

2016-17 BMBRI Grants - Final from BMBRI Board

A) 2016-17 BMBRI Grant Requests – Extension of Existing Funded Projects

Principal Applicant	Project Title	Funded Last Year?	Amount of Grant from BMBRI	Applying for Funding from Others?
AIP Cluster				
1. Dr. Bill Legge AAFC Brandon	(AIP Barley Research Cluster Activity) Barley Germplasm with Improved FHB Resistance	Yes	\$50,000 over the five year GFII program \$10,000 Approved for 2016-17 (4 th Year).	\$163,120 from WGRF over the five years Total of \$213,120 (25% industry) from BMBRI and WGRF over the five years Total of \$555,966 (75% federal) from GFII over the five years
2. Dr. Aaron Beattie U of S/CDC Saskatoon	(AIP Barley Research Cluster Activity) Breeding Two-Row Feed and Malting Barley Varieties	Yes	\$56,250 over the five years of GFII program \$11,250 approved for 2016-17 (4 th Year)	\$77,987 from WGRF over the five years \$77,987 from ABC over the five years Total of \$205,975 (25% industry) from BMBR, ABC and WGRF over the five years Total of \$617,424 (75% federal) from GFII over the five years
3. Dr. Bill Legge AAFC Brandon	(AIP Barley Research Cluster Activity) Breeding Two-row barley cultivars for western Canada	Yes	\$106,250 over the five year GFII program \$21,250 approved for 2016-17 (4 th Year)	\$181,676 from WGRF over the five years. Total of \$281,000 (25% industry) from BMBRI and WGRF over the five years Total of \$734,808 (75% federal) from GFII over the five years

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<p>4. Dr. Aaron Beattie U of S/CDC Saskatoon</p>	<p>(AIP Barley Research Cluster Activity) Association Mapping for Agronomic Traits in Two-Row Barley (malting)</p>	<p>Yes</p>	<p>\$50,000 over the five years of GFII program \$10,000 approved 2016-17 (4th year) (some of these funds reallocated to Scald project below by agreement with Cluster Committee)</p>	<p>\$5,331 from WGRF over the five years \$5,331 from ABC over the five years Total of \$60,662 (25% industry) from BMBR, ABC and WGRF over the five years Total of \$181,412 (75% federal) from GFII over the five years</p>
<p>5. Dr. Pat Juskiw Alberta FCDC Lacombe</p>	<p>(AIP Barley Research Cluster Activity) Enhancing selection for malting quality in two-rowed and hulless barley</p>	<p>Yes</p>	<p>\$80,000 over the five years of GFII program \$16,000 approved for 2016-17 (4th year)</p>	<p>\$46,468 from WGRF over the five years \$46,468 from ABC over the five years Total of \$172,973 (25% industry) from BMBR, ABC and WGRF over the five years Total of \$518,812 (75% federal) from GFII over the five years</p>
<p>6. Dr. Aaron Beattie U of S/CDC Saskatoon</p>	<p>(AIP Barley Research Cluster Activity) Scald Resistance Gene Mapping and Breeding</p>	<p>Yes</p>	<p>\$25,875 over the five years of GFII program \$5,175 approved for 2016-17 (4th year)</p>	<p>Total of \$77,280 (75% federal) from GFII over the five years</p>

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<p>7. Dr. Jennifer Zantinge Alberta FCDC Lacombe</p>	<p>(AIP Barley Research Cluster Activity) Feed and Malting barley: Linking Enzymes to Disease Resistance</p>	<p>Yes</p>	<p>\$20,000 over the five years of GFII program \$4,000 approved for 2016-17 (4th Year)</p>	<p>\$20,000 from WGRF over the five years \$20,000 from ABC over the five years Total of \$60,000 (25% industry) from BMBR, ABC and WGRF over the five years Total of \$180,000 (75% federal) from GFII over the five years</p>
<p>8. Dr. John O'Donovan et al AAFC Lacombe</p>	<p>(AIP Barley Research Cluster Activity) Effect of rate and timing of a pre-harvest glyphosate application on seed germination, yield and quality of malting barley</p>	<p>Yes</p>	<p>\$12,500 over the five years of GFII program \$2,500 approved for 2016-17 (4th year)</p>	<p>\$30,743 from WGRF over the five years. \$30,743 from ABC over the five years. \$12,500 from Rahr Malt over the five years Total of \$86,487 (25% industry) from BMBR, ABC, WGRF, RAHR Malt over the five years. Total of \$242,252 (75% federal) from GFII over the five years</p>

