

# Leptinella goyenii

## COMMON NAME

Goyen's button daisy

## SYNONYMS

*Cotula goyenii* Petrie, *C. goyenii* Petrie var. *goyenii*, *Cotula goyenii* var. *pinnatisecta* Kirk

## FAMILY

Asteraceae

## AUTHORITY

*Leptinella goyenii* (Petrie) D.G.Lloyd et C.J.Webb

## FLORA CATEGORY

Vascular – Native

## ENDEMIC TAXON

Yes

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Herbs - Dicotyledonous composites

## NVS CODE

LEPGOY

## CHROMOSOME NUMBER

2n = 52

## CURRENT CONSERVATION STATUS

2012 | Not Threatened

## PREVIOUS CONSERVATION STATUSES

2009 | Not Threatened

2004 | Not Threatened

## DISTRIBUTION

Endemic. South Island from Central Otago east to Fiordland.

## HABITAT

Alpine (> 1300 m a.s.l.), usually amongst rocks, on cliff faces or in fell field, and on gently sloping, rock strewn ridge summits



Remarkables range, January. Photographer: John Smith-Dodsworth



Old Woman Range. Photographer: John Barkla

## FEATURES

Woody, gynodioecious, perennial herb forming compact mats up to 30 mm thick in patches up to 1 m wide. Rhizomes densely packed together, crowded, more or less horizontal and ascending at tips, completely obscured by leaves; branches single or in 2-3-clustered and diverging aggregates, usually spaced at 5-30 mm intervals; living leaves densely imbricate on the upper 5 mm of stem; lower parts covered with dead persistent leaves. Short shoots absent. Roots arising from basal parts of stems, slender but firm, more or less woody up to 5 mm diameter. Leaves sessile, palmately divided, curved around stem, 4-6 x 4-5 mm; blade 3 mm long, dark green, falcate, firmly coriaceous, with scattered short eglandular hairs; margins lobed up to 7 times, these linear, subteret, acute to acuminate, cut to top of broad leaf base. Peduncles more or less equal to or > leaf length, up to 70 mm long, ebracteate or with 1 small bract, pilose hairy. Capitula not or just emergent from mat surface, 2-4 mm diameter; surface convex; involucre hemispherical; involucral bracts subequally biseriate, elliptic or oblong, membranous, dark-green with a wide, pale keeled midrib, glabrous with broad scarious margins. Pistillate capitula with 10-15 involucral bracts and 20-45 florets; florets 2.25 mm long, straight, yellow-red, corolla twice as long as wide, dentition equal. Staminate capitula with 8-12 involucral bracts, 0-8 pistillate florets and 10-35 staminate. Cypsela 1.3 x 0.65 mm, golden-brown, glossy, compressed, smooth or slightly wrinkled.

## SIMILAR TAXA

The stout woody stems, mat forming habit and imbricate palmatifid leaves are unique to this species and set it apart from any other in the genus.

## FLOWERING

November - January

## FLOWER COLOURS

Red/Pink, Yellow

## FRUITING

December - April

## LIFE CYCLE

Papery cypselae are dispersed by wind and possibly attachment (Thorsen et al., 2009).

## PROPAGATION TECHNIQUE

Difficult - should not be removed from the wild

## ETYMOLOGY

**leptinella**: From the Greek word leptos (meaning slender, thin or delicate), referring to the ovary

## WHERE TO BUY

Not commercially available

## ATTRIBUTION

Fact sheet prepared for NZPCN by P.J. de Lange 31 August 2006. Description from Lloyd (1972) - as *Cotula goyenii*.

## REFERENCES AND FURTHER READING

Lloyd, D.G. 1972: A revision of the New Zealand, Subantarctic, and South American species of *Cotula*, section *Leptinella*. *New Zealand Journal of Botany* 10: 277-372.

Thorsen, M. J.; Dickinson, K. J. M.; Seddon, P. J. 2009. Seed dispersal systems in the New Zealand flora. *Perspectives in Plant Ecology, Evolution and Systematics* 11: 285-309

## NZPCN FACT SHEET CITATION

Please cite as: de Lange, P.J. (Year at time of access): *Leptinella goyenii* Fact Sheet (content continuously updated). New Zealand Plant Conservation Network. <https://www.nzpcn.org.nz/flora/species/leptinella-goyenii/> (Date website was queried)

## MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/leptinella-goyenii/>