

Buellia disciformis

SYNONYMS

Lecidea parasema var. *disciformis* Fr., *Hafellia disciformis* (Fr.) Marbach & H.Mayrhofer

FAMILY

Caliciaceae

AUTHORITY

Buellia disciformis (Fr.) Mudd

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Crustose

CURRENT CONSERVATION STATUS

2018 | Not Threatened | Qualifiers: SO

BRIEF DESCRIPTION

Characterised by the corticolous habit; the thin, grey-white thallus; sessile, black apothecia; and ascospores with slight apical thickenings (*Callispora*-type), 14–30 × 6–13 µm.

DISTRIBUTION

South Island: Canterbury (Arthur's Pass, Hanmer, Lake Lyndon), Southland (South Mavora Lake).

Known also from Great Britain, Europe, Scandinavia, Canary Islands, Socotra, North America and Australia.

HABITAT

On bark of native and introduced trees, **Alnus glutinosa*, *Dracophyllum acerosum*, *Fuscospora cliffortioides*. Often associating on mountain beech bark with the lichens *Haematomma alpinum*, *Miltidea ceroplasta*, *Ochrolechia* etc.

DETAILED DESCRIPTION

Thallus thin, areolate, white to grey, irregular. **Medulla** ± amyloid.

Apothecia sessile, to 1.5 mm diam., disc black, epruinose, margins usually persistent. **Hymenium** with oil droplets; epithecium olive-brown to brown.

Hypothecium dark-brown. **Ascospores** *Callispora*-type, 1-septate, rarely 3-septate, apices somewhat pointed, 14–30 × 6–13 µm. **Pycnidia** common, conidia subcylindrical, 4–5 × 1 µm.

Chemistry: Thallus K+ yellow; containing atranorin.

SUBSTRATE

Corticolous



Image: taken by A.J. Marshall based on herbarium material collected by P.J. de Lange from the canopy branchlets of *Metrosideros excelsa* × *M. robusta*. Te Pahi, Unuwahao Forest, below Tarure Hill. Photographer: Peter J. de Lange, Date taken: 20/06/2023, Licence: CC BY.



Image: taken by A.J. Marshall based on herbarium material collected by P.J. de Lange from the canopy branchlets of *Metrosideros excelsa* × *M. robusta*. Te Pahi, Unuwahao Forest, below Tarure Hill. Photographer: Peter J. de Lange, Date taken: 20/06/2023, Licence: CC BY.

ATTRIBUTION

Fact sheet prepared by Marley Ford (12 February 2021). Brief description, Distribution, Habitat, and Features sections copied from Galloway (1985) & Galloway (2007).

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.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/buellia-disciformis/>