



Pacific Pests, Pathogens & Weeds - Mini Fact Sheet Edition

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Bean Phaseolus rust (217)



Photo 1. Bean rust, *Uromyces appendiculatus*, on *Phaseolus* bean leaves.



Photo 2. Bean rust, *Uromyces appendiculatus*, on the top surface (right) and underside (left) of *Phaseolus* bean leaves.

Summary

- Worldwide distribution. On *Phaseolus* species. Usually, a major disease depending on variety.
- Circular pustules, 1-2 mm, light green at first on both leaf surfaces, with halos on the top. Bursting to produce reddish-brown spores.
- Spread is by spores in the wind.
- Cultural control: plant beans with maize, at random, not in rows; use a 2-year crop rotation; do not plant overlapping crops; resistant varieties; collect and burn trash after harvest.
- Chemical control: use mancozeb, starting when the spots are first seen.

Common Name

Bean rust (*Phaseolus* spp.)

Scientific Name

Uromyces appendiculatus var. *appendiculatus*. Previously *Uromyces phaseoli*.

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Photos 1 Kohler F, Pellegrin F, Jackson G, McKenzie E (1997) *Diseases of cultivated crops in Pacific Island countries*. South Pacific Commission. Pirie Printers Pty Limited, Canberra, Australia. Information from *Diseases of vegetable crops in Australia* (2010). Editors, Denis Persley, Tony Cooke, Susan House. CSIRO Publishing.

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