



Tailored Solutions for Corn in Michigan

Trial Objective

- The objective of this trial was to evaluate tailored solutions for fungicide applications using FieldView™ digital insights in Michigan.
- Data generated from this trial will help to reinforce and improve FieldView™ recommendations for fungicide application for corn products with varied levels of disease susceptibility.

Location	Soil Type	Previous Crop	Tillage Type	Planting Date	Harvest Date	Potential Yield (bu/acre)	Seeding Rate (seeds/acre)
Williamston, MI	Loam	Soybean	Conventional	5/9/22	10/7/22	200	33,000

Experiment/Trial Design

- A split-block design with three replications was used to compare yield response of four corn products to a fungicide application at the R1 growth stage (Figure 1).
- Treatments
 - Four SmartStax® RIB Complete® corn blend products with relative maturities (RM) ranging from 99 to 102: Product A (RM 99), Product B (RM 100), Product C (RM 101), Product D (RM 102).
 - Fungicide: Untreated and Delaro® Complete Fungicide at 10 oz/acre at R1 growth stage.

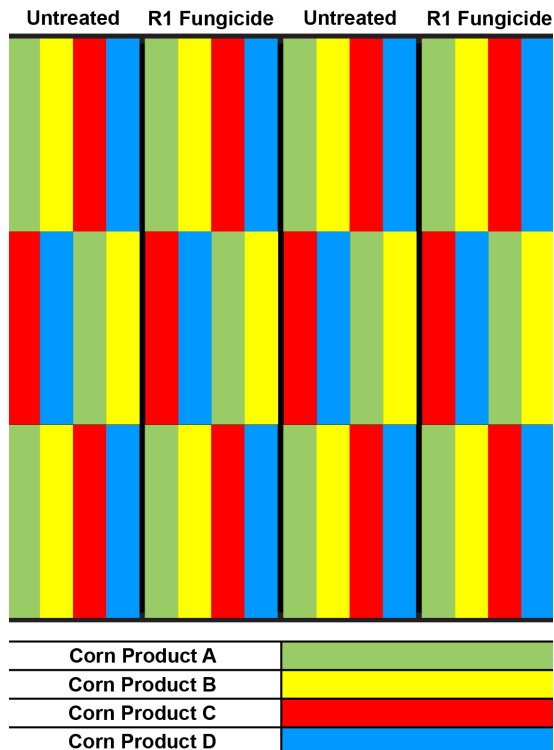


Figure 1. 2022 trial layout was a split plot design comparing response of corn products to fungicide application at the R1 growth stage.



Tailored Solutions for Corn in Michigan

Understanding the Results

- While disease pressure was low at this location in 2022, data is used to bolster the FieldView™ digital insights model for tailored solutions.
- In this trial, when treated with Delaro® Complete Fungicide at the R1 growth stage the four corn products had an average yield advantage of 8 bu/acre over the untreated check (Figure 2).
- In 2022, corn product C (101 RM) showed the greatest response to fungicide application with an increase of 11 bu/acre over the untreated (Figure 3).

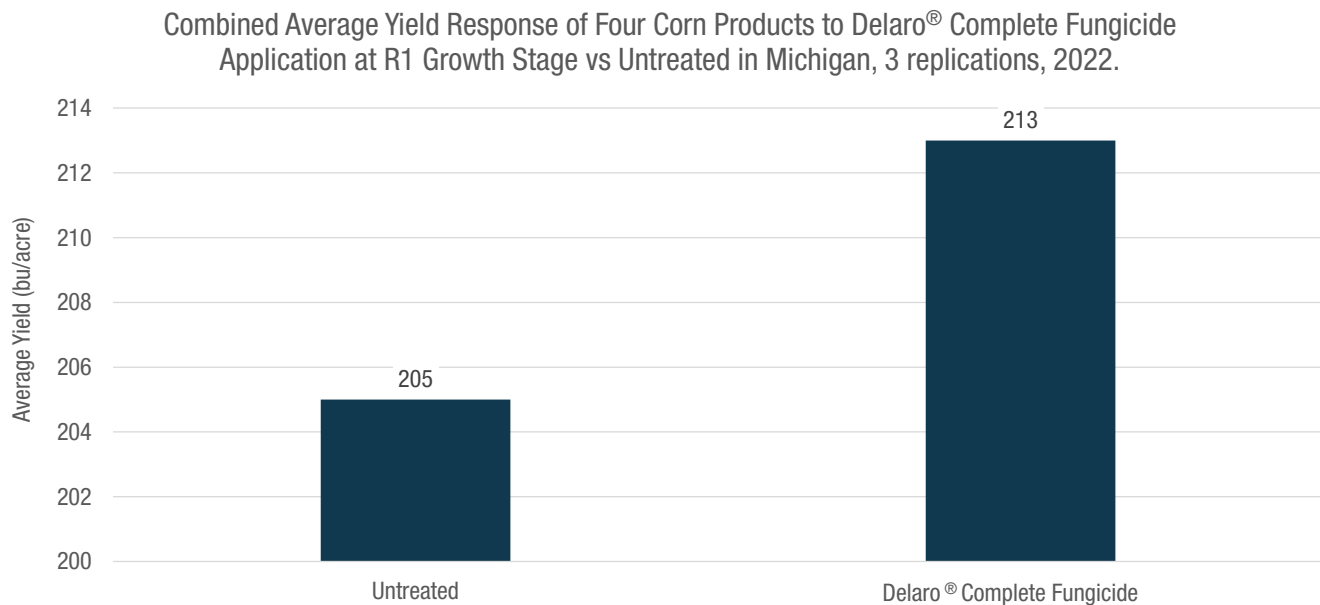


Figure 2. Combined average yield (bu/acre) response of four corn products to Delaro® Complete Fungicide application at R1 growth stage compared to the untreated in Michigan, 2022, (3 replications).



