



DATE ISSUED: October 13, 2015

TO: Barley, Corn, Oat, Soybean and Wheat Researchers

FROM: Grain Farmers of Ontario
Josh Cowan (joshcowan@gfo.ca; 519-767-4129)

SUBJECT: Call for Research Proposals

DUE DATE: Friday, December 4, 2015 by 5:00 pm

****Note that there is also a Market Development Call for Proposals open for applications.****
Please ensure you are using the correct application templates.

Investment in research is a long-term strategic initiative of the Grain Farmers of Ontario. Our goal is to target our research and innovation investments toward opportunities that will enhance our farmer members' returns. The updated 2015-2016 Grain Farmers of Ontario research priorities are attached and available online at www.gfo.ca/research.

For our 2015 Call for Research Proposals we will be accepting barley, corn, oat, soybean, and wheat proposals under our four priority areas as described in our 2015-2016 Research Priorities document: **Agronomy & Production; Weed, Disease & Insect Pests; Breeding & Genetics; and Crop Quality & Utilization**. Please note that barley and oat are new additions to our research program, and we look forward to receiving proposals focused on these crops.

We are accepting all proposals in these areas but would like to highlight the following specific high priority areas for which we would like to target increased research investment:

- Identifying the impacts of various tillage systems and major soil types on phosphorous and nitrogen recommendations that would ensure productive crops and mitigate nutrient losses
- Identifying and validating best management practices for phosphorous in terms of both crop productivity and potential for phosphorous loss (in soluble and particulate forms) throughout a year, including consideration of soil type and weather
- Evaluating the impacts of soil phosphorous stratification on soil tests in various tillage systems and the effectiveness of soil test-based phosphorous recommendations to ensure sufficient phosphorous for the crop and mitigate phosphorous losses under the various tillage systems
- Improving nitrogen recommendation models to better address both supply and demand for nitrogen during the growing season, factoring in the relevant effects of weather and soil type

- Developing new food or bio-products from barley, corn, oat, soybean, and/or wheat linked to existing and emerging market opportunities for use of Ontario grain
- Identifying and characterizing quality and functional parameters relevant to specific end uses or identity-preserved market opportunities for barley, corn, oat, soybean, and wheat

PROPOSAL SUBMISSION PROCESS:

For your submission, please complete both the Research Proposal template and the Budget template. Instructions are contained within the templates. It is important to express how your research will benefit Ontario's barley, corn, oat, soybean and wheat farmers (Part 4 of the proposal), and to use laymen's terms when describing your project. If there is confidential content within your proposal, please identify the sensitive content. Grain Farmers of Ontario strongly encourages partnerships amongst research institutions and with other funding agencies. If you would like to discuss linkage with other funding programs please give us a call.

We encourage pre-submission consultation for all proposals, but particularly for those that fall under the priority area of Crop Quality and Utilization. Please call Josh Cowan at 519-767-4129 to discuss your proposal ideas or any questions regarding the templates.

Researchers seeking funding in 2015 must submit proposals by the deadline of **Friday, December 4, 2015 at 5:00 pm**. All proposals will be reviewed by the Grain Farmers of Ontario Research Committee and Board of Directors. It is expected that researchers will be notified of the funding decisions in mid-February, 2016.

Please submit completed research proposal documents *in their original MS Word or MS Excel file formats* by email to: joshcowan@gfo.ca

If you have any questions, contact details for the Call for Proposals are listed below:

Josh Cowan
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