

# 1. PaDIL Species Factsheet



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## Scientific Name:

*Leptosphaerulina trifolii* (Rostr.) Petr.

(Ascomycota: Dothideomycetes: Pleosporales)

## Common Name

*Leptosphaerulina trifolii*

Live link: <http://www.padil.gov.au:80/maf-border/Pest/Main/143034>

## Image Library

New Zealand Biosecurity

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

## Partners for New Zealand Biosecurity image library



Manaaki Whenua  
Landcare Research

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](mailto:mckenziee@landcareresearch.co.nz)

**Author:** McKenzie, E.

**Citation:** McKenzie, E. (2013) *Leptosphaerulina trifolii* (*Leptosphaerulina trifolii*) Updated on 4/10/2014

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/143034>

### 2.3. Facets

**Commodity Overview:** Field Crops and Pastures

**Commodity Type:** 1 Other, Fabaceous produce, Nuts, Taro tubers, Yam

**Distribution:** Oceania, Afrotropic, Antarctic, Australasia, Indo-Malaya, Nearctic, Neotropic, Palearctic

**Groups:** Fungi & Mushrooms

**Host Family:** Araceae, Brassicaceae, Dioscoreaceae, Fabaceae

**Pest Status:** 1 NZ - Non-regulated species

**Status:** NZ - Exotic

### 2.4. Other Names

*Sphaerulina trifolii* Rostr.

### 2.5. Diagnostic Notes

**\*\*Disease\*\***

On dead areas of leaves, although pathogenic on some plants. Associated with a leaf spot of taro, also corm rot.

**\*\*Morphology\*\***

*\_Ascomata\_* immersed. *\_Asci\_* sac-like, 8-spored, 50–90 × 40–60 µm. *\_Ascospores\_* 25–50 × 10–20 µm, irregularly arranged in ascus, hyaline, slightly darkened when mature, ellipsoid, straight or slightly curved, 3–4-transverse septa and 0–2 vertical septa.

### 2.6. References

- Booth, C. & Pirozynski, K.A. (1967). *\_Leptosphaerulina trifolii\_*. C.M.I. Description of Pathogenic Fungi and Bacteria 146\_, 1–2. - Ellis, M.B. & Ellis, J.P. (1985). *\_Microfungi on Land Plants\_*. An Identification Handbook. Macmillan Publishing Company, p. 437, plate 163.

### 3. Diagnostic Images



*Leptosphaerulina trifolii* asci and ascospores  
**Ascospores:** Fred Brooks University of Hawaii at Manoa



*Leptosphaerulina trifolii* asci and ascospores  
**Ascospores:** Fred Brooks University of Hawaii at Manoa



*Leptosphaerulina trifolii* symptoms on taro leaves  
**In Life:** E. McKenzie Landcare Research



*Leptosphaerulina trifolii* symptoms on taro leaves  
**In Life:** E. McKenzie Landcare Research

Results Generated:

Wednesday, April 1, 2020

