

Pertusaria laevis

SYNONYMS

Pertusaria velata var. *subvelata* Nyl.

FAMILY

Pertusariaceae

AUTHORITY

Pertusaria laevis C.Knight

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

Yes

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Crustose

CURRENT CONSERVATION STATUS

2018 | Data Deficient

BRIEF DESCRIPTION

Characterised by the corticolous habit; a pale-olivaceous or grey-green or greyish white, thin, areolate thallus; verruciform apothecia with 1–5 ostioles per verruca; 8-spores asci; uniseriate, oval–ellipsoidal ascospores, 50–70 × 20–26(–30) μm, wall 1.5–2.5 μm thick; and thamnolic acid.

DISTRIBUTION

North Island: Wellington. Known only from the type collection. **South Island:** Nelson (M. Ford 2023).

HABITAT

Second collection (Nelson) corticolous on kahikatea, with other weedy lichens on alluvial forest margin (M. Ford 2023).

DETAILED DESCRIPTION

Thallus pale olivaceous or grey-green or grey-white, thin, continuous, irregularly cracked to areolate-cracked, matt or shining, 2–4 cm diam., in irregular patches, with a thin, black, wavy marginal prothallus, corticolous. **Fertile** verrucae not much raised above thallus, sparse, blisterlike, ± convex, 1–2 mm diam., concolorous with thallus, apices flattened. **Apothecia** immersed, 1–5 per verruca, ostioles minute, brown or black, punctiform. **Asci** clavate, 8-spored. **Ascospores** uniseriate, oval–ellipsoid 51–69 × 18.7–26(–30) μm, wall 1.5–2.5 μm thick.

Chemistry: K⁺ yellow, Pd⁺ orange; containing thamnolic acid.

SUBSTRATE

Corticolous

ATTRIBUTION

Fact sheet prepared by Marley Ford (16 June 2023). Information in the Brief description, Distribution, Habitat, Features, and Similar taxa sections copied from Galloway (1985, 2007).



Corticolous on kahikatea on alluvial forest margin, Wakefeild Nelson. Photographer: Marley Ford, Date taken: 11/01/2023, Licence: CC BY.



Corticolous on kahikatea on alluvial forest margin, Wakefeild Nelson. Photographer: Marley Ford, Date taken: 11/01/2023, Licence: CC BY.

REFERENCES AND FURTHER READING

- Ford M. 2023: iNaturalist observation. <https://inaturalist.nz/observations/152895858>. Date accessed: 16 June 2023.
- 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/pertusaria-laevis/>