

# Parmelina quercina

## SYNONYMS

Lichen quercinus Willd., *Parmelina quercina* (Willd.) Hale

## FAMILY

Parmeliaceae

## AUTHORITY

*Parmelina quercina* (Willd.) Hale

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Foliose

## CURRENT CONSERVATION STATUS

2018 | Data Deficient | Qualifiers: OL, SO

## BRIEF DESCRIPTION

Characterised by the corticolous habit; the absence of isidia and soredia; the presence of distinct white maculae on the upper surface of the lobes; and the presence of lecanoric acid in the medulla.

## DISTRIBUTION

**South Island:** Otago (Akatore saltmarsh).

Widely distributed in temperate regions.

## HABITAT

On twigs of shrubs, growing with *Austromelanelixia*, *Menegazzia* and *Teloschistes chrysophthalmus*.

## DETAILED DESCRIPTION

**Thallus** closely attached, 5–120 cm diam. **Lobes** scarcely imbricate, elongate, irregularly branched, 1–2.5 mm wide; cilia sparse to moderately numerous, 0.1–0.15 mm long, black. **Upper surface** pale greenish grey to whitish grey, convex, dull, distinctly white-maculate on marginal lobes ( $\times 10$  lens); slightly wrinkled, without isidia or soredia.

**Lower surface** black, rhizinate. **Rhizines** sparse, simple or rarely squarrosely branched, black. **Apothecia** common, 2–6 mm wide; disc plane to subconcave; exciple smooth. **Ascospores** broadly ellipsoidal,  $9\text{--}12 \times 6\text{--}9 \mu\text{m}$ . **Pycnidia** common. **Conidia** bacillar,  $6\text{--}8 \times 1 \mu\text{m}$ .

**Chemistry:** Cortex K+ yellow; medulla K–, C+ red, KC+ red, Pd–; containing atranorin, chloroatranorin and lecanoric acid (major).

## SIMILAR TAXA

Similar to other Parmelioid lichens but distinguished by rhizines hairs and chemistry. Distinguished from other *Parmelina* species by its distinctly maculate upper surface, especially at margins.

## SUBSTRATE

Corticolous



Corticolous in beech remnant, Lake Ōhau Canterbury. Photographer: Marley Ford, Date taken: 21/01/2021, Licence: CC BY.



Corticolous in beech remnant, Lake Ōhau Canterbury. Photographer: Marley Ford, Date taken: 21/01/2021, Licence: CC BY.

### ATTRIBUTION

Fact sheet prepared by Marley Ford (10 February 2023). Brief description, Distribution, Habitat, Features, and Similar taxa 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/parmelina-quercina/>