



Climate FieldView™ Platform: Impact of Delaro® 325 SC Fungicide on Corn Products

Trial Objective

- The objective of this study was to determine the impact of corn product and fungicide on corn yield when utilizing Climate FieldView™ digital technology.
- The study was conducted on a local farmer's irrigated pivot near Hershey, NE. This farmer had little to no experience with using Climate FieldView™ or a fungicide application on corn at the VT growth stage.

Research Site Details

Location	Soil Type	Previous Crop	Tillage Type	Planting Date	Harvest Date	Potential Yield (bu/acre)	Seeding Rate (seeds/acre)
Hershey, NE	Sandy loam, Hord silt loam	Corn	Strip tillage	5/10/19	11/6/19	280	32K

- The trial was conducted on an irrigated pivot that was split in half with the same five corn products (a 105, 106, 108, 110, and 114 RM product) planted on each half.
- On half of the pivot, 11 fl oz/acre of Delaro® 325 SC fungicide was applied at VT growth stage (July 31) while the other half did not receive a fungicide application. Disease pressure was low with no diseases above an economic threshold level.
- Herbicide applications and fertility were constant throughout the field.
- Row spacing was 30 inches.
- Fieldview™ was utilized throughout the growing season to monitor crop health (Figure 1 and 2).



Figure 1. Climate Aerial field health image taken Aug 4 (bottom half received fungicide).

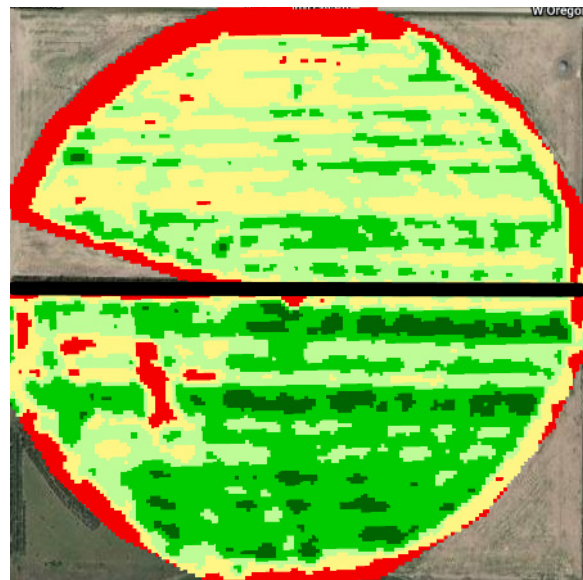


Figure 2. Climate Aerial field health image taken Aug 29.



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Understanding the Results

- Each of the five corn products responded positively to the fungicide application with all products yielding between 230 to 250 bu/acre (Table 1).

Table 1. Average yield and response to fungicide for all corn products.					
Corn Product	Average Yield with Fungicide (bu/acre)	Average Yield without Fungicide (bu/acre)	Average Yield Response to Fungicide (bu/acre)	Grain Moisture with Fungicide	Grain Moisture without Fungicide
105RM	247	244	+3	14.9%	14.9%
106RM	245	242	+3	15.9%	15.9%
108RM	250	243	+7	16.0%	16.1%
110RM	245	237	+8	16.2%	16.3%
114RM	246	243	+3	17.8%	17.7%

Key Learnings

- The plots with the fungicide application had higher yields for all corn products even in a low disease pressure environment.
- FieldView™ allowed for an easier tracking of field health over the growing season and comparison of different corn management inputs at harvest.
- At harvest, grain moisture was 17.8% in the 114 RM product while grain moisture in the 105 RM product was 14.9% (Table 1).
- No change in grain moisture was seen with the fungicide application (Table 1).
- The plots with the fungicide application not only had increased yield, but the farmer visually saw a substantial improvement with stalk standability and less ear drop with the Delaro® 325 SC fungicide application. The improved corn growth with a fungicide can be seen in the FieldView imagery taken on August 29 (Figure 2).
- As a first-time user of FieldView, the farmer expressed a positive experience with being able to track corn product health over the growing season and measuring the impact of fungicide and corn product at harvest. The grower has reviewed his Climate FieldView subscription for the 2020 season.

Legal Statements

The information discussed in this report is from a single site, non-replicated 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.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. 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.

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