Manitoba Canola Growers Association Research Priorities

Research is a key priority for Manitoba Canola Growers. Annually we commit 22-25% of our budget to funding research initiatives, with additional funding to support communication and continuing education for growers in Manitoba. We are committed to making grower dollars go further, and through partnerships and government funding we increased every grower dollar invested in Manitoba into 8 more dollars of research funding, supporting nearly $5.8M in total research in 2018.

The MCGA Research Committee has clearly defined objectives that are reviewed annually and support research priorities identified by Manitoba growers. For 2018-19, our research priorities include:

1. **Agronomy Research**
   A. **Diseases (priorities include clubroot, sclerotinia, blackleg, and verticillium)**
      i. Varietal resistance
      ii. Forecasting
      iii. Rotation implications
      iv. Disease implications
      v. Surveillance
      vi. Emerging or potential threats

   B. **Insects (priorities include flea beetles, swede midge, bertha armyworm, cutworms and diamondback moth)**
      i. Forecasting
      ii. Economic thresholds and management
      iii. Beneficial insects
      iv. Emerging or potential threats

   C. **Weeds**
      i. Managing herbicide resistance
      ii. Surveillance
      iii. Cultural management
      iv. Emerging or potential threats

   D. **Agronomic Practices (priorities include practices that cut costs or increase productivity)**
      i. Straight combining of canola, pod drop and pod shattering
      ii. Optimum application rates given cost of nitrogen and phosphate fertilizer (max $ to spend)
      iii. Seed mortality and survivability
      iv. Precision seeding
v. Precision farming
vi. Variable rate fertilizer
vii. New product evaluation ie. ESN, N-Serve, Super Urea
viii. Fertilizer efficiency
ix. Extreme moisture management

2. **Market Development (priority is developing new uses for canola)**
   A. Canola oil
   B. Canola meal
   C. Canola-based biodiesel
   D. Other canola products

3. **Variety Assessment**
   A. Canola varieties that do well in water saturated soil
   B. Post commercial variety evaluation

4. **Other Research**
   A. Human health benefits of canola products
   B. Animal health benefits of canola products