

**AGERATINA MARKPORTERI (ASTERACEAE:  
EUPATORIEAE), A NEW SPECIES  
FROM OAXACA, MEXICO**

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**ABSTRACT**

A new taxon, ***Ageratina markporteri*** B.L. Turner, **sp. nov.** is described from northwestern Oaxaca, this previously identified as *A. yaharana* B.L. Turner, a species of south-central Guerrero. The novelty reportedly grows (at the type locality) in gypsum soils, and is readily recognized by its broadly ovate leaves, the undersurfaces minutely reticulate-veined and ornamented with numerous golden globules. A photograph of the type is provided, along with a map showing distributions of the two taxa concerned. *Phytologia* 94(3): 456-458 (December 1, 2012).

**KEY WORDS:** Asteraceae, Eupatorieae, Mexico, Oaxaca, *Ageratina*, *A. yaharana*

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Preoccupation with the identification of the comps of Mexico has occasioned the present paper.

**AGERATINA MARKPORTERI** B.L. Turner, **sp. nov.** **Fig. 1**

Resembling *A. yaharana* but the leaves broadly ovate (vs ovate-deltoid to subcordate), blades longer than wide (vs as wide as long or more), having 5 principal nerves (vs 3).

**Suffruticose herbs, or shrublets**, mostly 1.0-1.5 m high. **Stems** (upper), minutely appressed pubescent. **Leaves** (upper), 3-7 cm long, 2-5 cm wide; petioles 1.5-3.0 cm long; blades broadly ovate, sparingly pubescent above, markedly minutely reticulate veined beneath and



endowed with numerous golden globules, 3-nervate from the base or somewhat above, the margins entire or nearly so. **Capitulescence** a broad rounded cymose panicle of 10-40 heads, the ultimate peduncles 1-5 mm long. **Heads**, 7-8 mm high, 4-5 mm wide; receptacle plane, ca 1 mm across, glabrous; involucral bracts 2-3 seriate, the innermost 3-4 mm long, ca 1 mm wide. **Florets** 10-20 per head; corollas white to pinkish-white, 4-5 mm long, the lobes glabrous, ca 0.75 mm long. **Achenes** ca 2 mm long, sparingly pubescent; pappus of ca 30 persistent bristles 4 mm long.

TYPE: **MEXICO. OAXACA: Distr. Nochixtlan**, "along Mexico Hwy 190 libre, 16 km N of the junction of 190 cuota and 190 libre at Nochixtlan;" 17 32.266 N, 97 21.449 W, ca 2230 m, "Large gypsum outcrop." 13 Dec 2005, *J. Mark Porter 14548* [with V. Steinmann] (Holotype TEX; isotype RSA).

ADDITIONAL SPECIMENS EXAMINED: **MEXICO. OAXACA: Distr. Huajuapán, Mpio. Santo Domingo Tonala**, Paraje "Amates Amarillos," ca 1634 m, 15/10/08, *Hernandez (ATH) 525 (TEX)*; Paraje "Barranca del Limoncillo," ca 1588 m, 30/10/08, *Hernandez (ATH) 682 (TEX)*. Paraje "Canon del Boqueron," ca 1347 m, 10/10/08, *Perez (LAH) 511 (TEX)*; Paraje "Palo de Flor," 1698 m, *Perez (LAH) 774 (TEX)*.

In my treatment of the Eupatorieae for Mexico, the novelty will key to or near *A. rubricaulis* (HBK) King & Rob., much as the subsequently named name *Ageratina yaharana* B.L. Turner (Turner 2008), to which I had originally assigned the Nochixtlan collections cited above. Recent acquisitions from elsewhere (the type!) led me to reconsider such identification, hence the present paper.

The original publication of *A. yaharana* is reproduced below; unfortunately the type locality of that taxon was omitted in my descriptive account, but accounted for on the photograph of the Type itself (Fig. 7), hence I reckon the name appropriately published, although a few nomenclatural pundits thought otherwise (pers. comm.).



The species is named for its earliest collector (known to me), Dr. Mark Porter, well known plant systematist, long associated with Rancho Santa Ana Botanical Gardens, Claremont, California.

