Pea Fungicide Trial

Trial ID: 2025-PF03 – R.M. of Dauphin

Objective: Quantify the agronomic and economic impacts of a single foliar fungicide application in field peas.

Summary: Ascochyta/Mycosphaerella blight (A/M) was prevalent throughout the trial. Disease pressure was similar between treatments. There was no significant yield difference between peas with and without a single application of Delaro®. As a result, profit/ac in the treated area of the trial decreased by the cost of the fungicide product.

Trial Information

Treatment	Untreated vs. Delaro®
Application Timing	R2
Application Date	06/27/2025
Application Rate	0.36 L/ac
Application Method	Aerial
Soil Texture	Clay
Previous Crop	Wheat
Tillage	Conventional Tillage
Seeding Date	5/5/2025
Variety	AAC Carver
Seeding Rate	198 lbs/ac
Row Spacing	10 in.
Plant Stand @ R4	282,625 plants/ac
Harvest Date	8/16/2025

Satellite Image of Plot Boundaries [‡]

‡ Could not fly drone to obtain NDVI imagery due to proximity to a nearby airport.
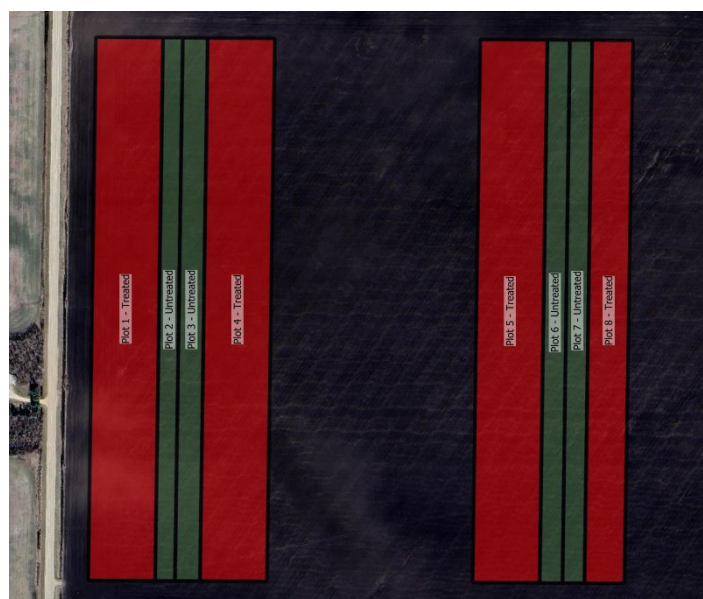
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	25.1	47.6	30	83.4	186.1
Normal	56.19	92.66	79.88	66.25	294.98
% Norm	45%	51%	38%	126%	63%

Summary of Disease Rating (R4) [‡]

	Foliar A/M		Stem A/M	
	UNTRT	Single	UNTRT	Single
Incidence (%)	100	100	85	85
Severity	3	3.1	1.9	1.9

‡ UNTRT = Untreated, Single=Single application; Foliar and stem Ascochyta/Mycosphaerella (A/M) 1 – 7 rating scale where 1 is least severe and 7 is most severe. Incidence = percent of plants infected.

Yield by Treatment

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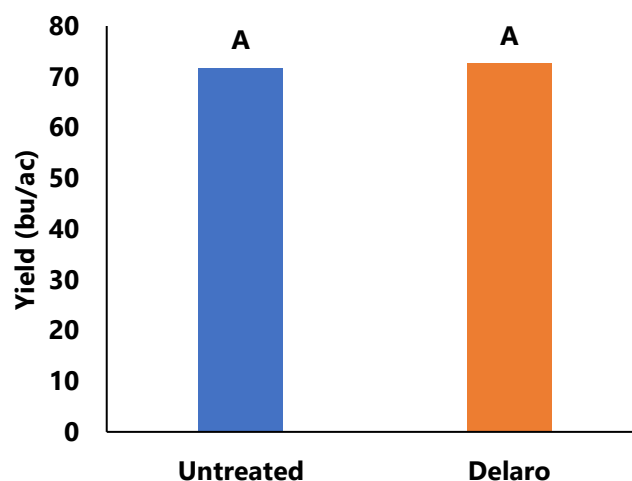
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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Untreated	71.7		
Delaro	72.6	$17.50/ac	-$17.50/ac
Yield Difference	0.9		
P-Value	0.6242		
CV	17.3%		
Significance	**No**	**Economic**	**No**

† Based on an estimated fungicide product cost of $15-$20/ac, 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 declines by the cost of the fungicide application.