

ARIZONA GAME AND FISH DEPARTMENT  
HERITAGE DATA MANAGEMENT SYSTEM

Plant Abstract

Element Code: PDVERONOP0

Data Sensitivity: No

**CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE**

**NAME:** *Verbena pinetorum*

**COMMON NAME:** Chihuahua Vervain

**SYNONYMS:**

**FAMILY:** Verbenaceae

**AUTHOR, PLACE OF PUBLICATION:** Moldenke, Phytologia 2(1): 27-28. 1941.

**TYPE LOCALITY:**

**TYPE SPECIMEN:** HT: Herb. F. Shreve. H.S. entry 1522.

**TAXONOMIC UNIQUENESS:** The species *pinetorum* is 1 of 45 in the genus *Verbena*. It is considered to be very similar to *Verbena neomexicanum* and any determination of a plant as this species is a judgment call. (P. Jenkins, ARIZ Herbarium Curator).

**DESCRIPTION:** Herbaceous perennial with relatively large flowers, the lobes spreading half an inch or more. The corolla tube much surpassing the calyx, the limb up to 15 mm wide. The plants are erect, with more or less lanceolate leaves, pinnately cleft. Nutlets are glabrous on inner surface.

For the species: ...“flowers sessile, in elongate spikes, these often forming panicles, or in short, headlike clusters; corolla salverform, the tube often curved; stamens included; style slender, 2-lobed at apex, with 1 lobe stigmatic and the other smooth; nutlets normally 4” (Kearney & Peebles, 1951).

**AIDS TO IDENTIFICATION:**

**ILLUSTRATIONS:** Color photo of ASU-138178 collection (in SEINet, accessed 2004).

**TOTAL RANGE:** Southeastern Arizona and Chihuahua, Mexico.

**RANGE WITHIN ARIZONA:** Southeastern Arizona. Collected in the Sierrita Mountains in Pima County.

**SPECIES BIOLOGY AND POPULATION TRENDS**

**GROWTH FORM:** Perennial forb/herb.

**PHENOLOGY:**

**BIOLOGY:**

**HABITAT:** Pine flats in Mexico.

**ELEVATION:** In Arizona, collected at 6,100 feet (1860 m).

**EXPOSURE:**

**SUBSTRATE:**

**PLANT COMMUNITY:** Associated species at collection site in Pima County include: *Juniperus* (juniper), *Quercus* (oak), and various grasses.

**POPULATION HISTORY AND TRENDS:** Unknown

**SPECIES PROTECTION AND CONSERVATION**

**ENDANGERED SPECIES ACT STATUS:** None

**STATE STATUS:** None

**OTHER STATUS:** None

**MANAGEMENT FACTORS:**

**PROTECTIVE MEASURES TAKEN:**

**SUGGESTED PROJECTS:** Studies to determine life history factors, population status, distribution range, and resolve taxonomic issues need to be performed.

**LAND MANAGEMENT/OWNERSHIP:** BLM - Safford Field Office.

**SOURCES OF FURTHER INFORMATION**

**REFERENCES:**

Kearney, T.H., R.H. Peebles with collaborators. 1951. Arizona flora. Second edition with

supplement by J.T. Howell, E. McClintock and collaborators. 1960. University of California Press. Berkeley, California. p. 728.

Missouri Botanical Garden – TROPICOS, Nomenclatural Data Base. *Verbena pinetorum* Moldenke. [http://mobot.mobot.org/cgi-bin/search\\_vast](http://mobot.mobot.org/cgi-bin/search_vast). Accessed: 2 Dec 2004.

NatureServe. 2004. An online encyclopedia of life [web application]. Version 3.1. Arlington, Virginia, USA: NatureServe. Available: <http://www.natureserve.org/explorer>. (Accessed: August 12, 2004).

Rickett, H.W. 1970. Wild Flowers of the United States. McGraw-Hill Book Company. New York, New York. Pp: 540.

SEINet. Collections Search Result. Accessed 12/2/2004 at <http://seinet.asu.edu/collections/list.jsp>.

USDA, NRCS. 2004. The PLANTS Database, Version 3.5 (<http://plants.usda.gov>). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.

#### MAJOR KNOWLEDGEABLE INDIVIDUALS:

#### ADDITIONAL INFORMATION:

**Revised:** 2004-09-02 (AMS)  
2004-12-09 (SMS)

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