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Research Category: MGMT

Duration of Award: 1 Year

Project Title: Uniform Fungicide Tests for the Control of FHB in Minnesota.

PROJECT 3 ABSTRACT

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This coordinated project addresses goals 2 and 4 of the Fusarium Head Blight (FHB) Management Action Plan: 2) develop the next generation of management tools for FHB/DON control; and 4) enhance communication and end user education/outreach.

Within the coordinated project, there are two sub-projects: i) Uniform Fungicide Tests; and ii) Uniform Biocontrol Agent Tests. This project will address only the Uniform Fungicide Test objective following a standard protocol.

One of the key strengths of the whole project is the wide geographical distribution of research sites and number of different small grain classes in which these trials will be conducted. The incorporation of diverse research sites and crops helps ensure a more robust data set and stronger FHB management recommendations in the end. Also, data collected from uniform trials conducted in previous years that were supported by the USWBSI have been used to help support new fungicide registrations that have improved the choices available to growers and crop managers. In fact, for the past two seasons, small grain producers in several states have had access to multiple fully registered and labeled fungicide products with good efficacy against FHB. Compare that to the prior decade where producers had, at most, one effective active ingredient to use under conditional permits. A major limitation exists however in that under moderate to severe FHB pressure, the current fungicides available still do not give fully effective control of FHB or DON. Evaluating new chemistries, mixtures of chemistries, biological agents, and application methods will provide new information that can be used to “develop the next generation of management tools for FHB/DON control”.

The overall objective of the whole project is to identify the most efficacious fungicide and biological materials for use across all barley and wheat market classes and growing environments.