

1. PaDIL Species Factsheet



Scientific Name:

Aecidium fragiforme Ces.

(Basidiomycota: Pucciniomycetes: Pucciniales)

Common Name

Aecidium fragiforme

Live link: <http://www.padil.gov.au:80/maf-border/Pest/Main/142984>

Image Library

New Zealand Biosecurity

Live link: <http://www.padil.gov.au:80/maf-border/>

Partners for New Zealand Biosecurity image library



Landcare Research — Manaaki Whenua
<http://www.landcareresearch.co.nz/>



MPI (Ministry for Primary Industries)
<http://www.biosecurity.govt.nz/>

2. Species Information

2.1. Details

Specimen Contact: Eric McKenzie - mckenziee@landcareresearch.co.nz

Author: McKenzie, E.

Citation: McKenzie, E. (2013) *Aecidium fragiforme*(*Aecidium fragiforme*)Updated on 5/7/2014 Available online: PaDIL - <http://www.padil.gov.au>

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2.2. URL

Live link: <http://www.padil.gov.au:80/maf-border/Pest/Main/142984>

2.3. Facets

Commodity Overview: Horticulture

Commodity Type: 0 Unknown

Distribution: Indo-Malaya, Oceania

Groups: Fungi & Mushrooms

Host Family: Araucariaceae

Pest Status: 0 Unknown

Status: 0 NZ - Unknown

2.4. Diagnostic Notes

****Disease****

Leaf rust, causing hypertrophy, sometimes on young shoots. Galls up to 15 mm diam. and 5 mm high, often depressed on opposite, undersurface of leaf. Yellow aecia produced on galls usually on upper surface of leaf. Most common on young plants, sometimes leading to defoliation.

****Morphology****

Aecia and *_pycnia_* aggregated on spots, spots more or less circular, sometimes causing a convex/concave leaf distortion or some crimping of the leaf, initially yellow becoming reddish brown, up to 2 cm diam.; *_pycnia_* 0.1 mm diam; aecia yellow, circular or subcircular, ca. 1 mm diam., surrounded by epidermal tissue, usually on upper surface of leaf. *_Aeciospores_* pale yellow (fading to subhyaline), angular, subglobose or oval, 32–50 × 28–40 µm, wall 4–6 µm thick, coarsely covered in conical spines. *_Uredinia_* and *_telia_* not known.

****Notes****

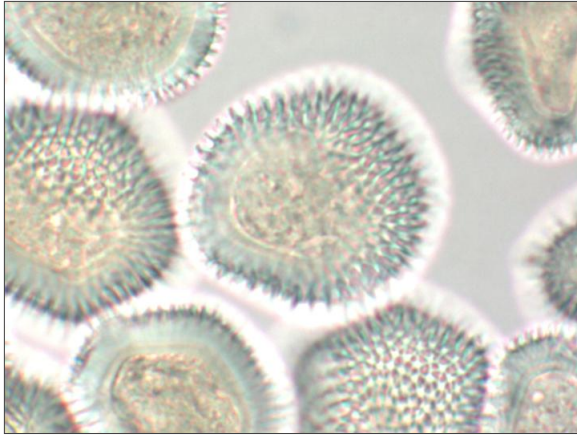
Records of rust on *_Agathis_* spp. in New Caledonia refer to another rust, *_Aecidium balansae_* Cornu ex Pat., distinguished primarily by ornamentation of the aeciospore surface. This rust, on *_Agathis ovata_* and *_A. moorei_*, is known only from New Caledonia.

2.5. References

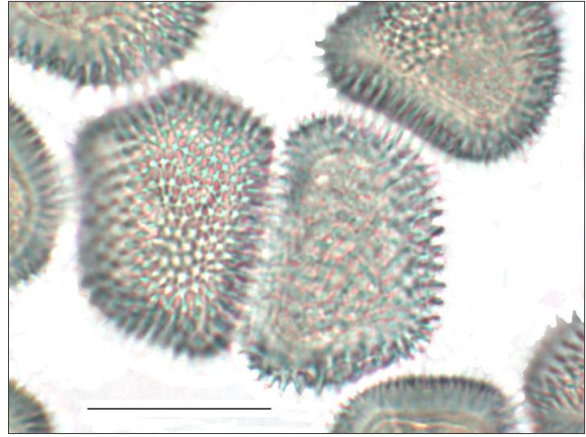
- Peterson, R.S. (1968). Rust fungi on Araucariaceae. *_Mycopathologia et Mycologia Applicata_* 34, 17–26. - Punithalingam, E. & Jones, D. (1971). *Aecidium* species on Agathis. *_Transactions of the British Mycological*

Society 57_, 325–331.

3. Diagnostic Images



Aeciospores of *Aecidium fragiforme*
Aeciospores: E. McKenzie Landcare Research



Aeciospores of *Aecidium fragiforme*
Aeciospores: E. McKenzie Landcare Research



Aecidium fragiforme aecia on leaves of *Agathis vitiensis*
In Life: E. McKenzie Landcare Research



Aecidium fragiforme aecia on leaves of *Agathis vitiensis*
In Life: E. McKenzie Landcare Research

Results Generated:

Thursday, February 27, 2020

