

## Delaro® 325 Fungicide in Corn

**Study ID:** 1544131202501

**County:** Otoe

**Soil Type:** Ida silt loam 9-14% slopes; Monona silt loam 5-9% slopes

**Planting Date:** 4/15/24

**Population:** 32,000

**Row Spacing (in):** 20"

**Hybrid:** DEKALB® DKC68-48SS

**Reps:** 3

**Previous Crop:** Soybean

**Tillage:** No-till

**Herbicides:** **Pre:** 1.8 qt/ac Harness Xtra® + 12 oz/ac 2,4-D LC® + 20 oz/ac Roundup PowerMAX® 3 + 20 oz/ac Class Act® + 8 oz/ac Superb® HC + 2 oz/ac Balance Flexx® **Post:** 3 oz/ac Laudis® + 16 oz/ac Atrazine 4L® + 24 oz/ac Roundup PowerMAX® 3 + 24 oz/ac Class Act® NG® + 1 lb/ac AMS + 8 oz/ac Superb® HC + 2 oz/ac Interlock®

**Seed Treatment:** Standard

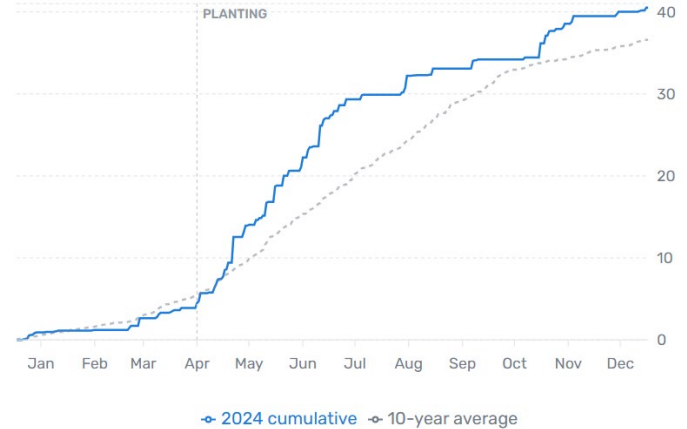
**Foliar Insecticides:** None

**Foliar Fungicides:** Varied

**Fertilizer:** 230 lb N/ac applied fall 2023. 219 lb/ac 11-52-0 and 356 lb/ac 0-0-60

**Irrigation:** None

**Rainfall (in):**



**Introduction:** Delaro® 325 contains two active ingredients—prothioconazole (group 3) + trifloxystrobin (group 11) to provide long-lasting residual disease control in corn and soybeans. The purpose of this study was to determine the efficacy of applying Delaro® 325 against an untreated check. Delaro® 325 + application costs were factored into the total cost of the product.

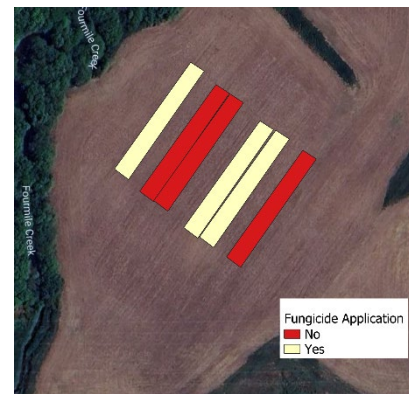


Figure 1: Project Design and Treatment Layout

### Results:

	Moisture (%)	Yield (bu/ac)†	Marginal Net Return‡ (\$/ac)
Delaro® 325	14.0 A*	200 A	840 A
Untreated Check	14.0 A	195 A	847 A
P-Value:	0.88	0.25	0.69

\*Values with the same letter are not significantly different at a 90% confidence level.

†Bushels per acre corrected to 13% moisture.

‡Marginal net return based on \$4.35/bu soybeans, \$31/ac cost for Delaro® 325 + application fee.

### Summary:

- There were no significant differences in moisture, yield, or marginal net return between Delaro® 325 application and the untreated check.
- Fungicide selection and application may depend on a field's history of pressure and current conditions.