BMBRI Research Funding 2024-25

A top priority for BMBRI is investing in research of high value to its members. BMBRI is pleased to participate as a funder in the Sustainable Canadian Agricultural Partnership (SCAP) Barley Cluster, the GROW Barley agronomy program, and to provide grants to numerous individual projects.

List of BMBRI funded research activities for 2024-25

- Nitrification inhibition on GHG emissions, soil health and barley performance (Linda Gorim, U of A) – Total funding $873,528/ 5 years
- Improving barley sustainability through integrated genetic diversity, nitrogen, and PGR management (Kiu Lui, AAFC) - Total funding $774,350/ 5 years
- Enhancing Environmental Sustainability Metrics of Finished Malt Production in Canada (Yueshu Li, CMBTC) - Total funding $446,625/ 5 years
- Enhancing the adaptation of western Canadian barley to climate change (Yadeta Kabeta, WCI) - Total funding $700,000/ 5 years
- Improving the value and environmental impact of barley through breeding (Aaron Beattie, U of S CDC) - Total funding $ 883,432/ 5 years
- Development of improved western Canadian barley robust to climate change (Ana Badea, AAFC) - Total funding $ 1,354,353/ 5 years
- Disease resistance to address environmental issues, economics, and sector resiliency (Kelly Turkington and James Tucker) - Total funding $ 1,907,101/ 5 years
- Barley pathogen variations and implications for managing disease via host resistance (Xiben Wang AAFC) - Total funding $ 512,500/ 5 years

- GROW Barley agronomy program (Hiroshi Kubota, AAFC) - $1.5 million/ 7 years
- The population structure of Fusarium pathogens of small grain cereals, their distribution and relationship to mycotoxins (Dilantha Fernando, U of M) - $840,075 / 5 years
- Role of mycorrhizae in disease-resistant genotypes of barley (Ana Badea, AAFC) – Total Funding $29,700 / 1 year
- Understanding malt quality impacts of *Fusarium* species other than *F. graminearum (*Matthew Bakker, U of M) – Total Funding $30,239 / 1 year
- Functional genomics for improved malting quality in barley (Andriy Bilichak, AAFC) – Total Funding $30,000 / 1 year
- Screening Barley for Bacterial Leaf Streak (BLS) resistance in Canadian genotypes and investigating the virulence of BLS-causing pathovars and strains on barley in the Canadian Prairies (Dilantha Fernando, U of M) – Total Funding $30,000 / 1 year

* Total funding includes the contribution of all funding partners.