

## Dry Bean Fungicide Trial

Trial ID: 2024-DBF01 – R.M. of Rhineland

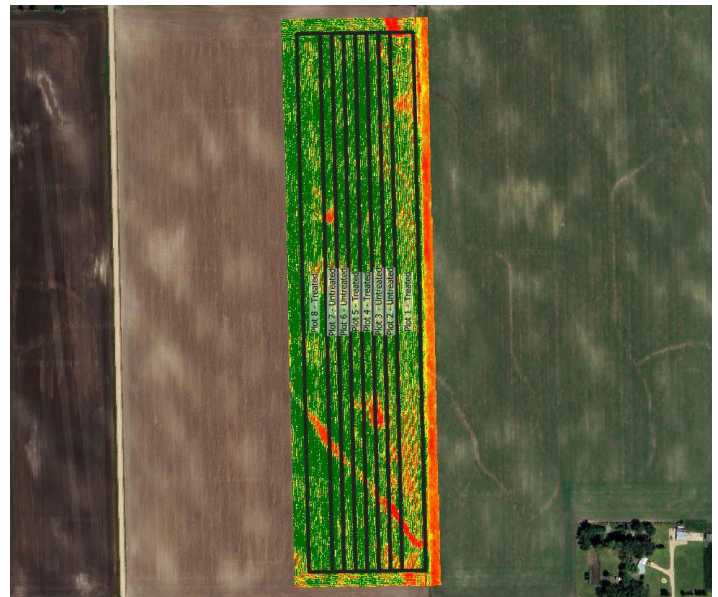
**Objective:** Quantify the agronomic and economic impacts of a single foliar fungicide application in dry beans.

**Summary:** Despite higher-than-normal percent rainfall in May, June and July, there was no noticeable white mould found at this site at R4 growth stage. During scouting 30 days after application, at R6, we found white mould on some plants, but incidence was not quantified. There was no significant yield difference between pinto beans with and without a single application of Zolera FX. Due to the lack in yield response, there was a decrease in profit/ac in the treated area of the trial, equivalent to the cost of fungicide application.

### Trial Information

Treatment	Zolera FX vs Untreated
Application Timing	R2
Application Date	July 25
Application Rate	25 ac/jug
Application Method	Aerial application
Soil Texture	Clay Loam
Previous Crop	Corn
Market Class	Pinto
Row Spacing	30"
Plant Stand at R5	58,000 plants/ac
Harvest Date	September 24

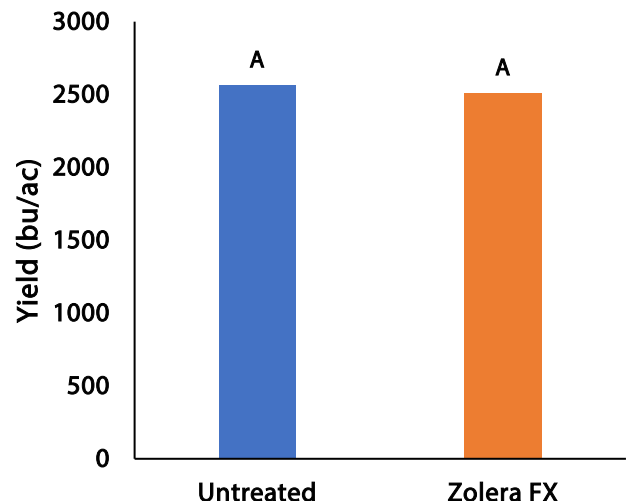
### Field NDVI Image August 10



### Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	110.2	95.4	99.2	58.6	363.4
Normal	56.4	85.2	75.4	65.5	282.5
% Norm	195%	112%	132%	89%	129%

### Yield by Treatment



### Summary of Disease Ratings†

	Bacterial Blight		White Mould	
	UNTRT	Single	UNTRT	Single
Incidence (R4)	100%	90%	0%	0%

† SGL=single application; Incidence = percent of plants infected  
UNTRT=untreated



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### Overall Yield & Economics

	Mean (lbs/ac)	Cost †	Change in Profit ††
Single Application	2509	\$20/ac	-\$20/ac
Untreated	2563		
Yield Difference	-54		
P-Value	0.607		
CV	5.2%		
Significance	No	Economic	No

† Estimated cost of dry bean fungicide; represents product only, does not include application cost

†† Because yields were not significantly different, there is no increased income to offset the cost of the fungicide. Profit/ac declined by the cost of the fungicide application.