

# Flavoparmelia soledians

## SYNONYMS

Parmelia soledians, Pseudoparmelia soledians

## FAMILY

Parmeliaceae

## AUTHORITY

Flavoparmelia soledians (Nyl.) Hale

## 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 lignicolous/saxicolous habit; the granular soredia that are not derived from pustules, and by the presence of salazinic acid (K+ red) in the medulla.

## DISTRIBUTION

**North island:** Northland (Kawerua, Bay of Islands, Carpenter's Bay, Hen & Chickens Islands, Little Barrier Island, Great Barrier Island), Auckland (One Tree Hill, The Domain, Cornwall Park Auckland City), South Auckland (Cuvier Island., Kauaeranga Valley, Mt William Scenic Reserve, Motuhora Island, Rurima Island, Pio Pio, Waimiha Stream), Wellington (Kapiti Island).  
**South Island:** Nelson (Mt Arthur), Marlborough (Stephens Island, d'Urville Island, Chetwode Island).

Known also from Australia, North America, Europe.

## HABITAT

Mainly on decorticated wood (fenceposts, gates, railings) rarely on rocks. A common urban lichen in Northern New Zealand.

## DETAILED DESCRIPTION

**Thallus** orbicular to spreading, closely attached, 5-12 cm diam., corticolous or lignicolous. **Lobes** small (to 5 mm wide) confluent, subirregular, rounded, margins shallowly incised. **Upper surface** plane, shining, wrinkled centrally, yellowish-green (usnic acid in cortex), sorediate. **Soralia** large, rounded, pustular, densely crowded centrally, soredia very fine, dense, farinose, yellow. **Lower surface** black, shining, with a shining black or brown naked marginal zone. **Rhizines** simple, numerous, black or pale. **Apothecia** (not seen in New Zealand material) rare, sessile, 1-4 mm diam., thalline exciple pustular.

**Chemistry:** Cortex K-, UV-; medulla K+ yellow→red, C-, KC-, Pd+ yellow-orange; containing usnic acid, salazinic acid (major), ±atranorin.



Tree in urban carpark, Grey Lynn Auckland.  
Photographer: Marley Ford, Date taken: 05/12/2021, Licence: CC BY-NC.



Corticolous on tree in urban carpark, Grey Lynn Auckland. Photographer: Marley Ford, Date taken: 05/12/2021, Licence: CC BY-NC.

### **SIMILAR TAXA**

Similar to other members of this genus but separated by the obvious K+ red reaction.

### **ATTRIBUTION**

Fact sheet prepared by Marley Ford (16 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/flavoparmelia-soredians/>