

Canola and Mustard

Bacterial Pod Rot

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Identification and Life Cycle

Bacterial pod rot is caused by the bacterium *Pseudomonas syringae* pv. *maculicola*. Little is known about the disease or its life cycle, but presumably the pathogen gains entry into plants through natural openings and wounds. Like most diseases caused by *P. syringae*, splashing water, equipment, and aerosols probably disseminate the bacterium.

Plant Response and Damage

Bacterial pod rot symptoms appear as water-soaked lesions on pods that become necrotic (dead) and dry with time. The disease appears to be of little concern.

Management Approaches

Biological Control

No biological control strategies have been developed for bacterial pod rot.

Cultural Control

No cultural controls have been reported for bacterial pod rot. However, management strategies common for other diseases caused by *P. syringae* include crop rotation to non-hosts, thorough incorporation of plant debris, weed control in and around fields, and furrow irrigation from pathogen-free sources of water such as wells.

Chemical Control

Copper bactericides may provide some bacterial pod rot suppression if applied preventatively and regularly.

Product List for Bacterial Pod Rot:

Pesticide	Rate per Acre	Application Frequency	Remarks
Copper fungicides: not all formulations listed			
Champ DP	0.33-0.66 lb	7 days	

Cuprofix Disperss	1.5-2.5 lb	7-10 days	Can cause phytotoxicity
Kocide 2000	0.75-1.5 lbs	7-10 days	
Nordox	1.0-3.0 lb	7-10 days	
Nu Cop 50 WP	1.5-2.0 lb	7-10 days	

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Categories: Canola and Mustard, Disease, Bacterial Pod Rot

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