



Nebraska On-Farm Research Network

At-plant Xyway fungicide for disease management

Protocol developed by: Talon Mues and Tamra Jackson-Ziems, UNL Extension Corn Pathology

Objective: Determine the effects of Xyway LFR applied via 2x2 or in-furrow at planting on crop stand, corn disease incidence/severity, and yield.

Rationale: Corn diseases have the ability to reduce crop yield and stand. Applications of some fungicides in-furrow or 2" x 2" at planting may improve crop stand, vigor, disease control, and/or yield.

Treatment Design: The following is the treatment design for in-furrow or 2" x 2" applications of Xyway LFR compared to a nontreated control. Treatment 1 is a nontreated check that has no Xyway LFR applied at planting. Treatment 2 includes a Xyway LFR either in-furrow or with a 2" x 2" system. Xyway LFR will be applied at a rate of 15.2 fl oz/acre. A minimum of 4 replications of each treatment are recommended for this trial. The same hybrid and management practices should be used across the entire study area.

NOTE: Rows planted in each treatment need to be equal to or greater than corn head width.

Replication 1	Treatment 1	Yield:
	Treatment 2	Yield:
Replication 2	Treatment 2	Yield:
	Treatment 1	Yield:
Replication 3	Treatment 2	Yield:
	Treatment 1	Yield:
Replication 4	Treatment 1	Yield:
	Treatment 2	Yield:

*Xyway LFR may be available at no cost from FMC

Grower Requirements:

1. Flag or mark GPS location of each treatment.
2. Provide all necessary inputs for crop production.
3. Complete background agronomic form about site and practices.
4. Collect yield data and grain moisture with weight wagon or yield monitor. If using yield monitor, please designate a separate "load" for each treatment and set up separate "products" names for each treatment harvested. Yield monitor must be **well calibrated**. Contact UNL Extension if assistance with this process is needed.
5. Collect stand counts at harvest.
6. Submit harvest data to UNL Extension within 30 days of harvest or by Dec. 15.
7. Allow UNL Extension to use submitted and collected data for research, educational, and informational purposes.

Nebraska On-Farm Research Network will:

1. Provide technical assistance in setting up replicated and randomized experimental design.
2. Provide assistance upon request with treatment implementation, flagging, stand counts, stalk rot tests, foliar disease ratings, and recording yield.
3. Analyze raw data using statistical analysis and provide this information to the grower.

Disclaimer: The Nebraska On-Farm Research Network does not endorse the use of products tested in on-farm replicated strip trials. While treatments are replicated within trials and may be replicated across multiple sites under various conditions, your individual results may vary.

Copyright ©2015

Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

University of Nebraska–Lincoln Extension educational programs abide with the nondiscrimination policies of the University of Nebraska–Lincoln and the United States Department of Agriculture.

