

BMBRI Research Funding 2019-20

Barley Cluster			Funding Over Five Years (2018-23)					
Project Title	Lead Researcher	Organization	BMBRI	Other Industry	Government	Total Funding	Leverage	Continued Funding
Breeding two-row malt, feed and food varieties	Aaron Beattie	U of S	\$ 65,000	\$ 480,535	\$ 545,535	\$ 1,091,070	16X	Ongoing to 2023
Breeding malting and food barley cultivars for western Canada	Ana Badea	AAFC	\$ 82,780	\$ 760,122	\$ 842,902	\$ 1,685,804	20X	Ongoing to 2023
Breeding barley for high yield and resistance to Fusarium head blight for eastern Canada	Raja Khanal	AAFC	\$ 28,639	\$ 447,900	\$ 564,562	\$ 1,041,101	36X	Ongoing to 2023
Phenotyping barley breeding lines and germplasm for disease resistance	Kelly Turkington	AAFC	\$ 7,119	\$ 115,731	\$ 286,650	\$ 409,500	56X	Ongoing to 2023
CropSNP: ultra-low cost genotyping in barley and soy	Francois Belzile	U of Laval	\$ -	\$ 150,248	\$ 350,579	\$ 500,827	N/A	Ongoing to 2023
Barley pathogen variation and surveillance: implications for managing disease via host resistance and fungicides	Kelly Turkington	AAFC	\$ 13,000	\$ 179,860	\$ 450,004	\$ 642,864	49X	Ongoing to 2023
Developing barley germplasm with improved resistance to Fusarium head blight and other biotic stresses for western Canada	James Tucker	AAFC	\$ 90,000	\$ 516,240	\$ 1,414,558	\$ 2,020,798	22X	Ongoing to 2023
Study of Barley Quality and Process Factors that can produce Malt with potential Premature Yeast Flocculation	Yueshu Li	CMBTC	\$ 19,000	\$ 91,000	\$ 110,000	\$ 220,000	11X	Ongoing to 2023
Examination and definition of flavours and aromas and their precursors in malting barley cultivars	Yueshu Li	CMBTC	\$ 19,000	\$ 131,000	\$ 150,000	\$ 300,000	15X	Ongoing to 2023
Enhancing competitive value of barley in swine diets	Ruurd Zijlstra	U of A	\$ -	\$ 129,584	\$ 302,357	\$ 431,941	N/A	Ongoing to 2023
In-crop management strategies to reduce the impact of Fusarium head blight in barley	Kelly Turkington	AAFC	\$ 8,600	\$ 143,860	\$ 355,740	\$ 508,200	59X	Ongoing to 2023
The influence of preceding legumes and nitrogen management on malt barley yield and quality across Canada	Aaron Mills/ BreanneTidemann	AAFC	\$ 20,000	\$ 115,000	\$ 315,000	\$ 450,000	22X	Ongoing to 2023
Total			\$ 353,138	\$ 3,261,080	\$ 5,687,887	\$ 9,302,105	27X	

Integrated Crop Agronomy Cluster (ICAC)			Funding Over Five Years (2018-23)					
Project Title	Lead Researcher	Organization	BMBRI	Other Industry	Government	Total Funding	Leverage	Continued Funding
The population structure of Fusarium pathogens of small grain cereals, their distribution and relationship to mycotoxins	Bullock/ Randy Kutcher	AAFC/U of S	\$ 20,000	\$ 536,391	\$ 1,298,245	\$ 1,854,636	92X	Ongoing to 2023

Projects from the ICAC Call; Funded Outside			Funding Over Five Years (2018-23)					
Project Title	Lead Researcher	Organization	BMBRI	Other Industry	Government	Total Funding	Leverage	Continued Funding
Economic value of diversified cropping systems	Elwin Smith	University of Lethbridge	\$ 10,000	\$ 264,045	\$ -	\$ 274,045	27X	Ongoing to 2023
The population structure of Fusarium pathogens of small grain cereals, their distribution and relationship to mycotoxins	Dilantha Fernando/ Wang	U of M/ AAFC	\$ 20,000	\$ 820,075	\$ -	\$ 840,075	42X	Ongoing to 2023

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BMBRI Grants			Funding 2019-20						
Project Title	Lead Researcher	Organization	BMBRI	Other Industry	Government	Total Funding	Leverage	Notes	Continued Funding
Post-harvest treatment of malt barley grain to limit the impact of Fusarium graminearum microorganisms during malting and brewing	Kelly Turkington / Marta Izydorczyk	AAFC/ CGC	\$ 22,000	\$ -	\$ -	\$ 22,000	No Leveraging	One year project	No requests for future funding
The germinating seed microbe ecosystem of barley malt	Marta Izydorczyk	CGC	\$ 20,000	\$ -	\$ -	\$ 20,000	No Leveraging	One year project	No requests for future funding
Mycotoxin degradation in food and feed grains by atmospheric cold plasma technology	Ehsan Feizollahi	U of A	\$ 10,500			\$ 10,500	No Leveraging	One year project	No requests for future funding
Revisiting The Value of Early Fungicide Applications in Wheat	Mahnoor Asif	U of A	\$ 10,500			\$ 10,500	No Leveraging	One year project	No requests for future funding