

**ARIZONA GAME AND FISH DEPARTMENT
HERITAGE DATA MANAGEMENT SYSTEM**

Plant Abstract

Element Code: PDASTDM010

Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Leibnitzia lyrata*
COMMON NAME: Woodland Sunbonnets
SYNONYMS: *Chaptalia seemannii*
FAMILY: Asteraceae

AUTHOR, PLACE OF PUBLICATION: A.Burkart, Darwiniana 6:505-594.

TYPE LOCALITY:

TYPE SPECIMEN:

TAXONOMIC UNIQUENESS: Two species of *Leibnitzia* within Arizona.

DESCRIPTION: Perennial herb from simple caudex. Leaves elliptic to obovate or oblanceolate, those of spring-flowering plants appearing after or concurrently with the first flowers, 3-19 cm long, 1.7-2.8 cm. wide, with 5-9 pairs of shallow, dentate or retrose serrate, mucronulate lobes or teeth. Mature stems 8-51 cm tall, often noticeably thickened under heads with 5-10 lanceolate to linear bracts 5-27 mm long. Heads 1 per set, 1-4 per plant, erect in bud; involucre turbinate, composed of phyllaries in 3-4 imbricated series; phyllaries lanceolate, lightly tomentose to glabrous, usually with strongly differentiated, glabrous mid-region; innermost 9.0-20.0 mm long, 2.0-2.8 mm wide, outer 1/2-1/2 as long as inner. Flowers trimorphic, all with fertile ovaries, usually either the pistillate ligulate flowers or the pistillate eligulate flowers absent in a single head, the outer pistillate flowers ligulate, bilabiate with the inner lip deeply cleft, drying white to purplish, 5-7 nerved, 9.5-13.5 mm long, 0.6-2.1 mm wide, style branches 0.4-0.8 mm long; inner pistillate flowers tubular and eligulate or with a filiform ligule; sometimes bilabiate with a cleft inner lip; hermaphroditic flowers with strongly bilabiate corollas or those of the cleistogamous heads much narrower and nearly regular with very short lobes, white to cream-colored, lobes often tinged with pink or purple, 5.5-8.2 mm long; 0.13-0.8 mm wide, style branches 0.3-0.5 mm long. Achenes fusiform 6.0-10.00 mm long, 1.0-1.3 mm wide with only slightly constricted area near apex or with relatively broad beak 1/5-1/3 as long as achene, tan with 8 lighter colored nerves, densely pubescent over entire surface with long, sharp-pointed duplex trichomes, pappus bristles 7-13 mm long, equalling or longer than the disc corollas.

AIDS TO IDENTIFICATION:

ILLUSTRATIONS:

TOTAL RANGE: East-central and southeastern Arizona and southwestern New Mexico into northern Mexico and south to Guatemala.

RANGE WITHIN ARIZONA: East-central and southeastern part of state.

SPECIES BIOLOGY AND POPULATION TRENDS

GROWTH FORM: Herbaceous perennial

PHENOLOGY: Jan-June

BIOLOGY:

HABITAT: Open, xeric vegetation to semi-tropical vegetation.

ELEVATION: 6500-8500 ft. (In Mexico to 11,600 ft.)

EXPOSURE:

SUBSTRATE:

PLANT COMMUNITY: Pine, mixed conifer forests

POPULATION TRENDS:

SPECIES PROTECTION AND CONSERVATION

ENDANGERED SPECIES ACT STATUS:

STATE STATUS:

OTHER STATUS:

MANAGEMENT FACTORS: Recreation, grazing and logging impacts.

PROTECTIVE MEASURES TAKEN:

SUGGESTED PROJECTS: Evaluation of above listed impacts.

LAND MANAGEMENT/OWNERSHIP:

SOURCES OF FURTHER INFORMATION**LITERATURE CITATIONS:**

Arizona Natural Heritage Program. 1981. *Chaptalia seemannii* (Woodland Sunbonnets).
USFS Contract Report, AZNHP, Tucson, Arizona.
Nesom, G. In press: Flora of the Chihuahan Desert Region by A. Johnston and J.
Hendrickson.

MAJOR KNOWLEDGEABLE INDIVIDUALS:**ADDITIONAL INFORMATION:**

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