

ARIZONA GAME AND FISH DEPARTMENT  
HERITAGE DATA MANAGEMENT SYSTEM

Plant Abstract

Element Code: PDVIS03030

Data Sensitivity: No

**CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE**

NAME: *Arceuthobium apachecum*

COMMON NAME: Apache Dwarf Mistletoe

SYNONYMS:

FAMILY: Viscaceae

AUTHOR, PLACE OF PUBLICATION: Hawksworth and Wiens. Brittonia 22:(3)266. 1970.

TYPE LOCALITY: Near the summit of Mt. Lemmon, Pima Co., 9,100 ft.

TYPE SPECIMEN: ARIZ. Hawksworth, Lightle, and Gilbertson 1110. 13 Sept 1968.

TAXONOMIC UNIQUENESS:

DESCRIPTION: Plants without chlorophyll, parasitic only on conifers; leaves reduced to scales. Shoots 3.0-4.0 (7.0) cm (1.2-1.6 (2.8) in.) long, shoots yellowish in color and densely clustered around host branch. Lateral staminate spikes in summer 6.0 x 1.0 mm (0.24 x 0.04 in.). Consistent witches' brooms.

AIDS TO IDENTIFICATION: Known to parasitize only *Pinus strobiformis*.

ILLUSTRATIONS: Line drawings of staminate plant, flower, pistillate plant and mature fruit (Hawksworth and Wiens 1972:102)

TOTAL RANGE: Southern Arizona, southern New Mexico and in northern Coahuila, Mexico.

RANGE WITHIN ARIZONA: Chiricahua, Graham, Santa Catalina and Rincon ranges in southern Arizona

**SPECIES BIOLOGY AND POPULATION TRENDS**

GROWTH FORM:

PHENOLOGY: September

**BIOLOGY:**

**HABITAT:**

**ELEVATION:** 5,000 to 9,000 ft.

**EXPOSURE:**

**SUBSTRATE:**

**PLANT COMMUNITY:** Coniferous forests.

**POPULATION TRENDS:**

**SPECIES PROTECTION AND CONSERVATION**

**ENDANGERED SPECIES ACT STATUS:**

**STATE STATUS:**

**OTHER STATUS:**

**MANAGEMENT FACTORS:**

**PROTECTIVE MEASURES:**

**SUGGESTED PROJECTS:**

**LAND MANAGEMENT/OWNERSHIP:**

**SOURCES OF FURTHER INFORMATION**

**LITERATURE CITATIONS:**

- Fletcher, R. 1978. *Arceuthobium apachecum*. Status report for U.S. Forest Service.
- Hawksworth, F.G. and D. Wiens. 1982. Biology and classification of dwarf mistletoes (*Arceuthobium*). Agriculture Handbook No. 401. U.S. Department of Agriculture. Forest Service. pp.101-103.
- Kearney, T.H., R.H. Peebles with collaborators. 1960. Arizona flora. Second edition with supplement by J.T. Howell, E. McClintock and collaborators. University of California Press, Berkeley. p. 225.
- Lehr. 1978. A catalogue of the flora of Arizona. Desert Botanical Garden, Phoenix, Arizona. p. 39.

**MAJOR KNOWLEDGEABLE INDIVIDUALS:**

**ADDITIONAL INFORMATION:**

**Revised:** 1989-11-09 (ANHP)  
1991-10-20 (BKP)  
1994-09-09 (DBI)

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