Tailored Solutions for Corn in Michigan

Average Yield Comparison of Four Corn Products to Delaro® Complete Fungicide Application at R1 Growth Stage vs Untreated Check in Michigan, 3 replications, 2022.

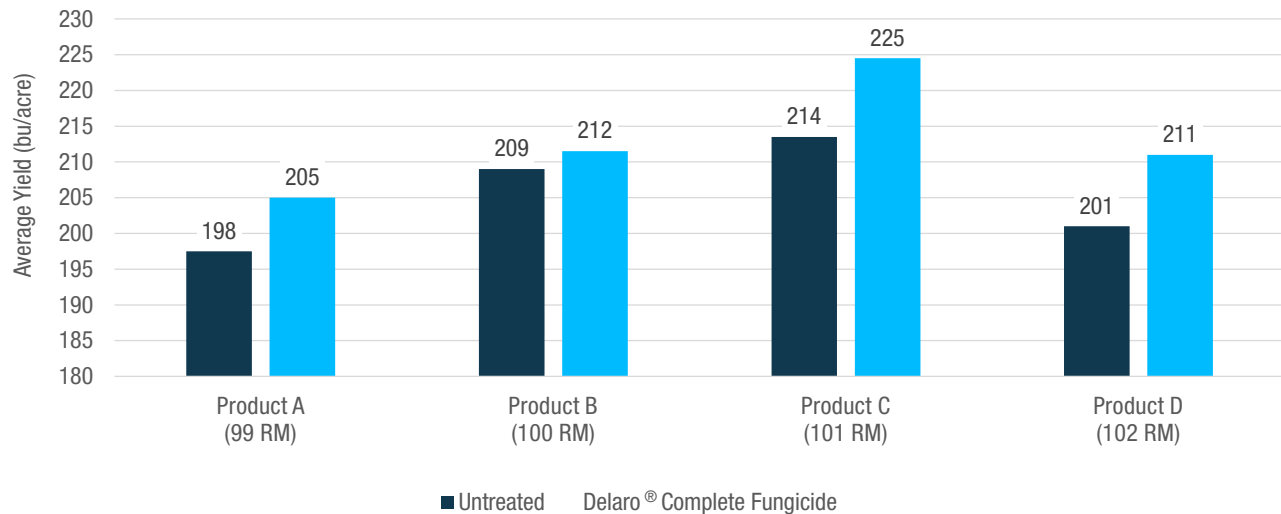


Figure 3. Average corn product yield comparison of four corn products to Delaro® Complete Fungicide application at R1 growth stage vs untreated checks in Michigan, 2022 (3 replications).

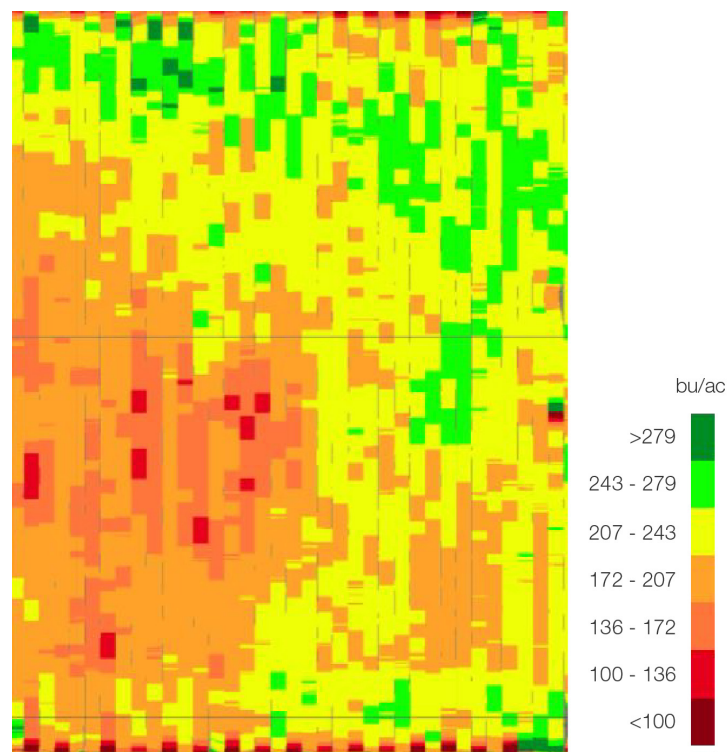


Figure 4. 2022 Michigan FieldView™ digital insights spatial yield data from the trial area showing yield variation.



Tailored Solutions for Corn in Michigan

Key Learnings

- While very little disease pressure was present at this location in 2022, the average yields of Delaro® Complete Fungicide treated corn at the R1 growth stage was 8 bu/acre higher than the untreated corn.
- The magnitude of yield increase varied by corn product and this information will help to provide a better understanding for development of tailored solutions in FieldView™ digital insights.

Legal Statements

The information discussed in this report is from a demonstration. This informational piece is designed to report the results of this demonstration and is not intended to infer any confirmed trends. Please use this information accordingly.

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Performance may vary, from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

IMPORTANT IRM INFORMATION: Certain products are sold as RIB Complete® corn blend products, and do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. Products sold without refuge in the bag (non-RIB Complete) require the planting of a structured refuge. See the IRM/ Grower Guide for additional information. Always read and follow IRM requirements.

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