

## A NEW SPECIES OF *LAENNECIA* (ASTERACEAE: ASTEREAEE) FROM CHIHUAHUA, MÉXICO

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### ABSTRACT

A new species, *Laennecia pimana* Nesom & Laferrière, is described. It apparently is narrowly endemic to the Sierra Madre Occidental of west central Chihuahua, México, and is most closely related to two other endemics of the same region, *Erigeron* (*Laennecia*) *eriophyllus* A. Gray and an as yet undescribed species of *Laennecia*. *Laennecia pimana* differs from these species by its eligulate pistillate corollas.

### RESUMEN

Una nueva especie, *Laennecia pimana* Nesom & Laferrière, se describe. Posee una distribución muy restringida en la Sierra Madre Occidental del oeste de Chihuahua, México, y está más emparentada con otras especies endémicas de la misma región, *Erigeron* (*Laennecia*) *eriophyllus* A. Gray y una otra nueva especie de *Laennecia*. *Laennecia pimana* se diferencia de las anteriores por las corolas pistiladas eliguladas.

KEY WORDS: *Laennecia*, *Erigeron*, *Conyza*, Astereae, Asteraceae, México, Chihuahua.

Intensive collecting by the second author in west central Chihuahua has brought to light a previously undescribed species of *Laennecia*. The new species proposed here joins *Erigeron eriophyllus* A. Gray, which occurs from southern Arizona to eastern Chihuahua, and an undescribed species (a narrow endemic from west central Chihuahua), to form a trio of related species restricted in distribution primarily to northwestern México. Transfer of *E. eriophyllus* to *Laennecia*, description of the other new species, and the taxonomy of *Laennecia*, along with the rationale for considering it as a genus separate from *Conyza* are presented in a separate paper (Nesom 1990).



***Laennecia pimana*** Nesom & Laferrière, *sp. nov.* TYPE: MÉXICO. Chihuahua: Mpio. Temosachic, 1 km E of Nabogame, 28° 30' N, 108° 30' W, pine-oak forest, 1800 m, 28 Oct 1988, *J.E. Laferrière 2216* (HOLOTYPE: TEX; Isotype: MEXU)

*Erigeron eriophyllus* A. Gray similis vestimento lanato eglanduloso, foliis non-amplexicaulibus, et acheniis costis crassis; differt a *E. eriophyllus* foliis integris, acheniis glandulosis sed aliter glabris, pappo manifeste biserialis et corollis pistillatis sine ligulis.

Short lived perennials 45 cm tall, from a taproot. Stems, leaves and phyllaries gray lanose, eglandular, upper leaf surfaces equally as pubescent as the lower. Leaves narrowly oblong, sessile, entire, 15-25 mm long, 2.5-4.0 mm wide, barely if at all reduced in size upward. Heads 6-7 mm wide (pressed), in a few headed, spike like panicle, on peduncles 5-15 mm long; phyllaries purplish, narrowly triangular, in 3-4 slightly graduated series, the innermost 6-7 mm long, the inner with a herbaceous midregion extending to the base or nearly so, the margins indurated-hyaline. Pistillate corollas 2.5-3.0 mm long, tubular-filiform, eligulate, apically fimbriate, much shorter than the style and style branches. Disc corollas slightly pubescent on the throat, eglandular, 4.3-5.0 mm long, the tube 3.0-3.5 mm long, ampliate immediately below the insertion of the lobes, the lobes 0.8-1.0 mm long, narrowly triangular-lanceolate, spreading-recurved. Achenes obovate, 1.9-2.2 mm long, 0.8-1.0 mm wide, strongly flattened, the faces tan, glabrous except for a few, but prominent, sessile, resin glands near the apex, completely ringed by a thick, white rib; pappus of 33-39 slender, barbellate bristles 3.8-4.5 mm long, with an outer series of setae or bristles 0.3-0.5 mm long. Chromosome number unknown.

Known only from the type collection.

*Laennecia pimana* is named for the Mountain Pima inhabitants of the Sierra Madre. It is similar to *Erigeron eriophyllus* and the undescribed species in its lanose, eglandular vestiture, nonclasping leaves and thick ribbed achenes, but it is different from both in its eligulate pistillate corollas. It differs from *E. eriophyllus* in its entire leaves, apically glandular but otherwise glabrous achenes and prominently biseriate pappus. It differs from the undescribed species in its smaller achenes and pappus of fewer bristles.

The type locality is a mixed pine-oak forest dominated by *Pinus engelmannii* Carr., *Quercus chihuahuensis* Trel. and *Q. viminea* Trel. Typical plants of *Erigeron eriophyllus* (A. Gray) Nesom (*Laferrière 1570*, ARIZ) have been collected in the immediate vicinity.



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