

CURRENTLY APPROVED PROJECTS FOR 2018

PROJECT ▼	ALBERTA CANOLA'S CONTRIBUTION ▼	PARTNERS ▼	PROJECT POTENTIAL ▼
Rapid detection and degradation of mycotoxins in animal and poultry feed materials	\$149,000	Alberta Agriculture & Forestry, Alberta Chicken	To increase the safety of livestock feeds made from canola meal and other feed grains.
Development of a harmonized clubroot map for Alberta	\$43,696	SaskCanola and Manitoba Canola Growers	Knowing where in Alberta clubroot has been established will allow for proactive management to reduce the impact of the disease on farmers crops.
Canola frequency effects on nutrient turnover and root-microbe interactions	\$80,730	SaskCanola	To have a better understanding of the soil and the impact of canola on the microorganisms in it and the effects on crop nutrient availability.
Generate knowledge and control strategies for the pollen beetle <i>Brassicogethes viridescens</i> (Coleoptera: Nitidulidae), a new invasive insect pest of canola	56,661	SaskCanola and Manitoba Canola Growers	Knowing how to deal with this invasive pest that can be very destructive to canola crops before it arrives in western Canada.
Identification and assessment of diamondback moth suppression in canola	\$99,000	SaskCanola	Knowing the threshold of diamondback moths that can be in a field before control measures need to be applied by the farmer.
Exploring Brassica oleracea for resistance to the newly emerged <i>Plasmiodiophora brassicae</i> pathotypes: Resistance mapping and introgression into canola	\$258,000	Alberta Agriculture & Forestry and Alberta Innovates	This pre-breeding work will improve the germplasm of canola so that it can have better resistance to clubroot by bringing resistance from cabbage to canola.
Rye cover crop termination date effect for no till canola emergence	\$3,430	Palliser Ag Management Society	The development of best management practices for terminating cover crops.
Re-synthesizing <i>Brassica napus</i> with clubroot resistance from C-genome	\$24,000	Alberta Agriculture & Forestry and Alberta Innovates	This pre-breeding work will improve the germplasm of canola so that it can have better resistance to clubroot by bringing resistance from the C genome.
Reducing toxicity of seed-placed phosphorus fertilizer in oilseed crops	\$100,000	SaskCanola	Better phosphorus fertilizer management. Results of this study will provide information to the producers which will allow them to optimize canola yield and profitability through improved crop establishment and phosphorus use efficiency.
Deep banding immobile nutrients under direct seeding systems to improve crop production and tackle nutrient stratification	\$62,800	Alberta Agriculture & Forestry, Alberta Innovates, Alberta Wheat	Better nutrient management by addressing nutrient stratification in the soil.
Effect of hairiness in brassica lines on the abundance, feeding and oviposition behavior of flea beetles, DBM and Aster leafhopper	\$129,870	SaskCanola	NON-transgenic, flea beetle resistant canola.
Strategies to reduce fertility inputs and improve soil health and C-sequestration in mixed crop-livestock systems	\$34,655	Alberta Agriculture & Forestry and Peace Country Beef & Forage Association	Increased ability of farmers to positively impact the health of their soils.
Agronomic and seed quality improvement of the clubroot resistant canola germplasm of canola × rutabaga cross, and fine mapping of the resistance gene	\$125,347	Alberta Agriculture & Forestry and Alberta Innovates	This pre-breeding work will improve the germplasm of canola so that it can have better resistance to clubroot by bring resistance from rutabaga to canola.



ALBERTA CANOLA

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INVESTING IN RESEARCH

TOTAL NUMBER
OF ONGOING
RESEARCH
INVESTMENTS
PROJECTS :

36

EVERY \$1 ALBERTA
CANOLA INVESTED
WAS MATCHED BY \$2.88



TOTAL BUDGET APPROVED
FOR RESEARCH IN 2018

\$3,365,975

13

NEW PROJECTS APPROVED
FOR 2018 WITH ALBERTA
CANOLA INVESTING:

\$1,167,189

YOUR ALBERTA CANOLA
DOLLARS AT WORK

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