

Carrot black rot (204)

Summary

- Worldwide distribution. On carrot, and other members of the carrot family (although some taxonomists dispute this, and believe the fungus only infects carrot). Importance not well documented.
- The fungus causes: (i) damping-off; (ii) stalk infection leading to crown and root infection; (iii) black sunken storage rots.
- Spread occurs on seed, and it is likely that spores are spread in rain splash.
- Cultural control: healthy seed or treat with hot water (or 0.1% sodium hypochlorite) at 50°C for 30 mins.; 3-4 year crop rotation without crops in the carrot family; collect and burn trash after harvest.
- Chemical control: none recommended.



Photo 1. Sunken black rots on carrot caused by black rot, *Alternaria radicina*.

Common Name

Carrot black rot

Scientific Name

Alternaria radicina; also known as *Stemphylium radicinum*.

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Photo 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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