



2019 Canola Agronomic Research Program (CARP)

Disease

- Screening for resistance to seedling disease / seedling disease complex (*Fusarium spp*, *Pythium spp*, *Rhizoctonia solani*)
- Evaluation of cultural control strategies, like liming and rotation, for spread reduction and management of clubroot
- Evaluation of seed treatment, in-furrow, and foliar fungicides for blackleg management
- Investigation of novel management strategies for sclerotinia stem rot
- Molecular markers for identifying different pathogens and pathotypes

Fertility/Soil Health

- Evaluation of soil test results and recommendations by lab for modern hybrid canola production on long term zero-till fields
- Understanding of the canola microbiome, such as the impact agronomic / management factors has on it

Integrated Pest Management & Sustainability

- Quantifying the shelterbelt effect on canola yield in zero-till systems.
- Crop modelling to determine the impact of climate change and landscape modification on yield
- Genetic screening for canola insect pest resistance
- Evaluation of management strategies for flea beetles alternative to neonicotinoid seed treatment

Harvest and Storage Management

- On-farm survey to benchmark threshing losses across the prairie provinces