Pacific Pests, Pathogens, Weeds & Pesticides - Online edition

Cucumber target spot (189)

Summary

- Worldwide distribution. In the tropics. On a wide range of crops, including, beans and other legumes, capsicum, cucumber and other cucurbits, lettuce, papaya (**see Fact Sheet no. 300**), tomato. Ornamentals and weeds are also hosts. The fungus causes an important disease of tomato in Pacific islands (**see Fact Sheet no. 163**).
- Numerous yellow, round or angular spots, bordered by veins, causing leaves to dry out rapidly and fall. Spread by wind-blown rain.
- Cultural control: avoid planting near older infected crops; plant far from blocks of papaya; check seedlings for symptoms; use a trellis to aid air circulation; weed; do not work in the crops when wet; collect and burn trash after harvest; 3-year crop rotation.
- Chemical control: chlorothalonil, copper, mancozeb, start when spots seen, and then at 10-14 day intervals.

Photo 1. Cucumber target spot, *Corynespora cassiicola*, on cucumber.

Photo 2. Cucumber target spot, *Corynespora cassiicola*, causing serious yellowing, wilt and leaf drop on cucumber.

Photo 3. Cucumber target spot, *Coynespora cassiicola*, on cucumber.

Common Name

Cucumber target spot, cucumber leaf spot, Corynespora blight

Scientific Name

Corynespora cassiicola

Photo 4. Cucumber target spot, *Coynespora cassiicola*, on cucumber. Note, fruits are not attacked.

Photo 5. Close-up, cucumber target spot, *Coynespora cassiicola*, on cucumber. Note the angular shape of the lesions.

AUTHOR Grahame Jackson

Information from Corynespora blight *(Corynespora cassiicola)* in Southern Plant Diagnostic Network (undated) Invasive.org. (https://www.invasive.org/collections/viewcollection.cfm?id=3566). Photos 2&3 Konrad Englberger, Pohnpei, Federated States of Micronesia. Photo 4 Kohler F, *et al*. (1997) *Diseases of cultivated crops in Pacific Island countries*. South Pacific Commission. Pirie Printers Pty Limited, Canberra, Australia.

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