

Tomato leaf mould (076)

Summary

- Worldwide distribution. In tropical and warm temperate countries. An important disease.
- Spots merge, leaves yellow and fall; defoliation is often rapid, and losses are high. Brownish spore masses on undersides of leaves. Worse where cool and wet.
- Spread occurs in air currents, water splash, on tools.
- Cultural control: avoid planting near older crops; remove lower leaves as trusses are harvested; collect trash and burn after harvest; tolerant varieties; at least a 3-year crop rotation.
- Chemical control: copper, mancozeb or chlorothalonil. Start when spots seen, and continue until 3-4 weeks before last harvest.

Common Name

Tomato leaf mould

Scientific Name

Passalora fulva (previously known as *Fulvia fulva*, *Mycovellosiella fulva* and *Cladosporium fulvum*).

AUTHORS Helen Tsatsia & Grahame Jackson

Information from Leaf mould of tomato (2015) University of Minnesota Extension. (<https://extension.umn.edu/diseases/leaf-mold-tomato>); and CABI (2019) *Passalora fulva* (tomato leaf mould). Invasive Species Compendium. (<https://www.cabi.org/ISC/datasheet/24580>); and from *Diseases of vegetable crops in Australia* (2010). Editors, Denis Persley, et al. CSIRO Publishing. Photo 3 Kohler F, et al. (1997) *Diseases of cultivated crops in Pacific Island countries*. South Pacific Commission. Pirie Printers Pty Limited, Canberra, Australia.

Produced with support from the Australian Centre for International Agricultural Research under project PC/2010/090: *Strengthening integrated crop management research in the Pacific Islands in support of sustainable intensification of high-value crop production*, implemented by the University of Queensland and the Secretariat of the Pacific Community.



Photo 1. Yellow patches on the upper surface of the leaves of tomato leaves infected by leaf mould, *Passalora fulva*.



Photo 2. Underside of a tomato leaf showing spots of leaf mould, *Passalora fulva*, where spores are produced.



Photo 3. Close-up of top and bottom leaf surfaces of tomato with spots caused by leaf mould, *Passalora fulva*.

Copyright © 2022. All rights reserved.



Australian Government
Australian Centre for
International Agricultural Research



Web edition hosted at <https://apps.lucidcentral.org/pppw>