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Pea Fungicide Trial

Trial ID: 2024-PF02 – R.M. of Pipestone

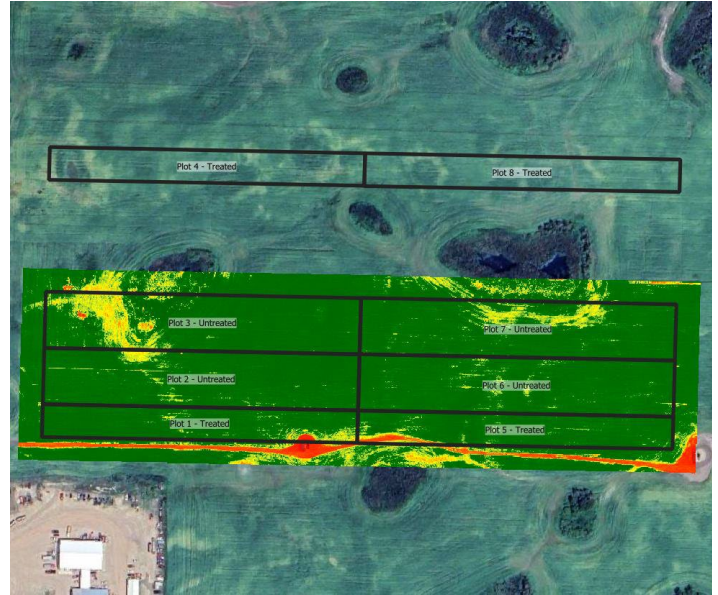
Objective: Quantify the agronomic and economic impacts of a single foliar fungicide application in field peas.

Summary: Foliar Ascochyta/Mycosphaerella blight 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 application.

Trial Information

Treatment	Delaro vs Untreated
Application Timing	R2
Application Date	July 9
Application Rate	30 ac/jug
Application Method	Aerial
Soil Texture	Loamy Clay Loam
Previous Crop	Wheat
Tillage	Zero Till
Seeding Date	May 5
Variety	CDC Lewochko
Seeding Rate	180 lbs/ac
Row Spacing	12"
Plant Stand @ R3	219,000 plants/ac
Harvest Date	August 17

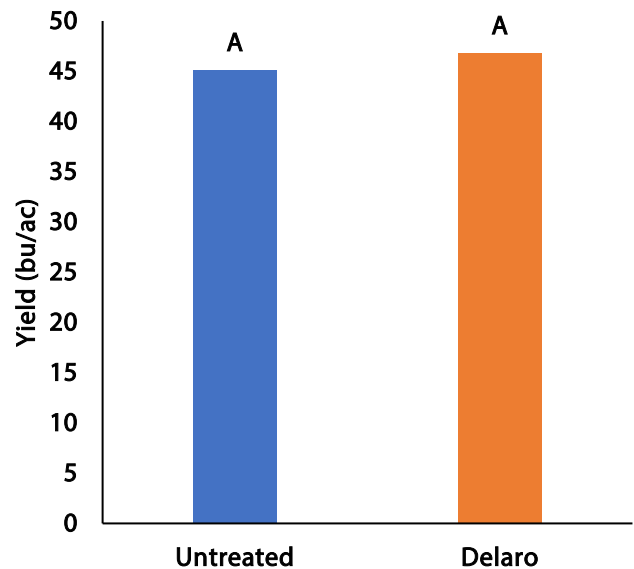
NDVI Field Image July 14



Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	96.6	120.5	21	73.4	311.5
Normal	53	75.2	66.1	57.8	252.1
% Norm	182%	160%	32%	127%	124%

Yield by Treatment



Summary of Disease Rating (R3)†

	Foliar A/M		Stem A/M	
	UNTRT	SGL	UNTRT	SGL
Incidence	98%	90%	13%	10%
Severity	2.1	1.9	1.1	1.1

† SGL=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.



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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Single Application	46.8	\$20/ac	-\$20/ac
Untreated	45.2		
Yield Difference	1.6		
P-Value	0.330		
CV	4.4%		
Significance	No	Economic	No

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