

2011 North Dakota  
Cereal Seed Treatment  
and Foliar Fungicide  
Results  
NDSU Ext. and Exp. Station



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# 2011 NDSU Small Grain Fungicide Field Trials

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This packet contains a compilation of NDSU Extension and NDSU Research Extension Center seed treatment and foliar fungicide trial results on barley, durum, spring wheat, winter wheat, and corn in North Dakota in 2011. In addition, several integrated studies of multiple pest management methods are included, studies sponsored by the US Wheat and Barley Scab Initiative (USWBSI). These experiments also were financially supported by other resources, including many crop protection companies, Ducks Unlimited, and state appropriated dollars.

The 2011 growing season began very wet, with severe flooding in many regions, which resulted in prevented planting in some areas, and drowned out research plots, as well. Early wet conditions were followed by warm, sometimes too dry, conditions in July, plus some severe hail destroyed many fungicide plots at the Carrington Research Extension Center. Fungicide studies also were impacted by diseases that could not be managed with fungicides, such as virus diseases, including wheat streak mosaic and barley yellow dwarf, and the bacterial disease called bacterial streak. Overall, yields in small grain plots were below normal, and fungal disease levels were not severe in most trials.

Cooperators for each trial, and funding sources, are indicated on each report. Most products tested are registered products, but a few trials contained experimental products, and these are listed as experimental. Trials were coordinated by: Roger Ashley, Dwain Barondeau, Gregory Endres, Eric Eriksmoen, Pat Gross, Scott Halley, Bryan Hanson, John Lukach, Glenn Martin, Marcia McMullen, Jeremy Pederson, Joel Ransom, and Blaine Schatz. Many technical and county staff contributed greatly to the planting, maintenance, spraying, disease rating, and harvesting of the plots. Without them, this work would not get completed.

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