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### LITERATURE CITED

- Turner, B.L. 1997. *Ageratina*, in The Comps of Mexico, Eupatorieae, Phytologia Memoirs 11: 10-50.
- Turner, B.L. 2008. Seven new species of *Ageratina* (Asteraceae: Eupatorieae) from Mexico. Phytologia 90: 358-374.

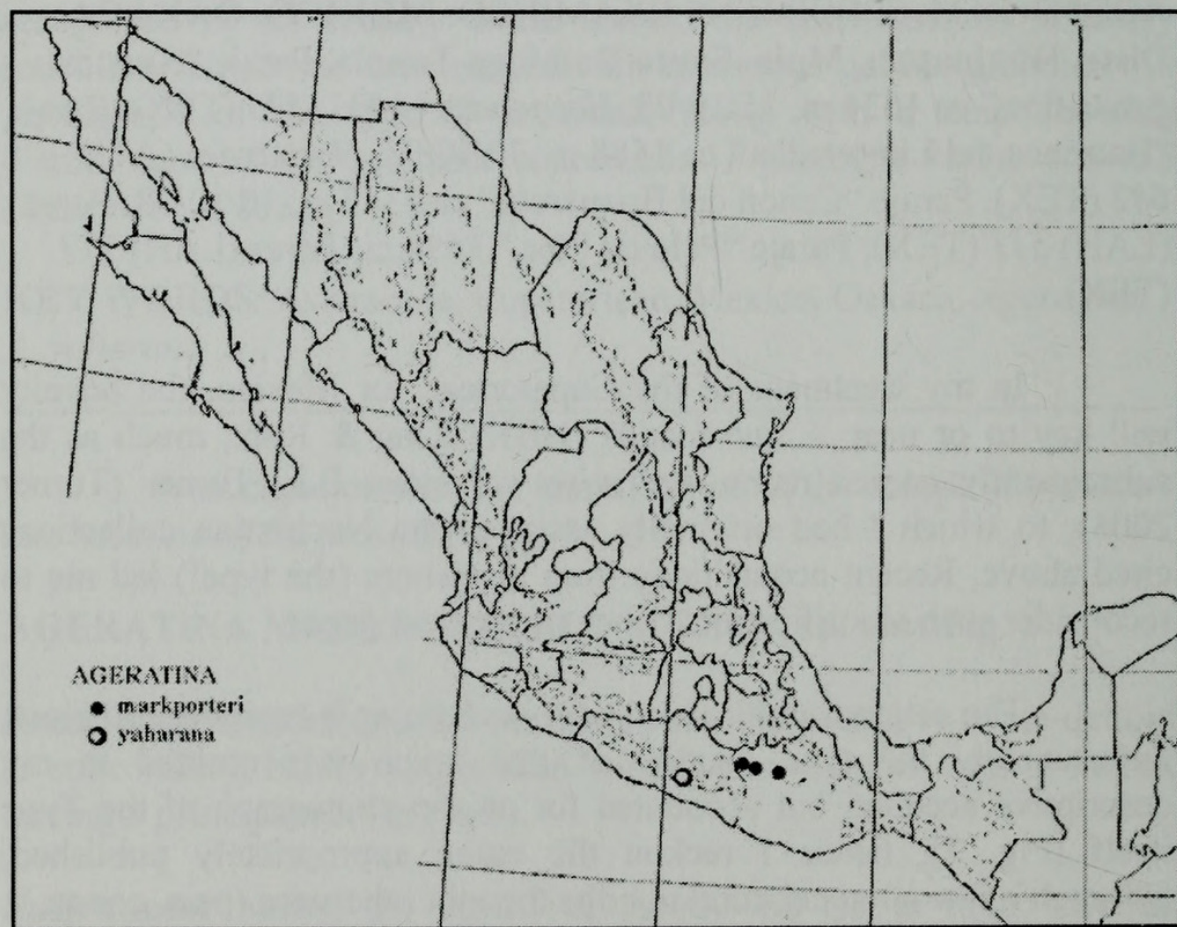


Figure 1. Distributions of *Ageratina markporteri* and *A. yaharana*.



Turner, B. L. 2012. "Ageratina markporteri (Asteraceae: Eupatorieae), a new species from Oaxaca, Mexico." *Phytologia* 94, 456–458.

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