

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

Plant Abstract

Element Code: PDAST8H274
Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Packera neomexicana* var. *toumey* (Greene) D.K. Trock & T.M. Barkl.
COMMON NAME: Toumey groundsel
SYNONYMS: *Senecio neomexicanus* var. *toumey* (Greene) T.M. Barkley, *Senecio toumey* Greene.
FAMILY: Asteraceae

AUTHOR, PLACE OF PUBLICATION: *Packera neomexicana* var. *toumey* (Greene) D.K. Trock & T.M. Barkl, SIDA, Contributions to Botany (1998). 385-387. *Senecio neomexicanus* var. *toumey* (Greene) T.M. Barkley, North Amer. Flora Series 2, 10: 91. 1978. *Senecio toumey* Greene, Pittonia 3: 349. 1898.

TYPE LOCALITY: Arizona: Chiricahua Mountains. Toumey in 1896.

TYPE SPECIMEN: HT: ND-G. Toumey s.n., no date.

TAXONOMIC UNIQUENESS: Between 2,000 and 3,000 species of this genus found worldwide, approximately 120 taxa in temperate North America, about 26 species in Arizona. Epple (1995) reports 24 species of *Senecio* in Arizona.; *P. neomexicanus* is one of the most widely distributed and abundant. The var. *toumey* is generally found at higher elevations in the Chiricahua and Pinal mountains than var. *metcalfei* or *mutabilis*. Kartesz (1998, in NatureServe 2004), "considers it questionably distinct taxonomically".

DESCRIPTION: Herbaceous perennial, 2-4(0.5-7) dm (8-16[2-28] in) tall, with a single stem or loose clusters, commonly with an erect caudex or creeping rootstock; frequently abruptly stooling into several close rosettes. Herbage is permanently lanate tomentose, with the upper surface of the leaf blades glabrescent. Basal leaves often purplish beneath, petiolate, ovate to obovate, 2-6(1-9) cm long and 1-3(0.5-4) cm wide, about 1.5 times longer than wide, the petiole about 1-2 times as long as the blade. Cauline leaves are not well developed. Inflorescence a terminal corymbiform or subumbelliform cyme of 3-12(-20) heads, sometimes subtended by (2-)3-5 smaller cymes arising from the axils of the middle cauline leaves. The principal involucre bracts are about 13 or 21 in number, 4-7 mm long, green or yellowish but not black tipped. Ray florets about 8 or 13, the ligules 4-10 mm long. Achenes are lightly pubescent to hirtellous (especially along the angles), or glabrous.

AIDS TO IDENTIFICATION: Generally higher elevations in the Chiricahua and Pinal mountains than var. *metcalfei* or *mutabilis*.

ILLUSTRATIONS: Color photo of *Packera neomexicanus* (Rickett 1970).

Color photo of the species *P. neomexicanus* (L.E. Epple 1995: pl. 433).

TOTAL RANGE: At the full species level, *P. neomexicanus* is perhaps the most abundant *Senecio* in the southwest region. It is widespread in New Mexico, Colorado, Arizona and Mexico (Rickett 1970). The variety *toumeyii* is only found in Arizona.

RANGE WITHIN ARIZONA: Chiricahua and Huachuca mountains in Cochise County. Also reported from the Pinal Mountains in Gila County.

SPECIES BIOLOGY AND POPULATION TRENDS

GROWTH FORM: Herbaceous perennial.

PHENOLOGY: April to August for the species.

BIOLOGY:

HABITAT: Most commonly found in oak chaparral, and sometimes in pine forest.

ELEVATION: Throughout Arizona, the species *P. neomexicanus* is found from 3,000 to 9,000 feet (915-2,745 m). A specimen of the variety *P. n. var. toumeyii*, was collected in 1973 in the Chiricahua Mts. at 5,200 ft (1586 m). Based on unpublished record in the Heritage Data Management System (AGFD, accessed 2004), the var. *toumeyii* ranges from 5,500 – 9,200 ft (1676-2805 m).

EXPOSURE:

SUBSTRATE: Loose rocky soil in coniferous woodlands.

PLANT COMMUNITY: Coniferous woodlands.

POPULATION TRENDS: Unknown.

SPECIES PROTECTION AND CONSERVATION

ENDANGERED SPECIES ACT STATUS: None

STATE STATUS: None

OTHER STATUS: Forest Service Sensitive (USDA, FS Region 3 1999)

MANAGEMENT FACTORS:

PROTECTIVE MEASURES TAKEN:

SUGGESTED PROJECTS: Biology, habitat, and distribution studies needed.

LAND MANAGEMENT/OWNERSHIP: USFS - Coronado National Forest.

SOURCES OF FURTHER INFORMATION**REFERENCES:**

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MAJOR KNOWLEDGEABLE INDIVIDUALS:**ADDITIONAL INFORMATION:**

Revised: 1999-11-22 (RHB)
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