

Pacific Pests, Pathogens & Weeds - Mini Fact Sheet Edition

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Chinese cabbage stalk rot (101)



Photo 1. Basal stem rot on Chinese cabbage, caused by *Erwinia/Pseudomonas* bacteria.



Photo 2. Basal stem rot caused by Erwinia/Pseudomonas bacteria occurs often in small patches, perhaps indicating spread between adjacent plants.



Photo 3. Bacterial rot of head cabbage caused by Erwinia/Pseudomonas spp.

Summary

- Worldwide distribution. In wet tropics and sub-tropics. On Chinese cabbage, and many other plants,
 e.g., head cabbage (slimy brown soft rots), capsicum, carrot, celery, cucumber, lettuce (see Fact Sheet no. 289), and potato (see Fact Sheet no. 296). An important bacterial disease.
- Infection occurs through wounds made by insects, at transplanting or when weeding. Plants collapse, and bacteria enter the soil and are spread by rain splash.
- Cultural control: avoid soil with history of disease; use 1-year crop rotation, or allow last crop to decompose before replanting; use raised beds to improve drainage; space plants widely allowing wind to dry leaves; mulch to prevent rain splash; weed with care; remove plants with early sign of disease; collect and burn trash after harvest.
- Chemical control: none recommended.

Common Name

Basal stem rot

Scientific Name

Pectobacterium carotovorum subsp. carotovorum; previously, Erwinia carotovora subsp. carotovora, and Erwinia aroideae. Other bacteria species may also be present in the soft rots.

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

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