

Pertusaria sorodes

SYNONYMS

Pertusaria subcommunis Nyl.

FAMILY

Pertusariaceae

AUTHORITY

Pertusaria sorodes Stirt.

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

Yes

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Crustose

CURRENT CONSERVATION STATUS

2018 | Not Threatened

BRIEF DESCRIPTION

Characterised by the corticolous habit; the pale olive-green to fawnish or yellow-green, wrinkled, plicate or papillate thallus; verruciform apothecia with minute, punctiform black or brown ostioles, 2–10 per verruca; 2-spored asci; broadly ellipsoidal ascospores (120–)160–240(–265) × (40–)50–75(–80) μm, with a wall 13–17 μm thick having conspicuous radial zonation of inner wall.

DISTRIBUTION

North Island: Northland (Three Kings Islands, Whangarei), South Auckland (Waipakahi Valley). **South Island:** Marlborough (Onamalutu), Otago (Flagstaff, Abbott's Hill, Dunedin, Akatore), Southland (Waihopai Scenic Reserve Invercargill, Waikoau River, Te Wae Wae Bay). Recently found on Banks Peninsula (Hutchison 2021).

HABITAT

Widespread on bark of lowland forest trees and shrubs (*Avicennia*, *Dacrycarpus dacrydioides*, *Griselinia littoralis*, *Kunzea ericoides* agg., *Melicytus ramiflorus*, *Metrosideros excelsa*, *Myrsine australis*, *Lophozonia menziesii*).



Lignicolous on mangroves, Hokianga Far North. Photographer: Marley Ford, Date taken: 19/12/2021, Licence: CC BY.



Corticolous and lignicolous on mangroves, Hokianga Far North. Photographer: Marley Ford, Licence: CC BY.

DETAILED DESCRIPTION

Thallus pale olive-green or, greenish-grey to fawnish-green or yellowish-green, wrinkled-plicate to verrucose or papillate to areolate-cracked, matt, ± waxy, smooth in parts, in irregular patches, 2-5 cm diam., delimited at margins by a thin, wavy black line of prothallus, margins slightly plicate-radiate, corticolous. **Fertile verrucae** concolorous with thallus, raised, irregular, locally fused in deformed groups, 2-4(-8) mm diam. **Apothecia** immersed, 2-4(-8-10) per verruca, ostioles minute, punctiform, black or brown, surface of verrucae slightly puckered at ostiole, margins rounded, irregular, not splitting. **Asci** 2-spored. **Ascospores** broadly ellipsoid or oblong-ellipsoid or oval, both ends round or one end pointed (120-)160-220 × 43-70 µm, wall 13-17 µm thick, radial zonation of inner wall conspicuous. **Chemistry**: ? perlatolic acid, 2 unidentified compounds and a xanthone.

SUBSTRATE

Corticolous

ATTRIBUTION

Fact sheet prepared by Marley Ford (9 October April 2021). Brief description, Distribution, Habitat, Features and Similar taxa sections copied from Galloway (1985) and 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.
Hutchison M. 2021: iNaturalist observation. <https://inaturalist.nz/observations/88801659>. Date accessed: 15 June 2023.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/pertusaria-sorodes/>