



Pacific Pests, Pathogens & Weeds - Mini Fact Sheet Edition

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Frangipani rust (243)



Photo 1. Defoliation of frangipani caused by rust, *Coleosporium plumeriae*.



Photo 2. Underside of leaf showing pustules of frangipani rust, *Coleosporium plumeriae*, liberating masses of spores (urediniospores).



Photo 3. Close-up of frangipani rust, *Coleosporium plumeriae*, pustules liberating spores (urediniospores).



Photo 4. Underside of leaf showing pustules of frangipani rust, *Coleosporium plumeriae*, liberating masses of spores (urediniospores).



Photo 5. Topside of frangipani leaf in Photo 2 showing greenish marks from rust infections of *Coleosporium plumeriae* from the lower surface.

Summary

- Widespread distribution. Asia, North America, Oceania. On frangipani, and Madagascan periwinkle. Spots yellowish-orange on the underside of leaves, bursting to produce powdery spore masses. Brown patches above. Usually, minor disease, although leaves fall earlier than normal. Unsightly.
- Spread as spores by wind; leaf wetness to infect.

- Cultural control: cuttings from disease-free trees; collect fallen leaves and burn; tolerant varieties.
- Chemical control: nurseries: chlorothalonil, copper, or mancozeb (protectants); or oxycarboxin or tridimefon (eradicants).

Common Name

Frangipani rust

Scientific Name

Coleosporium plumeriae

AUTHOR Grahame Jackson & Eric McKenzie

Photo 4. (taken by Eric McKenzie), and used in this fact sheet, appeared previously in McKenzie E (2013) *Coleosporium plumeriae* PaDIL - (<http://www.padil.gov.au>).

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