

Developing tools for management of Lygus bugs in faba bean

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SPG Contributions	Project Status	Duration/Timeline of Project (Year to Year)	Co-funders	Total Project Cost
\$56,062.00	Active	January 2022 – February 2025	Saskatchewan Ministry of Agriculture – Agriculture Development Fund; Western Grains Research Foundation	\$209,625.00

Project Description

To gain knowledge of damage thresholds for Lygus in faba; to gain knowledge of the amount of Lygus feeding (time) required to cause pod damage in faba bean; to gain knowledge of the relationships between Lygus populations in canola and faba; to gain knowledge of optimal sampling times and new techniques for sampling Lygus in faba; to gain knowledge of Lygus preferences between faba and other crops.

Outcome

Research Objective

OBJECTIVE 1

To establish correlations between insect number and scarring damage for various Lygus species.

OBJECTIVE 4

To determine whether lygus populations in canola just before harvest are correlated to numbers in faba.

OBJECTIVE 2

To determine the amount of Lygus feeding (time) required to cause seed damage in faba bean.

OBJECTIVE 5

To evaluate Lygus preferences between faba and potential trap crops.

OBJECTIVE 3

To determine optimal sampling times and methods for faba.