

Peltigera hymenina

FAMILY

Peltigeraceae

AUTHORITY

Peltigera hymenina (Ach.) Delise

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Foliose

CURRENT CONSERVATION STATUS

2018 | Data Deficient | Qualifiers: SO, Sp

DISTRIBUTION

South Island: Otago (Lake Onslow, Dunedin, Pukerau), Southland (Homer, Argyle Burn). **Stewart Island:** (Tin Range).

Known from the Northern Hemisphere from North America, Western Europe, the British Isles, Macaronesia and Africa, but not elsewhere in the Southern Hemisphere.

HABITAT

Among mosses and bryophytes often with other lichens (especially *Cladia aggregata*, *C. sullivanii*) in subalpine grassland, or on soil or rocks, s.l. to 160 m.

DETAILED DESCRIPTION

Thallus rosette-forming to irregularly spreading, 3–8(–14) cm diam. **Lobes linear**, imbricate, 0.5–1.2(–2) cm diam., 2–6 cm long, rather thin, 200–300 µm thick. **Margins entire** or shallowly notched, wavy, ±inrolled in parts. **Upper surface** slatey blue-grey to brown-grey, suffused red-brown at apices when wet, olive-green to brownish green to pale-grey when dry, matt, minutely maculate (×10 lens, best seen when wet), without isidia, phyllidia or soredia. **Lower surface** without veins, or veins when present, flat, broad, indistinct, ±evenly felted-tomentose from centre to margins, or occasionally with small, scattered, whitish interstitial areas apparent at margins between veins (×10 lens), pale yellowish buff in a broad, marginal zone darkening centrally. **Rhizines** thin, scattered, simple to fasciculate, pale yellow-buff to dark-brown, generally rather short, 2–4 mm long. **Apothecia** rather rare, 3–5 mm long, saddle-shaped, on short marginal stalks, disc red-brown, epruinose, margins corrugate-roughened, pale-buff, tomentose below. **Ascospores** fusiform, 3–5-septate, 50–70(–80) × 3–4 µm.

Chemistry: Tenuiorin, methyl gyrophorate, gyrophoric acid, peltidactylin, dolichorrhizin, zeorin (tr.), hopane-7β,22-diol, unidentified triterpenoid (tr.).

SIMILAR TAXA

Peltigera hymenina differs from other taxa in the *P. polydactylon* aggregate by its mainly pale buff-brown lower surface, with ±continuous felted tomentum and rather diffuse venation, the somewhat maculate and less shiny upper surface, and the thin, pale, simple to fasciculate short rhizines.

SUBSTRATE

Terricolous

ATTRIBUTION

Fact sheet prepared by Marley Ford (3 September 2021). Brief description, Habitat, and Features sections copied from Galloway (2007).



REFERENCES AND FURTHER READING

Galloway D.J. 2007: *Flora of New Zealand: Lichens, including lichen-forming and lichenicolous fungi*. 2nd edition. Lincoln, Manaaki Whenua Press. 2261 pp.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/peltigera-hymenina/>