

# Lecanora argentata

## SYNONYMS

*Parmelia subfusca* f. ("η") *argentata* Ach.

## FAMILY

Lecanoraceae

## AUTHORITY

*Lecanora argentata* (Ach.) Degel.

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Crustose

## CURRENT CONSERVATION STATUS

2018 | At Risk – Naturally Uncommon | Qualifiers: DP, SO

## BRIEF DESCRIPTION

Recognised by the corticolous habit; the clear, red-brown epithecium; large crystals in the amphithecium; and products of the gangaleoidin chemosyndrome.

## DISTRIBUTION

**North Island:** Northland (Little Barrier Island, Waiwera) to Auckland (Mt Albert Research Station).

Known from Great Britain, Europe, Scandinavia and North America.

## HABITAT

In coastal forest (*Metrosideros*) and on a planted specimen of *Fuscopora*. It occurs in high-light habitats with species of *Buellia*, *Flavoparmelia*, *Pertusaria* and *Parmotrema*.

## DETAILED DESCRIPTION

**Thallus** continuous, yellowish to greenish white, or greyish smooth at margins, uneven to subverrucose centrally, without pruina or soredia, delimited by a ±prominent grey-white or whitish prothallus. **Apothecia** sessile, 0.4–1 mm diam., scattered or crowded centrally; thalline exciple persistent, concolorous with thallus, smooth to ±verrucose or crenulate; discs reddish or dark red-brown to bright red-brown, epruinose. **Amphithecium** with large crystals (pulicaris-type not dissolving in K); epithecium reddish brown not dissolving in K, without crystals (glabrata-type), 10–15 µm thick. **Paraphyses** c. 2 µm thick, simple, dense, apices capitate to 4 µm thick. **Hymenium** colourless, 55–70 µm tall. **Hypothecium** colourless. **Asci** clavate 40–55 × 10–14 µm. **Ascospores** ellipsoidal, 10.5–15.5 × 5.5–8.5 µm, the wall 0.5 µm thick.

**Chemistry:** Thallus and apothecial margin K+ yellow, C–, KC–, Pd+ yellow; containing atranorin and gangaleoidin as major compounds with chloroatranorin, 4-dechlorogangaleoidin and norgangaleoidin as minor compounds

## SUBSTRATE

Corticolous



Local on London plane branch, Mt Albert Auckland. Photographer: Marley Ford, Date taken: 10/09/2021, Licence: CC BY.



Local on London plane branch, Mt Albert Auckland. Photographer: Marley Ford, Date taken: 10/09/2021, Licence: CC BY.

### **ATTRIBUTION**

Fact sheet prepared by Marley Ford (3 August 2022). Brief description, Distribution, Habitat, and Features sections copied from 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/lecanora-argentata/>