

# Scytinium kauaiense

## SYNONYMS

*Collema kauaiense* H.Magn.

## FAMILY

Collemaataceae

## AUTHORITY

*Scytinium kauaiense* (H. Magn.) Otálora, P.M. Jørg. & Wedin

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Foliose

## CURRENT CONSERVATION STATUS

2018 | Not Threatened | Qualifiers: SO

## BRIEF DESCRIPTION

Characterised by the corticolous habit; the small to medium (3–4 cm diam.) thalli; densely isidiate lobes and lobe margins, the isidia globular to styliform to squamiform, and sometimes very small and soredia-like; and an absence of apothecia.

## DISTRIBUTION

**North Island:** Northland (Kerikeri), Auckland (Waitakere Ranges), Wellington (Palmerston North, Tararua Ranges.). **South Island:** Westland (Punakaiki, Greymouth), Canterbury (Port Hills Christchurch, Peel Forest), Otago (Merton). Coastal and inland, widely distributed. Known also from Sri Lanka, the Philippines, East Africa, South Africa, the United States including Hawai'i, and Australia.

## HABITAT

On both introduced (*Liriodendron*, *Populus*, *Salix*) and native (*Cordyline*, *Hoheria*) trees and shrubs, from forest to gardens and parks.

## DETAILED DESCRIPTION

**Thallus** to 3(-4) cm diam., foliose, rounded to somewhat irregular, rather difficult to distinguish individuals, deeply and broadly lobate, adnate or partly ascending, ± thin, of about uniform thickness, smooth or in part subpustulate, pale to dark olive-green, matt or somewhat glossy, isidiate. **Isidia** marginal and laminal, numerous, dense (laminal isidia sometimes in darkish spots) at first ± globular, soon elongate to squamiform, concolorous with thallus, simple or slightly branched. **Lobes** few, rounded to ± elongate, imbricate, 2-4(-10) mm broad, undivided or somewhat lobulate, usually ascending and undulate at margins, margins entire or densely isidiate. **Apothecia** absent in New Zealand material, in other parts of the the species range, sparse to numerous, laminal, sessile with a constricted base, to 1.6 mm diam., disc plane, red, whitish-pruinose, pruina thin to very thin or disappearing, thalline margin thin, entire, smooth or uneven or ± isidiate, persistent to ± disappearing. **Ascospores** 4 per ascus, monostichous to distichous, imbricate, fusiform, straight or slightly curved, with acute and sometimes extended apices, (4-)5-6-celled, (28-)30-36 × (6.5-)7-8.5 µm.



On cabbage tree (*Cordyline australis*). Te Pahi. Photographer: Jeremy R. Rolfe, Date taken: 19/09/2011, Licence: CC BY.



Corticolous lichen, Rotorua. Photographer: Melissa Hutchison, Date taken: 11/10/2019, Licence: CC BY-NC.

## **SUBSTRATE**

Corticolous

## **ATTRIBUTION**

Fact sheet prepared by Marley Ford (15 February 2022). 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/scytinium-kauaiense/>