



Bacterial Brown Spot

Pseudomonas syringae pv. *syringae*



FIGURE 1



FIGURE 2



FIGURE 3



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PHOTOGRAPHS: Courtesy of R.M. Harveson & H.F. Schwartz [06/09]

COMMON HOSTS: Common bean, Lima bean, Pea

SYMPTOMS (ON COMMON BEAN):

FIGURE 1 • Small (approximately 1 mm or 1/16 inch diameter), circular, brown, necrotic, water-soaked lesions on upper and lower leaf surfaces; lesions may develop on petioles and stems

FIGURE 2 • Lesion coalescence and shot-hole effects on ragged leaves and canopy; water-soaking may be absent at this stage

FIGURE 3 • Large (greater than 3 mm or 1/8 inch diameter), circular, water-soaked and necrotic lesions on bean pods

FACTORS FAVORING:

- Infected seed, infested debris and volunteers from previous seasons
- Susceptible weeds such as hairy vetch
- Rainstorms and sprinkler irrigation
- Moderate temperatures with daily highs less than 30°C [86°F]

ADDITIONAL DIAGNOSTICS AVAILABLE AT:

<http://legume.ipmpipe.org>

<http://wiki.bugwood.org/PIPE:Legume>

<http://www.npdn.org/DesktopDefault.aspx>