

Lecanora epibryon subsp. broccha

SYNONYMS

Lecanora broccha, Lecanora parmelinea

FAMILY

Lecanoraceae

AUTHORITY

Lecanora epibryon subsp. broccha (Nyl.) Lumbsch

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 graminicolous habit (dead tussock bases); the thin, whitish thallus of dispersed verrucae; prominent sessile apothecia, constricted at base, 0.8–2.5 mm diam., the disc red-brown to brown-black, intensely dark-brown when moist, epruinose, and the thalline exciple, prominent, white, smooth, entire, crenulate, and flexuose.

DISTRIBUTION

North Island: Wellington (Ruahine Ranges). **South Island:** Nelson (Mt Arthur, Cobb Valley, St Arnaud Range, Roding River, Island Saddle), Marlborough (Mt Weld,) Canterbury (Mt Trovatore, Cass, Craigieburn Range, Torlesse Range) to Otago (Forgotten River, Queenstown Hill, Arrowtown, Alexandra, Lake Onslow, Mt Benger, Old Man Range, Umbrella Mts, Rock & Pillar Range, Lee Stream, Maungatua). Also in Papua New Guinea, SE Australia (including Tasmania) and southern South America in Chile and Argentina, in the Falkland Is, and Kerguelen.

HABITAT

On dead tussock bases (especially of *Poa*), mainly E of the Main Divide in subalpine to high-alpine grasslands and herbfield.

DETAILED DESCRIPTION

Chemistry: Major compounds: \pm atranorin, \pm barbatic, stictic, \pm norstictic acids and \pm 2,5,7-trichloro-O-methylnorlichexanthone. Minor compounds: \pm atranorin, \pm chloroatranorin, \pm con-norstictic, constictic, cryptostictic, menegazziaic, \pm norstictic, \pm lecanoric, \pm gyrophoric, \pm 4-O-demethylbarbatic acids and \pm methyl barbatate, \pm methyl β -orsellinate, \pm 5,7-dichloro-3-O-methyl-norlichexanthone, \pm 2,5,7-trichloro-3-O-methylnorlichexanthone, \pm 3-O-methylasemone, \pm 2,5,7-trichlorolichexanthone and \pm ursolic acid.

SUBSTRATE

Graminicolous (dead tussock bases), terricolous



Ohau Range, Canterbury. Photographer: Melissa Hutchison, Date taken: 22/01/2021, Licence: CC BY-NC.



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ATTRIBUTION

Fact sheet prepared by Melissa Hutchison (29 November 2021). Brief description, Distribution, Habitat, and Features sections copied from Galloway (1985, 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.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/lecanora-epibryon-subsp-broccha/>