

## Bean Cercospora leaf spot (301)

### Summary

- Worldwide distribution. Common on food legumes, e.g., French bean, long bean, cowpea, mung bean. Minor fungal disease on older leaves.
- Small brown flecks, expanding to brown, round, to slightly angular spots with grey centres, up to 1 cm diameter. Brown margins, sometimes with yellow halos. Spots occur on pods.
- Spores are spread in wind and rain. Survival is on seed, crop debris, and weeds.
- Cultural control: wide spacing (air movement); avoid overlapping crops; remove infected leaves; avoid overhead irrigation; weed; collect debris and destroy; crop rotation (maize, sorghum, root crops); tolerant varieties.
- Chemical control: treat seed: thiram, captan or mancozeb; sprays of copper, mancozeb if needed.

### Common Name

Bean Cercospora leaf spot, Cercospora leaf spot

### Scientific Name

*Cercospora canescens*. It is considered by some taxonomists to be identical with celery early blight, *Cercospora apii* (see **Fact Sheet no. 136**), and the same as cowpea Cercospora leaf spot, *Pseudocercospora cruenta* (see **Fact Sheet no. 303**).

AUTHORS Grahame Jackson & Eric McKenzie

Information from *Diseases of vegetable crops in Australia* (2010), Editors, Denis Persley, et al. CSIRO Publishing; and (including Photo 1-3) McKenzie E (2013) *Cercospora canescens*: PaDIL - (<http://www.padil.gov.au>); and from *Cercospora canescens* (CERCEN) (undated) EPPO Global Database. (<https://gd.eppo.int/taxon/CERCEN>).

Produced with support from the Australian Centre for International Agricultural Research under project PC/2010/090: *Strengthening integrated crop management research in the Pacific Islands in support of sustainable intensification of high-value crop production*, implemented by the University of Queensland and the Secretariat of the Pacific Community.



Photo 1. Leaf spot of *Cercospora canescens* on long bean.



Photo 2. Leaf spot of *Cercospora canescens* on long bean.



Photo 3. Round, angular and merging brown leaf spots of *Cercospora canescens* on mung bean. Many of the spots show the typical grey centre.

Copyright © 2021. All rights reserved.



Australian Government  
Australian Centre for  
International Agricultural Research



Web edition hosted at <https://apps.lucidcentral.org/pppw>