

Lecanactis tibelliana

FAMILY

Roccellaceae

AUTHORITY

Lecanactis tibelliana Egea & Torrente

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

Yes

STRUCTURAL CLASS

Lichens - Crustose

CURRENT CONSERVATION STATUS

2018 | Data Deficient

BRIEF DESCRIPTION

Characterised by the corticolous habit; the sulphur-yellow thallus; grey- to yellow-pruinose apothecial discs; 3-septate, fusiform ascospores, 27–43 × 3.5–5 µm; and schizopeltic acid in the medulla.

DISTRIBUTION

North Island: Northland (Orewa), Auckland (Waitakere Range).

HABITAT

On bark of trees (*Metrosideros excelsa*) in coastal forest.

DETAILED DESCRIPTION

Thallus epiphloeodal, sulphur-yellow, continuous or cracked, when well-developed wrinkled or granular, to 500 µm thick. **Apothecia** rounded to irregular, 0.3–2 mm diam., numerous, scattered singly or in groups of 2–3 and then deformed through mutual pressure, sessile, constricted at base, covered with a whitish, greyish or yellowish pruina. **Margin** at first thick, elevated above disc, persistent, at maturity and then rather thin. Disc plane to subconvex. **Hymenium** 90–120 µm tall, I+ blue. **Hypothecium** 35–50 µm thick, clear-brown. **Paraphysoids**, branched and somewhat anastomosing, 1–1.5 µm thick, their apices swollen and covered with a granular, brown cap. **Asci** cylindrical-clavate, 75–100 × 14–15 µm.

Ascospores fusiform, with one of the apices attenuated, straight, 3-septate, 27–40(–45) × (3.5–)4–5 µm. **Pycnidia** immersed to semi-immersed, solitary or aggregated in groups, ±rounded, the ostiole wide, occasionally covered with a thin yellowish pruina, subglobose to pyriform, 600 µm tall and 550 µm wide, the wall obscure brownish above, paler below. **Microconidia** 9–13 × 1–1.5 µm, somewhat curved. **Macroconidia** 12–20 × 2–3 µm, straight or slightly curved.

Chemistry: Thallus K– or K+ yellow-orange, C– or C+ yellowish, KC–, Pd–; containing schizopeltic acid.

SUBSTRATE

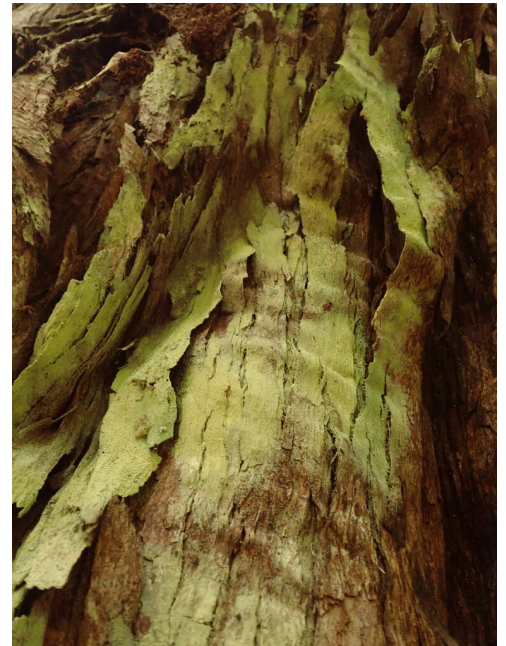
Liginicolous

ATTRIBUTION

Fact sheet prepared by Marley Ford (16 February 2024). Brief description, Distribution, Habitat, Features and Similar taxa sections copied from Galloway (2007).



Corticolous on the northern Rata, Waima Far North. Photographer: Marley Ford, Date taken: 08/01/2020, Licence: CC BY.



Corticolous on the northern Rata, Waima Far North. Photographer: Marley Ford, Date taken: 08/01/2020, Licence: CC BY.

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/lecanactis-tibelliana/>