

Reducing production risks of chickpeas by optimizing fungicide applications

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SPG Contributions	Project Status	Duration/Timeline of Project (Year to Year)	Co-funders	Total Project Cost
\$168,590.00	Completed	March 2008 – February 2011	Saskatchewan Ministry of Agriculture – Agriculture Development Fund (ADF)	\$314,590.00

Project Description

To investigate the effect of fungicide application timing and frequency on the control of ascochyta blight in the new generation of chickpea cultivars with partial resistance to *Ascochyta rabiei*; to compare the efficacy of different fungicide rotations on ascochyta blight control.

Outcome

Experiments confirmed that accurate timing of fungicide applications was critical, demonstrated in the significant differences among 3-spray application regimes. Experiments also clearly demonstrated the superior performance of recently developed cultivars over the older generation of chickpea cultivars. Fungicide rotation had no effect on ascochyta blight control or yield in 3 of 7 station years.

Research Objective

OBJECTIVE 1

To investigate the effect of fungicide application timing and frequency on the control of ascochyta blight in the new generation of chickpea cultivars with partial resistance to *Ascochyta rabiei*.

OBJECTIVE 2

To compare the efficacy of different fungicide rotations on ascochyta blight control.