



Bio-Protection

Bioprotection science for New Zealand

Biocontrol of black rot with naturally occurring microbes in brassicas

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Location of Project: Bio-Protection Research Centre, Lincoln University

Abstract: Black rot is a common disease of vegetable brassicas, including cabbage, broccoli and kale. The pathogen, *Xanthomonas campestris* pv. *campestris*, is seed-borne. Low levels of contamination on seed can lead to severe epidemics in crops. The summer scholar will conduct trials to explore novel microbes for biocontrol of *X. campestris* pv. *campestris* in cabbage. Experience will be gained in the design, establishment and assessment of biocontrol trials, including the culture of microbes, inoculation of seeds, and visual and molecular techniques for disease detection.