

# Leptinella lanata

## SYNONYMS

*Cotula lanata* (Hook.f.) Hook.f.

## FAMILY

Asteraceae

## AUTHORITY

*Leptinella lanata* Hook.f.

## FLORA CATEGORY

Vascular – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Herbs - Dicotyledonous composites

## CHROMOSOME NUMBER

2n = 52

## CURRENT CONSERVATION STATUS

2017 | At Risk – Naturally Uncommon | Qualifiers: DP, RR

## PREVIOUS CONSERVATION STATUSES

2012 | At Risk – Naturally Uncommon | Qualifiers: RR, SO

2009 | At Risk – Naturally Uncommon | Qualifiers: IE

2004 | Range Restricted

## DISTRIBUTION

Indigenous. Auckland Islands and Campbell Island/Motu Ihupuku. Also recently (2004) discovered on Heard Island.

## HABITAT

Coastal on rocks, cliff tops, on damp exposed peat, in rock crevices and within seal haul outs and bird nesting grounds.

## DETAILED DESCRIPTION

Robust, monoecious, creeping perennial herb forming small diffuse patches. **Rhizomes** on soil or rock surfaces, stout, 1–4 mm diameter, somewhat fleshy, initially covered with a thick tangle of lanate hairs, soon becoming glabrate or glabrous, dark brown and more or less woody; branches usually clustered, up to 4 radiating from around a flowering node; leaves 2–4 clustered at apex, most 20–50 mm distant. Short shoots usually absent, occasionally present as a few reduced leaves. **Roots** largely confined to older stems, slender up to 1 mm diameter. **Leaves** 1-pinnatifid, 10–25 × 4–10 mm; blade 5–20 mm long, broadly elliptic, thick, fleshy, light green, covered with a few lanate hairs when young, especially on rhachis, glabrate to glabrous; midrib not raised on ventral surface; pinnae 3–5 pairs, distal ones overlapping, cut to rhachis, broadly elliptic or oblong if undivided; teeth up to 4 per pinna, on larger pinna, mostly on distal margin, cut ½ across pinna, triangular, obtuse. **Peduncles** borne on rhizomes, longer than leaves, 10–30 mm, slender, ebracteate, densely lanate hairy. **Capitula** 6–10 mm diameter, surface hemispherical; involucre hemispherical; involucre bracts 30 in 2–3-seriate, subequal rows, broadly elliptic, thick, fleshy, green, covered with deciduous lanate hairs, margins narrowly hyaline, scarious; pistillate florets 50–100, 2- or more seriate, 3 mm long, more or less straight, yellow-green, corolla twice as long as wide, dentition equal, staminate florets 70–90. **Cypsela** up to 2.3 × 0.8 mm, golden-brown, turgid, obscurely 4-angled, shiny and unwrinkled.



Enderby Island. Photographer: John Barkla, Licence: CC BY.



Enderby Island. Photographer: John Barkla, Licence: CC BY.

## SIMILAR TAXA

The lanate (woolly) rhizomes, glabrescent leaves and lanate peduncles serve to distinguish this species from all other representatives of the genus in New Zealand. It is so distinctive that it could not be confused with any of the other *Leptinella* species recorded from the New Zealand Subantarctic islands.

## FLOWERING

October–April

## FLOWER COLOURS

Green, Yellow

## FRUITING

December–May

## LIFE CYCLE

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

## PROPAGATION TECHNIQUE

Easy from rooted pieces but requires cool conditions to thrive. Will not tolerate humidity.

## THREATS

Not threatened but listed because it is a narrow range endemic confined to a small geographic area.

## ETYMOLOGY

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

**lanata:** Woolly

## WHERE TO BUY

Not commercially available

## ATTRIBUTION

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

## REFERENCES AND FURTHER READING

Lloyd DG. 1972. A revision of the New Zealand, Subantarctic, and South American species of *Cotula*, section *Leptinella*. *New Zealand Journal of Botany* 10(2): 277–372. <https://doi.org/10.1080/0028825X.1972.10429156>.

Thorsen MJ, Dickinson KJM, Seddon PJ. 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 lanata* Fact Sheet (content continuously updated). New Zealand Plant Conservation Network. <https://www.nzpcn.org.nz/flora/species/leptinella-lanata/> (Date website was queried)

## MORE INFORMATION

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