NEW RESEARCH COMMITMENTS 2021–2022

Manitoba Crop Alliance (MCA) entered into funding agreements for the following new research projects in our 2021–2022 fiscal year. The amount reflected in the "MCA Commitment" column represents the total funding over the lifetime of the project. Projects vary in length, from one year to projects ending in 2027. For more information about MCA's research program, visit mbcropalliance.ca.

Project Title	Principle Investigator	Committed Dollars	End Date
WHEAT AND BARLEY			
Enhancing capacity of barley breeding programs in Western Canada: establishing disease nurseries and a pre-breeding platform	Gurcharn Singh Brar	$12,650	2024
Western Canadian provincial malting barley field trials	Yueshu Li	$2,839	2023
Identifying weed competitive varieties in wheat and barley	Breanne Tidemann	$202,750	2026
Mitigating the risk of preharvest sprouting in Canadian malting barley	Belay Ayele	$12,075	2025
Pneumatic air seeder simulation	PAMI	$15,000	2023
Maximizing feed barley yield while minimizing lodging	Laurel Thompson	$3,034	2025
Genetic analysis and genomic selection models for leaf rust resistance in western Canadian winter wheat	Curt McCartney	$26,547	2025
New source of resistance to fusarium head blight: wheat — *Thinopyrum* derivatives	Pierre Hucl	$5,750	2025

Project Title	Principle Investigator	Committed Dollars	End Date
FLAX			
Accelerated breeding strategy for flax improvement	Bunyamin Tar'an	$73,129	2026
2022 flax co-operative trials in Manitoba	MB Ag/MCVET	$4,383	2023
WHOLE FARM			
Optimizing crop rotations to enhance agronomic, economic and environmental performance	Ramona Mohr	$227,750	2027
Evaluating the potential benefits of end-of-pipe treatments for tile drainage discharge in southwestern Manitoba undulating landscapes	David Whetter	$106,700	2026
Making cover crops work with grain cropping systems in the Canadian Prairies	Maryse Bourgault	$142,000	2025
SUNFLOWERS			
Carbon footprint for Canadian sunflower	S&T Squared Consultants	$4,200	2022
Knowledge & Research Transfer Program (KRTP)	MB Beekeepers Assoc.	$10,000	2023
TOTAL 2021-22 NEW RESEARCH COMMITMENTS:		**$848,807**	