PEST MANAGEMENT DECISION GUIDE: GREEN AND YELLOW LIST

Cercospora Leaf spot on African Eggplant and Nightshade

Cercospora melongenae, *C. solani*

Cercospora leaf spot symptoms (Howard F. Schwartz, Colorado State University, Bugwood.org)

Cercospora leaf spot symptoms (Mourad Louadfel, Bugwood.org)

Prevention

- Rotate with non-Solanacous species such as maize and beans.
- Use disease-free transplants.
- Contact local sellers for resistant varieties available in your area.
- Remove weeds from within and around the garden.
- Remove and destroy severely diseased leaves and plants by burning/burying.
- Intercrop with other vegetables to interrupt pathogen transmission.
- Maintain recommended spacing between plants (50 cm x 75 cm).
- Do not work with wet plants as movement can disperse fungal spores.
- Keep plants adequately fertilised. Add compost manure to the field.

Monitoring

- Monitor the field frequently and look for plants with chlorotic lesions, angular to irregular in shape.
- These later turn greyish brown with sporulation at the centre of the spot.

Direct Control

- Apply appropriate protective copper based fungicides. These can protect plants from disease: Mancozeb, common fungicides on the market include Dithane M45, Victory 72 WP AND Rodazim (50 g per 10 L of water, repeat spraying every 10 days during disease presence).
- Fungicides may be used during the seedling stage to reduce infection from soil-borne fungi. N.B. Always follow manufacturer's instructions on the product label.

Direct Control

- Use Chlorothalonil. Spray with copper-based chemical, such as copper hydroxide and copper oxychloride. Spray with Mancozeb (50 g per 10 L of water)

Restrictions

- WHO class U; Unlikely to present acute hazard in normal use. Copper hydroxide: WHO Class II. Copper oxychloride: WHO Class II. Class II is moderately hazardous. WHO Class U; Unlikely to present acute hazard in normal use.

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Uganda
CREATED/UPDATED: December 2014 & re-edited July 2018
AUTHOR(S): Benius Tukahirwa (MAAIF) & Idd Ramathani (NARO)
EDITED BY: Plantwise