

Coordination of a crop disease monitoring network for Western Canada

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SPG Contributions	Project Status	Duration/Timeline of Project (Year to Year)	Co-funders	Total Project Cost
\$3,000.00	Active	April 2018 – March 2023	Integrated Crop Agronomy Cluster	\$88,512.00

Project Description

To establish a Prairie Crop Disease Monitoring Network that integrates existing disease monitoring and surveillance and reporting activities into an overall monitoring initiative for Alberta, Saskatchewan and Manitoba; to develop protocols for scientific-based cereal disease surveys, and protocols for producer or consultant scouting-focused protocols for cereal diseases; to develop weekly or biweekly forecasts of potential movement of cereal rust spores from the USA into the prairie region; to facilitate the development of GIS mapping capacity for disease surveillance results; to assist non-cluster collaborators with training and resources to ensure sufficient expertise and capacity exist for adequate annual surveillance activities by a range of stakeholders.

Outcome

Research Objective

OBJECTIVE 1

To establish a Prairie Crop Disease Monitoring Network that integrates existing disease monitoring and surveillance and reporting activities into an overall monitoring initiative for Alberta, Saskatchewan and Manitoba.

OBJECTIVE 4

To facilitate the development of GIS mapping capacity for disease surveillance results.

OBJECTIVE 2

To develop protocols for scientific-based cereal disease surveys, and protocols for producer or consultant scouting-focused protocols for cereal diseases.

OBJECTIVE 5

To assist non-cluster collaborators with training and resources to ensure sufficient expertise and capacity exist for adequate annual surveillance activities by a range of stakeholders.

OBJECTIVE 3

To develop weekly or biweekly forecasts of potential movement of cereal rust spores from the USA into the prairie region.