

Phyllopsora malcolmii

FAMILY

Ramalinaceae

AUTHORITY

Phyllopsora malcolmii Vězda & Kalb

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

Yes

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Crustose

CURRENT CONSERVATION STATUS

2018 | Data Deficient | Qualifiers: OL

BRIEF DESCRIPTION

Characterised by the corticolous habit; the green thalline squamules, surrounded by a white, byssoid prothallus; pale-brown apothecia; hymenium 70–80 µm tall, colourless, hypothecium pale-brownish; ascospores bacillar, 13–18 × 2–2.2 µm, and a chemistry of argopsin.

DISTRIBUTION

North Island: Recently identified on tree privet (*Ligustrum lucidum*) in secondary growth native forest in the Waikatō (Hutchison 2022).

South Island: Known only from the type locality in Nelson (“Brook Stream track”) (Galloway 2007).

HABITAT

The type specimen from “Brook Stream track” near Nelson was described as “ad corticem arborum” (on tree bark) (Galloway 2007).

DETAILED DESCRIPTION

Thallus squamulose, irregularly spreading, delimited by a white, byssoid prothallus, the hyphae arachnoid, to 3 µm thick. Squamules 0.7–1 mm diam. **Apothecia** pale-brown to brown, sessile, disc plane with a paler proper margin, at maturity convex, the margins excluded, 0.8–1.5 mm diam., 0.25 mm tall. **Exciple** colourless. **Hypothecium** pale-brownish. Hymenium colourless, 70–80 µm tall; the paraphyses tips forming a cloudy, brownish epithecium.

Paraphyses 2 µm thick, the apices not thickened. **Asci** clavate. **Ascospores** simple, colourless, bacillar, 13–18 × 2–2.2 µm. Pycnidia rare, immersed in thalline verrucae. **Conidia** narrow, 12–25 × 0.25 µm.

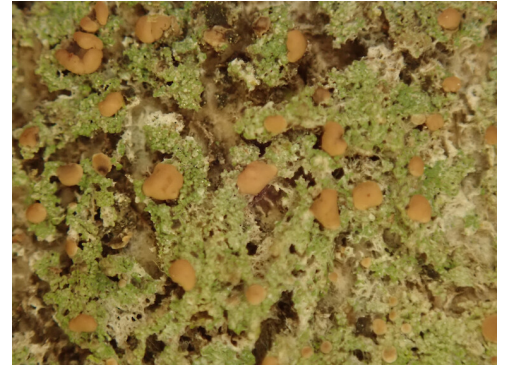
Chemistry: Argopsin (minor).

SUBSTRATE

Corticolous

ATTRIBUTION

Fact sheet prepared by Melissa Hutchison (14 June 2023). Brief description, Distribution, and Features sections copied from Galloway (2007).



On tree privet in the Waikatō. Photographer: Melissa Hutchison, Date taken: 23/02/2022, Licence: CC BY-NC.



On tree privet in the Waikatō. Photographer: Melissa Hutchison, Date taken: 23/02/2022, Licence: CC BY-NC.

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.

Hutchison M. 2022: iNaturalist observation. <https://inaturalist.nz/observations/109989580>. Date accessed: 14 June 2023.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/phyllopsora-malcolmii/>