

Bean angular leaf spot (216)

Summary

- Worldwide. In sub-tropics and tropics. On many types of beans. An important disease; high pod loss.
- Spots on primary leaves round, brown, zoned, up to 10 mm; smaller, 3 mm, angular, spots on trifoliolate leaves. Dark, sunken spots on stems and pods.
- Spread is by spores in wind; also on seed.
- Cultural control: certified seed; collect and burn trash after harvest; do not plant overlapping crops.
- Chemical control: treat seed with carbendazim; if fungicides are needed in the field use copper or mancozeb.

Common Name

Angular bean leaf spot

Scientific Name

Pseudocercospora griseola; previously known as *Phaeoisariopsis griseola* and *Isariopsis griseola*. Several strains of the fungus are known.

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Information from (including Photo 3) *Diseases of vegetable crops in Australia* (2010). Editors, Denis Persley, et al. CSIRO Publishing; and McKenzie E (2013) *Phaeoisariopsis griseola*: PaDIL - <http://www.padil.gov.au>; and *Phaeoisariopsis griseola* (PHAIGR) (undated) EPPG Global Database. (<https://gd.eppo.int/taxon/PHAIGR>); and from CABI (2019) *Crop Protection Compendium*. (<https://www.cabi.org/cpc/datasheet/40010>). Photo 1 Kohler F, et al. (1997) *Diseases of cultivated crops in Pacific Island countries*. South Pacific Commission. Pirie Printers Pty Limited, Canberra, Australia. Photo 2 R. Lafon, INRA, Bordeaux, Bugwood.org.

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Photo 1. Spots on trifoliolate leaves caused by the angular leaf spot fungus, *Pseudocercospora griseola*.



Photo 2. Angular leaf spot, *Phaeoisariopsis griseola*, on French bean. Some spots joining together, but many limited by the veins.



Photo 3. Large oval to circular spots on pods of bean caused by the fungus, *Pseudocercospora griseola*.

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