



Pacific Pests, Pathogens & Weeds - Mini Fact Sheet Edition

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Tomato bacterial spot (081)

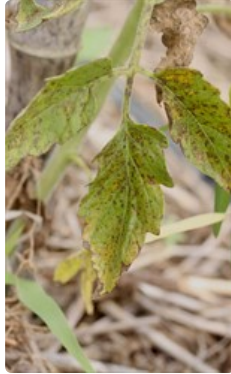


Photo 1. Bacterial leaf spot, *Xanthomonas vesicatoria*, at an early stage of development.



Photo 2. Oval spots on the leaf stalks, bacterial leaf spot, *Xanthomonas vesicatoria*.



Photo 3. Spots on the fruit, bacterial leaf spot, *Xanthomonas vesicatoria*.

Summary

- Worldwide distribution. In tropical and temperate countries. On tomato, capsicum, chillies and weeds in the potato family. An important disease.
- Spots are numerous, small (3 mm), sunken on upper surface, slightly raised below, merging at leaf tips and margins. Leaves turn yellow and fall. Spots also on leaf stalks and stems. Fruits infected via wounds.
- Spreads by seed, rain splash, handling wet plants.
- Cultural control: 2-3-year rotation; weed, resistant varieties (capsicum); healthy seed (hot water 50°C 25 mins.) and seedlings; trickle irrigation; mulch; weed; collect and burn trash after harvest.
- Chemical control: copper or mancozeb at 7-10 day intervals.

Common Name

Bacterial spot of tomato and pepper, bacterial scab, black spot

Scientific Name

Xanthomonas vesicatoria. Previously, *Xanthomonas campestris* pv. *vesicatoria*. Several strains are recognised, infecting tomato, pepper or both.

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Information CABI (2014). *Xanthomonas vesicatoria* Crop Protection Compendium (<http://www.cabi.org/cpc/>). Photo 3 *Diseases of vegetable crops in Australia* (2010). Editors, Denis Persley, Tony Cooke, Susan House. CSIRO Publishing. ¹An alternative treatment is to soak seed in 1.3% solution of sodium hypochlorite for 1 min, then rinse and dry.

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

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