

Punctelia perreticulata

FAMILY

Parmeliaceae

AUTHORITY

Punctelia perreticulata (Räsänen) G.Wilh. & Ladd

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Foliose

CURRENT CONSERVATION STATUS

2018 | At Risk – Naturally Uncommon | Qualifiers: SO, Sp

DISTRIBUTION

North Island: South Auckland (Rotorua). **South Island:** Nelson (Brightwater), Canterbury (Temuka), Otago (Whare Flat, Dunedin). Widely distributed worldwide.

HABITAT

On tree bark (*Fuscospora*, *Podocarpus totara*) and tree stumps. Still very poorly collected and known in New Zealand.

DETAILED DESCRIPTION

Thallus closely or loosely attached, 5–12 cm diam. Lobes (1–)2–4(–8) mm wide, surface wrinkled to scrobiculate, pseudocyphellate.

Pseudocyphellae laminal and marginal, punctiform, oblong or linear-elongate to reticulate, sometimes raised and located on ridges of upper cortex, rarely restricted to margins, developing into secondary soralia with farinose or granular soredia, infrequently mixed with small, thick phyllidia. **Medulla white.** **Lower surface** pale-buff or creamish, darker below apices. **Apothecia** very rare. **Ascospores** ellipsoidal, (8–)10–13 × (5–)6.5–10 µm. Pycnidia laminal, immersed. Conidia long-filiform, (5–)6.5–11(–15) × 1 µm.

Chemistry: Cortex K+ yellow; medulla K–, C+ pink to red, KC+ red, Pd–; containing atranorin and lecanoric acid.

SIMILAR TAXA

Punctelia perreticulata is similar in all characters to *P. subrudecta* but is distinguished by the long, filiform conidia, and well-developed marginal soralia. A useful table showing differences in characters in *P. perreticulata*, *P. borrieri* and *P. subrudecta* is given in Longán *et al.* (2000).

SUBSTRATE

Corticolous

ATTRIBUTION

Fact sheet prepared by Marley Ford (15 September 2021). Brief description, Distribution, Habitat, Features and Similar taxa sections copied from Galloway (2007).



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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

Longán A., Barbero M. and Gómez-Bolea A. 2000: Comparative studies on *Punctelia borreri*, *P. perreticulata* and *P. subrudecta* Parmeliaceae, lichenized Ascomycotina from the Iberian Peninsula. *Mycotax* 74(2): 367-378.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/punctelia-perreticulata/>