



Pacific Pests, Pathogens & Weeds - Mini Fact Sheet Edition

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Tobacco frog-eye leaf spot (304)



Photo 1. Round spots with white or pale brown centres caused by *Cercospora nicotianae*.



Photo 2. Black masses of the spores and their stalks in the centre of the spots.

Summary

- Worldwide distribution. On tobacco, tomato, eggplant, and weeds. Common but minor fungal disease in Oceania.
- Spots on lower mature leaves at first, moving up plant as season advances. Spots, circular, up to 15 mm diameter, brown, grey or tan, with dark borders, zoned. Centres papery, producing black masses of spores. Spots continue to develop after harvest .
- Spread as airborne or soilborne spores; possibly, seedborne. Survival in trash other crops and weeds.
- Cultural control: remove volunteers; check plants in nursery; avoid overlapping crops; weed; balanced applications of NPK (soil analyses needed); prune infected leaves as soon as spots seen; avoid overhead irrigation; collect, destroy debris after harvest; crop rotation.
- Chemical control: use chlorothanonil, copper, or mancozeb.

Common Name

Tobacco frog-eye leaf spot

Scientific Name

Cercospora nicotianae

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¹Information from Graham KM (1971) *Plant diseases of Fiji*, HMSO, London. Photo 1 R.J. Reynolds Tobacco Company Slide Set, R.J. Reynolds Tobacco Company, Bugwood.org. Photo 2 Clemson University - USDA Cooperative Extension Slide Series, Bugwood.org.

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This mini fact sheet is a part of the app *Pacific Pests, Pathogens & Weeds*

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