

## Eggplant leaf spot (147)

### Common Name

Eggplant leaf spot

### Scientific Name

*Pseudocercospora egenula*

### Distribution

It is recorded from Fiji, New Caledonia, Samoa, Tonga, and Wallis & Futuna. Note, *Cercospora melongenae* is present in American Samoa.

### Hosts

Eggplant

### Symptoms & Life Cycle

The leaf spots start as small round yellow flecks, which are slightly sunken. As the spots grow larger, their shape becomes more irregular, and they are surrounded by a yellow halo (Photos 1-3). The spots merge and turn brown, and the older leaves die prematurely. Fruits are rarely infected (Photo 4).

The spores of the fungus are produced on the underside of the leaf. They are spread by wind and rain splash.

### Impact

This is a wet weather fungus, with leaf spots occurring during the rainy season, November to April. The damage to the plant is relatively slight, and there are differences between varieties. The disease is not so severe that it needs control measures.

### Detection & inspection

Look for the slightly sunken irregular spots on the top surface of the leaf, surrounded by yellow haloes at first, which later merge as the leaf ages.

### Management

This disease is rarely so severe that it needs control measures.

#### RESISTANT VARIETIES

If control measures are required, test different varieties of eggplant as some are more tolerant of the disease than others.

#### CHEMICAL CONTROL

If fungicides were needed to control this disease, then use mancozeb, copper formulations or chlorothalonil.

*When using a pesticide, always wear protective clothing and follow the instructions on the product label, such as dosage, timing of application, and pre-harvest interval.*

**Recommendations will vary with the crop and system of cultivation. Expert advice on the most appropriate pesticide to use should always be sought from local agricultural authorities.**



Photo 1. Brown spots with yellow haloes, of *Pseudocercospora egenula*,



Photo 2. Irregular-shaped brown spots surrounded by yellow haloes of eggplant leaf spot, *Pseudocercospora egenula*.



Photo 3. Brown spots with yellow haloes, of *Pseudocercospora egenula*. Note that spots are on the young and old leaves, but symptoms are slight.



Photo 4. Brown spots with yellow haloes, of *Pseudocercospora egenula*. Note fruit are not infected.

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Information from Gerlach WWP (1988) *Plant diseases of Western Samoa*. Samoan German Crop Protection Project, Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH, Germany, and McKenzie EHC (1996) *Fungi, bacteria and pathogenic algae on plants in American Samoa*. Technical Paper No. 206, South Pacific Commission, New Caledonia; and from (including Photos 12&4) from McKenzie E (2013) *Pseudocercospora egenula*: PaDIL - (<http://www.padil.gov.au>).

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