

## *Backgrounder*

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### FUNDED PROJECTS

Recipient	Project Description	Approved Funding
University of Manitoba – Department of Plant Sciences	Cover crops and cropping systems innovation for Manitoba	\$155,509
International Institute for Sustainable Development (IISD)	Improving outcomes from agricultural best management practices in Manitoba's watersheds	\$199,982
Manitoba Wheat and Barley Growers Association Inc.	A comprehensive multi-disciplinary, multi-stakeholder approach to the development of tools and techniques to manage extreme moisture	\$703,214
University of Manitoba – Department of Human Nutritional Sciences	Cost-effectiveness analysis of the anti-inflammatory effects of flax oil	\$103,259
University of Manitoba – Department of Animal Science	Perennial forage grain for fall grazing of beef cattle	\$121,345
Cytophage Technologies Inc.	Creating bacteriophage to replace antibiotics in disease prevention within Manitoba's swine industry	\$327,600
University of Manitoba – Department of Soil Science	Biobed for managing pesticide rinsate with on-farm testing under Manitoba conditions	\$192,074
Canadian Hemp Trade Alliance	Defining best management practices and technologies for safer storage, aeration and drying of whole hemp plants and seeds	\$204,400
Function Four Inc.	Smart apiary management – using embedded sensors, machine learning, and AI to optimize production, improve product quality, economic diversification	\$458,448
St. Boniface Hospital Research Centre	The effect of flax milk on arterial hypertension – evaluation of blood pressure response by 24-hour ambulatory blood pressure monitoring	\$103,825
Manitoba Wheat and Barley Growers Association Inc.	Enhancing pre-harvest sprouting tolerance in wheat	\$116,000
University of Manitoba – Department of Plant Science	Tools for optimized plant spatial arrangement for wheat production in Manitoba	\$125,064
University of Manitoba – Department of Plant Science	Linking malt quality defects with traits of fusarium species and with malt microbiomes	\$127,440

Morden Research and Development Centre, Agriculture and Agri-Food Canada	Evaluation of genetic resistance and commercial fungicides for the management of fusarium head blight on barley and oat	\$130,195
Manitoba Pulse and Soybean Growers	Building knowledge and achieving genetic improvements to overcome the effect of drought and salinity on soybean	\$131,220
Manitoba Pulse and Soybean Growers	Defining pathogen-related soil quality targets for annual legumes to pursue through crop rotation	\$165,610
Manitoba Pulse and Soybean Growers	Development of an integrated weed management package to mitigate and manage glyphosate-resistant weeds in soybean	\$199,044
St. Boniface Hospital Research Centre	Effects of dietary flaxseed on memory and cognition	\$215,373
St. Boniface Hospital Research Centre	Flaxseed prevents broken hearts in breast cancer (CANFLAX study)	\$229,113
University of Manitoba – Department of Plant Science	Breeding and development of intermediate wheatgrass as a perennial grain crop for western Canada	\$231,374
University of Manitoba – Department of Plant Science	Building soil health on farmed clay soil in Manitoba	\$392,040
Manitoba Pulse and Soybean Growers	Development of superior Rhizobium species strains to support biological nitrogen fixation in dry bean	\$177,336