Pea Fungicide Trial

Trial ID: 2024-PF07 – R.M. of Oakland-Wawanesa

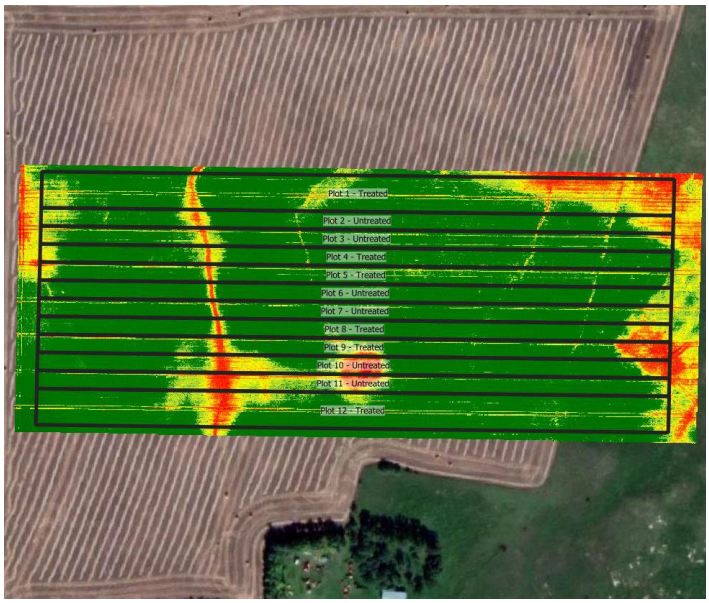
Objective: Quantify the agronomic and economic impacts of a single foliar fungicide application in field peas.

Summary: Foliar and stem infections of Ascochyta/Mycosphaerella blight (A/M) were prevalent throughout the trial at flat pod stage (R3). The severity of the foliar and stem A/M infections were slightly reduced with the fungicide application. 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 12
Application Rate	40 ac/case
Application Method	Broadcast
Soil Texture	Clay Loam
Previous Crop	Fall rye
Tillage	Zero Till
Seeding Date	May 10
Variety	AAC Carver
Seeding Rate	240 lbs/ac
Row Spacing	10"
Plant Stand	321,000 plants/ac
Harvest Date	August 20

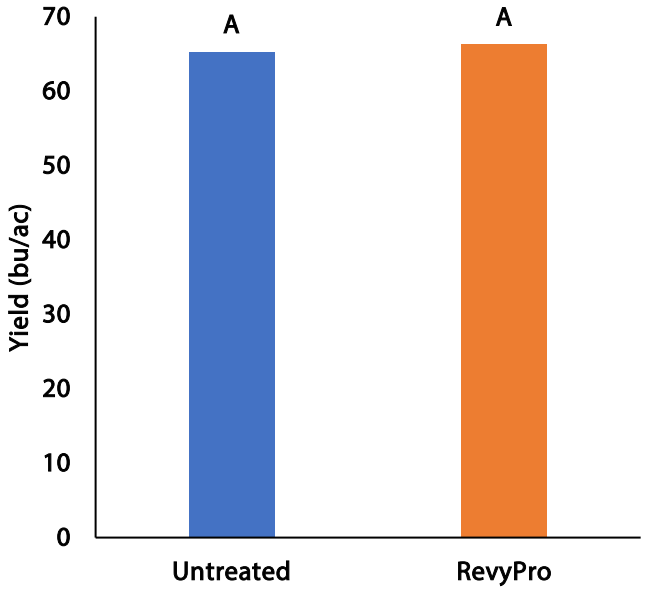
NDVI Field Image July 17



Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	90.5	137.8	90.6	34.1	353
Normal	51.2	72.8	74.4	67.5	265.9
% Norm	177%	189%	122%	51%	133%

Yield by Treatment



Summary of Disease Rating (R3)ǂ

	Foliar A/M		Stem A/M	
	UNTRT	SGL	UNTRT	SGL
Incidence	67%	67%	65%	65%
Severity	3.4	3.2	2.2	1.9

ǂ 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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Pea Fungicide Trial

on-farm network

Overall Yield & Economics

	Mean (bu/ac)	Cost ǂ	Change in Profit ǂǂ
Single Application	66.3	$20/ac	-$20/ac
Untreated	65.3		
Yield Difference	1		
P-Value	0.612		
CV	5%		
Significance	No	Economic	No

ǂ Based on an estimated fungicide product cost of $20/ac, product cost only, does not include application cost

ǂ ǂ 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.