

Leptogium crispatellum

SYNONYMS

Leptogium pecten

FAMILY

Collembataceae

AUTHORITY

Leptogium crispatellum Nyl.

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Foliose

CURRENT CONSERVATION STATUS

2018 | Not Threatened | Qualifiers: SO

BRIEF DESCRIPTION

Characterised by the muscicolous/terricolous/saxicolous habit; rather small, crowded lobes that are naked below, and having lacerate-ragged and often phyllidiate margins, and laminal phyllidia. The lobes are very often characteristically browned, and in exposed sites thalli are pulvinate and often ±blackened.

DISTRIBUTION

North Island: Northland (Three Kings Island) to South Auckland (Otorohanga). **South Island:** Nelson (Takaka) to Southland (Invercargill).

Campbell Island: (Mt Beeman).

It is also known from Tasmania, Marion Island, Heard Island, and the South Shetland Island.

HABITAT

Among mosses on clay banks and alongside paths in gardens, on damp soil, on bark, on acid rocks and also on limestone, s.l. to 2100 m.

It is known from the following phorophytes: *Agathis australis*, *Cupressus macrocarpa**, *Griselinia littoralis*, *Metrosideros excelsa*, *Populus nigra** and *Prumnopitys ferruginea*.

DETAILED DESCRIPTION

Thallus lobate, erect to semi-erect, pulvinate, 1-3(-18) cm diam., lead grey to bluish, red-brown at apices, often ± totally brownish, corticolous or saxicolous. **Lobes** orbicular, 1-4 mm wide, margins irregularly incised, ragged to lobulate or denticulate, crowded, subsascending. **Upper surface** smooth to ± uneven, not noticeably wrinkled or plicate, ± densely isidiate. Isidia squamiform, marginal and laminal, crowded. **Lower surface** smooth to finely wrinkled-plicate, glabrous, rarely isidiate, concolorous with upper surface or paler. **Apothecia** rare, sessile to subpedicellate, disc plane, pale red-brown, 0.5-1 mm diam., immarginate. **Ascospores** subellipsoid, submuriform, 3-4 transverse septa and 1 longitudinal septum, apices rounded to pointed, 16-24 × 6-9 µm.

SIMILAR TAXA

Browned lobes distinguish this species from *L. denticulatum*.



On coast above tide line, Hillsborough Auckland. Photographer: Marley Ford, Date taken: 31/10/2021, Licence: CC BY-NC.



On coast above tide line, Hillsborough Auckland. Photographer: Marley Ford, Date taken: 31/10/2021, Licence: CC BY-NC.

SUBSTRATE

Corticolous, muscicolous (on moss), terricolous, saxicolous (acid rocks, limestone)

ATTRIBUTION

Fact sheet prepared by Marley Ford (24 February 2022). Brief description, Distribution, Habitat, Features, and Similar taxa sections copied from Galloway (1985, 2007).

REFERENCES AND FURTHER READING

Galloway D.J. 1985: *Flora of New Zealand: Lichens*. Wellington: PD Hasselberg, Government Printer. 662 pp.
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/leptogium-crispatellum/>