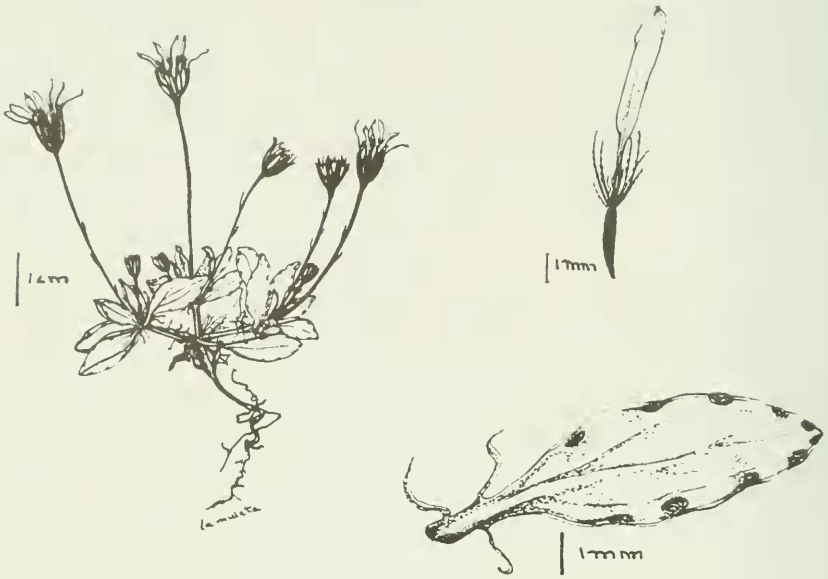


Figure 1. *Pectis vandevenderi*, from holotype: upper right, ray floret; lower right, leaf.

pubescent. Ray florets 8, yellow, pistillate; tubes 2-5 mm long, scabridulous; ligules ca. 5 mm long, 2 mm wide. Disk florets 20-30; corollas ca. 4 mm long, yellow, the lobes ca. 1 mm long. Ray and disk achenes similar, puberulent, 2.5-3.0 mm long, both surmounted by a pappus of 20-30 uneven scabridulous bristles 1-4 mm long.

Pectis vandevendertii is closely related to *P. barberi* but differs from it in having mostly broader, more elliptical leaves with fewer marginal pustules (3-6 pairs vs. 8-15 pairs), shorter peduncles (2-4 cm long vs. 5-12 cm long), the disk and ray achenes having a similar pappus with numerous bristles (vs. ray and disk achenes differing as to pappus).

The species is named for Thomas R. Van Devender, well known expert on packrat middens, and current compiler of the vascular plants of the Río Mayo, Sonora.

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