



on-farm network
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Pea Fungicide Trial

Trial ID: 2024-PF06 – R.M. of Hillsburg-Roblin-Shell River

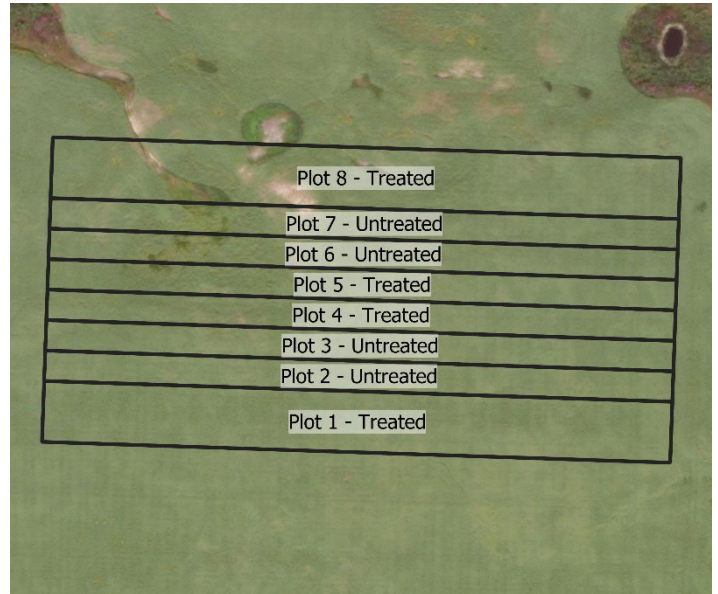
Objective: Quantify the agronomic and economic impacts of a single foliar fungicide application in field peas.

Summary: Foliar and stem infections of Ascochyta/Mycosphaerella blight (A/M) were prevalent throughout the trial at flat pod stage (R3). There was no significant yield difference between peas with and without a single application of Revy Pro. As a result, profit/ac in the treated area of the trial decreased by the cost of the fungicide application.

Trial Information

Treatment	Revy Pro vs Untreated
Application Timing	R3
Application Date	July 9
Application Rate	40 ac/case
Application Method	Broadcast
Soil Texture	Loam
Previous Crop	Canola
Tillage	Zero Till
Seeding Date	April 30
Variety	AAC Carver
Seeding Rate	180 lbs/ac
Row Spacing	10"
Plant Stand @ R4	261,000
Harvest Date	August 27

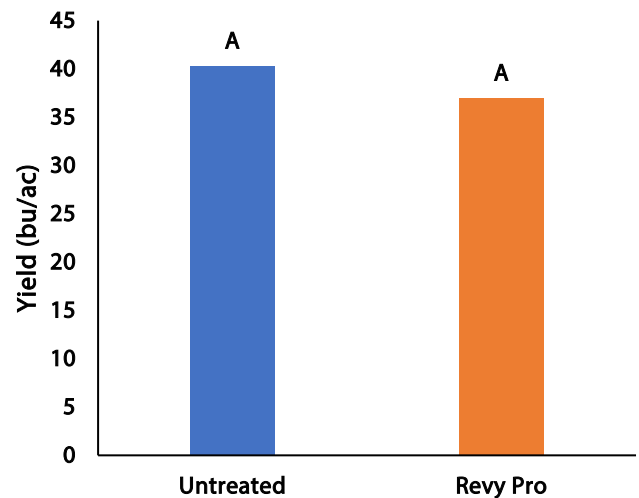
Trial Layout



Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	89.8	128.4	60	116	394.2
Normal	51.8	81.9	76.7	71.6	282
% Norm	173%	157%	78%	162%	140%

Yield by Treatment



Summary of Disease Rating (R3)†

	Foliar A/M		Stem A/M	
	UNTRT	SGL	UNTRT	SGL
Incidence	98%	98%	88%	98%
Severity	3.2	3.7	2.1	2.7

† 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	36.9	\$20/ac	-\$20/ac
Untreated	40.3		
Yield Difference	-3.4		
P-Value	0.164		
CV	6.7%		
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.