



## **Call for Participants: Manitoba Crop Alliance 2024 Research on the Farm Trial Program**

Have you ever considered trying out a new practice or product on your own farm? With your own equipment? Would you like to learn more about doing your own research? Are you a member of the Manitoba Crop Alliance (MCA)? Consider participating in an MCA trial! MCA is conducting our Research on the Farm program with projects on wheat, barley, corn, flax and sunflowers available for farmers to participate in for 2024!

### **A) Spring Wheat Ultra Early Planting**

**Objective:** The purpose of this project is to quantify the impact of seeding date on Spring Wheat.

**Benefits to MB Producers:** Examining the impact planting at soil temperatures of 2.5-5 °C. Can we plant earlier, potentially harvest earlier, and spread out our planting over a longer period of time?

### **B) Seeding Rates in Barley and Flax**

**Objective:** To quantify the impact of plant stand on the agronomic and economic implications in each crop type.

**Benefits to MB Producers:** How will a lower or high plant stand affect the health of your crop? Will it affect the yield and ultimately the returns to your farming operation?

### **C) Enhanced Efficiency Fertilizer Usage in Spring Wheat**

**Objective:** To quantify the agronomic impact of enhanced efficiency fertilizer (EEF) usage in spring wheat on yield and protein.

**Benefits to MB Producers:** How will EEFs respond under dry/wet conditions? Is there a blend that shows promise with your farming operation? Does the use of an enhanced efficiency fertilizer add to your wheat crop's yield or seed protein levels?

### **D) Fungicide use on Sunflower and Flax**

**Objective:** The purpose of this project is to quantify the impact of a fungicide treatment on each crop.

**Benefits to MB Producers:** Is there a benefit to using one fungicide over the other to mitigate disease in the crop type? How much yield boost will these fungicides give?

### **E) Avian Control product use on Sunflower**

**Objective:** The purpose of this project is to quantify the impact of Avian Control as a deterrent for Blackbirds in sunflower.





**Benefits to MB Producers:** How effect is an avian control product at mitigating bird damage in sunflowers? What is the ROI?

### **F) Nitrogen Fixing Biological Products on Corn and Wheat**

**Objective:** Is to quantify the agronomic impacts of biological fixing nitrogen products (Envita) on grain corn and spring wheat for yield and quality.

**Benefits to MB Producers:** Does it make sense to use a nitrogen fixing biological on your corn or wheat crop in Manitoba to fulfill the mid to late season nitrogen fertility gap? This is a question from our farmer members to determine if a nitrogen fixing biological product will increase yields in corn or wheat when applied.

### **G) Seed treatment in Barley**

**Objective:** The purpose of this project is to quantify the impact of a seed treatment on Barley.

**Benefits to MB Producers:** Does it make sense to use a seed treatment on barely? How effective is the seed treatment?

### **H) Varying Nitrogen Rates for Malt Barley**

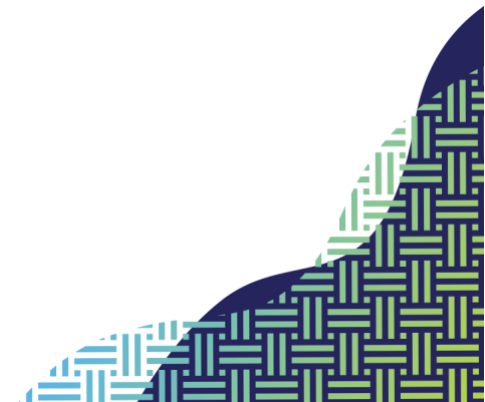
**Objective:** The purpose of this project is to quantify the agronomic and economic impacts of increasing Nitrogen rates from the producer's normal nitrogen rate in the latest Malt Barley varieties

**Benefits to MB Producers:** Producers normally dial down their nitrogen rate when planting malt barley to avoid overproducing protein, this can have limitations on yield and potential for barley. This will examine if the producer could increase nitrogen rate to benefit yield, while also examining the effect it has on protein production.

### **I) Removing starter phosphorous when planting corn**

**Objective:** The purpose of this project is to quantify the impact of starter Phosphorus in Corn.

**Benefits to MB Producers:** There is some anecdotal evidence that fields with 30+ ppm of phosphorous in initial soil tests do not require additional phosphorous for corn planting. By comparing those with phosphorous down and those without it will give an idea of how available this phosphorous is and if it really gives a yield advantage or not.





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## Interested in Participating?

If you are interested in participating in any of these trials, please contact Daryl Rex, Research Trial Specialist at 204-745-6661 or email [daryl@mbcropalliance.ca](mailto:daryl@mbcropalliance.ca) or Jordan Karpinchick, Trial Coordinator with Tone Ag Consulting, at 204-433-7189 or email [jordankarpinchick@toneag.com](mailto:jordankarpinchick@toneag.com).

For more information on MCA's Research On The Farm trial program, including results from previous years and current Research On the Farm projects, [visit our website](#).

