

# Pertusaria thiospoda

## FAMILY

Pertusariaceae

## AUTHORITY

*Pertusaria thiospoda* C.Knight

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Crustose

## CURRENT CONSERVATION STATUS

2018 | Not Threatened | Qualifiers: SO

## BRIEF DESCRIPTION

Characterised by the corticolous habit; 2-spored asci, conspicuous translucent ostioles; and the presence of thiophaninic and stictic acids.

## DISTRIBUTION

**North Island:** Northland (Tapotopotu Bay, Whangarei), Auckland (Rangitoto Island), South Auckland (Great Mercury Island, Slipper Island). Also known from Australia, Lord Howe Island and Norfolk Island.

## HABITAT

On mangroves (*Avicennia marina* subsp. *australasica*) and a common urban species in Auckland - Northland.

## DETAILED DESCRIPTION

**Thallus** pale yellowish green to greyish green, slightly to coarsely areolate, surface smooth or very slightly roughened, dull, without isidia or soredia. **Apothecia** verruciform, conspicuous, scattered or crowded and becoming confluent, concolorous with thallus, slightly flattened-hemispherical, not constricted at base, 0.5–1 mm diam.; ostioles conspicuous, pale, translucent, dull-yellow, 1 per verruca. **Ascospores** 2 per ascus, ellipsoidal, smooth or very slightly roughened, 80–125 × 30–45 µm.

**Chemistry:** K–, KC+ orange, C+ orange, Pd–; containing thiophaninic acid and stictic acid with traces of constictic acid and 2-chloro-6-O-methylnorlichexanthone.

## SUBSTRATE

Corticolous

## ATTRIBUTION

Fact sheet prepared by Marley Ford (4 October 2022). Brief description, Distribution, Habitat, and Features sections copied from Galloway (2007).



Corticolous on *Erythrina x sykesii* planted in pasture, Hokianga Far North. Photographer: Marley Ford, Date taken: 16/06/2020, Licence: CC BY.



Corticolous on *Erythrina x sykesii* planted in pasture, Hokianga Far North. Photographer: Marley Ford, Date taken: 18/06/2020, 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/pertusaria-thiospoda/>