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<p>9. Dr. John O'Donovan et al AAFC Lacombe</p>	<p>(AIP Barley Research Cluster Activity) Quality and yield response of malting barley varieties to increasing nitrogen rates</p>	<p>Yes</p>	<p>\$12,500 over the five years of GFII program \$2,500 approved for 2016-17 (4th year)</p>	<p>\$50,072 from WGRF over the five years \$50,072 from ABC over the five years \$12,500 from Rahr Malt over the five years Total of \$125,145 (25% industry) from BMBR, ABC, WGRF, RAHR Malt over the five years Total of \$377,300 (75% federal) from GFII over the five years</p>
<p>10. Dr. John O'Donovan et al AAFC Lacombe</p>	<p>(AIP Barley Research Cluster Activity) Effect of plant growth regulator (PGR) application on yield and quality of malting barley</p>	<p>Yes</p>	<p>\$12,500 over the five years of GFII program \$2,500 approved for 2016-17 (4th year)</p>	<p>\$27,571 from WGRF over the five years \$27,571 from ABC over the five years \$12,500 from Rahr Malt over the five years Total of \$80,143 (25% industry) from BMBR, ABC, WGRF, RAHR Malt over the five years Total of \$245,300 (75% federal) from GFII over the five years</p>

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<p>11. Dr. Aaron Mills AAFC Charlottetown</p>	<p>(AIP Barley Cluster Activity) Malting Barley production cultural practice evaluation in Maritime Canada</p>	<p>Yes</p>	<p>(\$10,000 over five years With funding from new BMBRI eastern Canada craft brewer members) \$2,000 approved for 2016-17 (4th year)</p>	<p>Total over 5 years: \$10, 000 from BMBRI/Eastern Craft Brewers \$45, 800 from ABC \$140,000 from AAFC</p>
<p>Total AIP Barley Cluster (A)</p>			<p>\$87,175 from BMBRI per year to AIP Cluster Projects</p>	<p>Total All Above Cluster Projects = \$11 million over 5 years = \$2.2 million year</p>

B) 2016-17 Grant Requests: New Project Applications

<p>Non AIP Projects</p>				
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<p>12. Dr. Ludovic Capo-Chichi Alberta Innovates - Technology Futures.</p>	<p>Development of malting barley varieties with improved cold tolerance and malting quality.</p>	<p>New Project. Follow up from previous project funded in previous 3 years</p>	<p>Funding from BMBRI with AITF support will be used to get started with field trial at Vegreville in May 2016 field season.</p> <p>\$9,000 allocated</p>	<p>Applying for additional funding from other sources as follows:</p> <ol style="list-style-type: none"> 1) Alberta Innovates – Technology Futures (AITF) Cash: \$150,000 over three years. 2) Alberta Innovates – Technology Futures (AITF) In-Kind: \$45,000 for three years 3) Field Crop Development Centre (FCDC) In-Kind: \$60,000 for three years 4) Crop Development Centre (CDC) In-Kind: \$30,000 for three years 5) We will be applying in November 2016 a total of \$150,000 for three years from Alberta Agricultural Funding Consortium.
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<p>Dr. Aliaa El-meزawy Crop Pathology and Biotechnology, Alberta Innovates – Technology Futures</p>	<p>Genetic Improvement of Malting Barley through Mutation Breeding</p>	<p>New Project Year 1 of 3</p>	<p>\$10,000 to be allocated</p>	
<p>Dr. Jaswinder Singh University of McGill</p>	<p>New strategy for targeting beta-glucan activity in malting barley</p>	<p>New Project Year 1 of 3</p>	<p>Stipend for a Ph. D. student and materials and supply including indirect costs. \$10,000 allocated</p>	<p>We will use this BMBRI funding to attract further funding from other sources such as NSERC-CRD, NSERC strategic grants etc.</p>
<p>Dr. Yueshu Li and Peter Watts CMBTC</p>	<p>Study of flavour attributes in Canadian malting barley varieties CDC Kindersley and AAC Synergy</p>	<p>New Project Year 1 of 2</p>	<p>\$5,000 Allocated</p>	<p>BMBRI \$30,000 Industry Cash \$10,000 Industry In-kind \$20,000 Other government cash \$0 Other government in-kind \$0</p>
<p>James Tucker and Dr. Fernando/Badea/Legge</p>	<p>Analysis of Transcript Abundance in Two-row Malting Barley on Interaction with <i>Fusarium graminearum</i> Chemotypes</p>	<p>New Project One year project only</p>	<p>\$10,000 allocated</p>	<p>Overall Project Costs \$49,459. Application also submitted to Manitoba Wheat and Barley Growers Commission for partial funding (outcome still pending) Remaining costs would be covered in-house</p>

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<p>Dr. Marta Izydorczyk, CGC Grain Research Lab/ U of M Adjunct Professor</p>	<p>Effects of digestibility of barley cell wall polysaccharides on viscosity and filterability of wort</p>	<p>Extension of previous 2 Year project for one Final Year</p>	<p>\$11,000 allocated</p>	<p>\$41,000 from others (including NSERC cash grant and portion of GRLsalary for the GRL/U of M research scientist) for a total project cost of \$52,000</p>
<p>Total Other Non-AIP Cluster Grants (B)</p>			<p>\$55,000 allocated</p>	
<p>Total Approvals and Allocations for 2016-17. i.e., Extension of existing grants + New Grants(A + B above)</p>			<p>\$87,175 + \$55,000 = \$142,175</p>	