

# Dry Bean Fungicide Trial

Trial ID: 2024-DBF04 – R.M. of North Norfolk

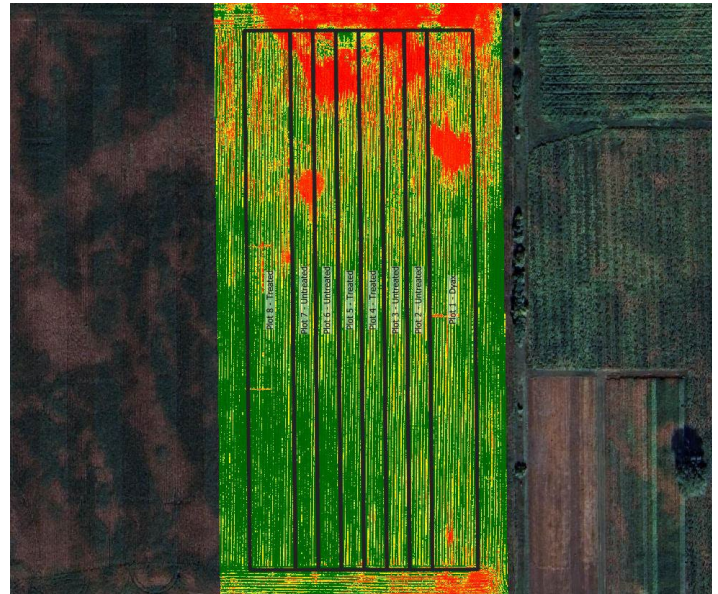
**Objective:** Quantify the agronomic and economic impacts of a single foliar fungicide application in dry beans.

**Summary:** Despite higher-than-normal percent rainfall in May and June, 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 disease pressure was relatively low. There was no significant yield difference between pinto beans with and without a single application of Dyax. As a result, profit/ac decreased by the increased cost of the single application.

## Trial Information

Treatment	Dyax vs Untreated
Application Timing	R2
Application Date	August 1
Application Rate	80 ac/jug
Application Method	Broadcast
Soil Texture	Loam
Market Class	Pinto
Previous Crop	Corn
Row Spacing	30"
Plant Stand at R4	97,000 plants/ac
Harvest Date	October 15

## Field NDVI Image August 12



## Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	141.6	140	49.3	44.5	375.4
Normal	49.8	79.4	71.1	69.3	269.6
% Norm	284%	176%	69%	64%	139%

## Summary of Disease Ratings†

	Bacterial Blight		White Mould	
	UNTRT	Single	UNTRT	Single
Incidence (R4)	73%	70%	0%	0%
Incidence (R6)	85%	80%	15%	10%

† SGL=single application; Incidence = percent of plants infected.

UNTRT=untreated

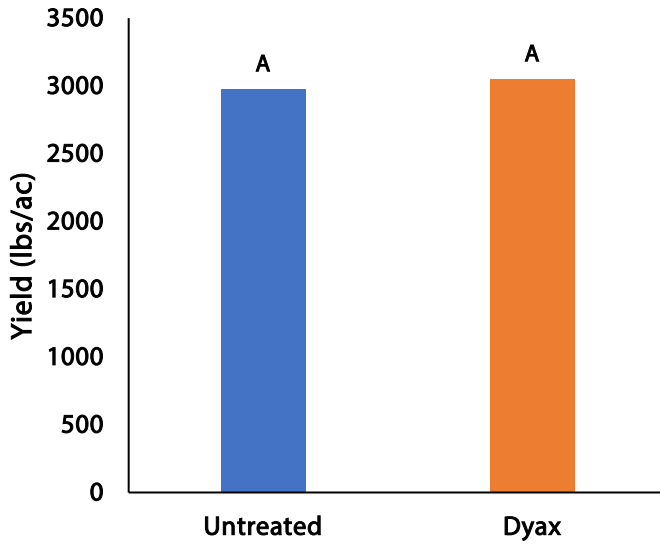


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### Yield by Treatment



### Overall Yield & Economics

	Mean (lbs/ac)	Cost †	Change in Profit ††
Single Application	3049	\$20/ac	-\$20/ac
Untreated	2975		
Yield Difference	74		
P-Value	0.334		
CV	3%		
Significance	No	Economic	No

† Estimated cost; 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.