

Nephroma cellulorum var. isidioferum

SYNONYMS

Nephroma lepidophyllum

FAMILY

Nephromataceae

AUTHORITY

Nephroma cellulorum var. *isidioferum* Js.Murray

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 corticolous habit; the coarse, terete, squamiform phyllidia along ridges between faveolae, at lobe margins, and fringing margins of apothecia.

DISTRIBUTION

South Island: Nelson (Maruia Valley); Canterbury (Nina Valley, Otepatotu Reserve, Banks Peninsula, Peel Forest); Otago (Leith Valley, Flagstaff); Southland (Sutherland Falls). Still poorly collected in New Zealand. Known also from southern Argentina, Chile, and eastern Australia.

HABITAT

On bark of *Fuchsia* and *Leptospermum*, *Nothofagus* [*Fuscospora* spp., *Lophozonia menziesii*] and *Podocarpus* in shaded, humid habitats; rarely on rocks, 300–600 m.

DETAILED DESCRIPTION

Thallus orbicular to spreading, 5–15 cm diam., corticolous or muscicolous. **Lobes** rounded, flattened, closely attached centrally, subsacendent apically, margins entire, rounded, sinuous. **Upper surface** markedly faveolate-reticulate, faveolae 2–3 mm wide, separated by well-defined ridges, olive-brown to reddish-brown to greyish-red or grey (shade forms), matt or shining in parts, sometimes white-maculate (×10 lens). With coarse, terete to squamiform phyllidia along ridges between faveolae, at margins of lobes and fringing the margins of apothecia.

Lower surface distinctly bullate, shining, creamish-buff at margins, dark grey-brown centrally, glabrous. **Apothecia** pale to dark brown, 5–10 mm broad and 2–5 mm long with a narrow, entire margin. **Ascospores** biseriate, pale brownish, 2-septate, 14–20 × 7–8 μm.

Chemistry: Zeorin, unidentified terpene (as in *N. cellulorum*) perlatolic acid and unidentified pigment (±).

SIMILAR TAXA

As for *N. cellulorum* var. *cellulosum* but with coarse, terete to squamiform phyllidia along ridges between faveolae, at margins of lobes and fringing the margins of apothecia. The backs of the apothecia are also ± areolate-scabrid.



Awa Awa Rata Reserve, Canterbury.
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Awa Awa Rata Reserve, Canterbury.
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SUBSTRATE

Corticolous

ATTRIBUTION

Fact sheet prepared by Melissa Hutchison (28 December 2021). 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/nephroma-cellulosum-var-isidioferum/>