

Pannaria euphylla

SYNONYMS

Psoroma euphyllum

FAMILY

Pannariaceae

AUTHORITY

Pannaria euphylla (Nyl.) Elvebakk & D.J.Galloway

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 cetrarioid growth habit on twigs, with spreading lobes not closely appressed to substratum; and pannarin as major secondary compound. It has a green alga as major photobiont.

DISTRIBUTION

North Island: South Auckland (King Country). **South Island:** Nelson (Lake Rotoiti), Westland (Taramakau River, Kelly Ra.). Stewart Island.

Known also from Australia.

HABITAT

A twig species from humid habitats in moderate shade, common as an epiphyte of *Coprosma*, *Cyathodes*, *Pseudowintera* and *Fuscospora*.

DETAILED DESCRIPTION

Thallus foliose-lobate, margins free and subscendent, 2-5 cm diam., without a prothallus. **Lobes** 2-3 mm wide, concave, margins crisp, ascending, entire, thickened, minutely notched or incised, or sometimes small-lobulate.

Upper surface minutely granular appearing matt, smooth or slightly undulate, occasionally with short, white, or grey entangled silky tomentum, bright lettuce- green when wet, pale glaucous-green when dry. **Cephalodia** on upper and lower surfaces and on rhizines, 0.5-2.0 mm diam., pale grey-blue or brownish, simple, globose to convolute-placodioid, cerebriform, smooth, matt, sometimes wrinkled-plicate. **Lower surface** white, naked or with a short white pubescence, or with \pm dense white to greyish, simple to squarrose rhizines. **Apothecia** to 2 mm diam., laminal and marginal, pedicellate, round, margin concolorous with thallus, thin, crenulate, disc plane or subconcave, pale orange-brown to red- brown, often white-pruinose, smooth, continuous, not etched, gyrose or fissured or with thalline lobules, thalline exciple smooth, tomentose at base. **Ascospores** 16-18 \times 10-12 μ m.

Chemistry: Pannarin and porphyrilic acid (Kantvilas & Jarman 1999: 190; Elvebakk & Galloway 2003).

SUBSTRATE

Corticolous (twigs)



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ATTRIBUTION

Fact sheet prepared by Marley Ford (17 May 2021). Information in the Brief description, Distribution, Habitat, Features and Similar taxa sections copied from Galloway (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/pannaria-euphylla/>