

Pea Fungicide Trial

Trial ID: 2024-PF05 – R.M. of Morris

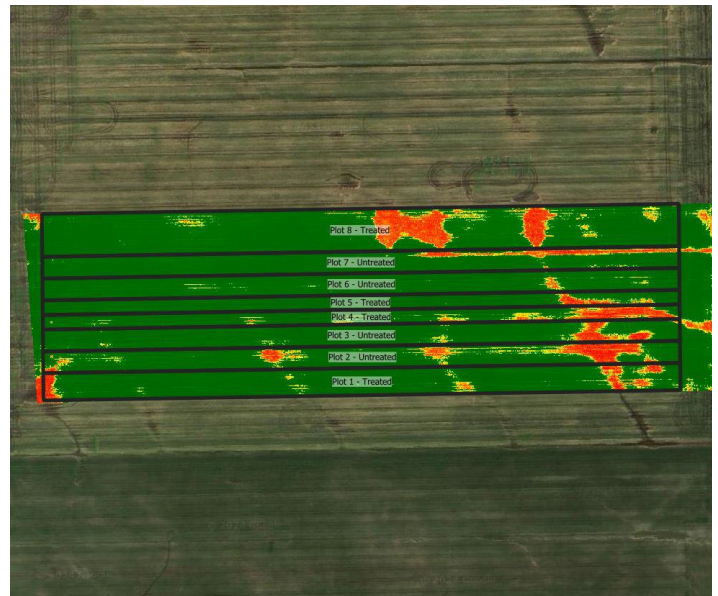
Objective: Quantify the agronomic and economic impacts of a single foliar fungicide application in field peas.

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 similar between treatments. 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 11
Application Rate	40 ac/case
Application Method	Broadcast
Soil Texture	Clay
Previous Crop	Wheat
Tillage	Zero Till
Seeding Date	April 24
Variety	AAC Delhi
Seeding Rate	215 lbs/ac
Row Spacing	10"
Plant Stand @ R4	186,000
Harvest Date	August 7

NDVI Field Image July 25



Precipitation (mm)

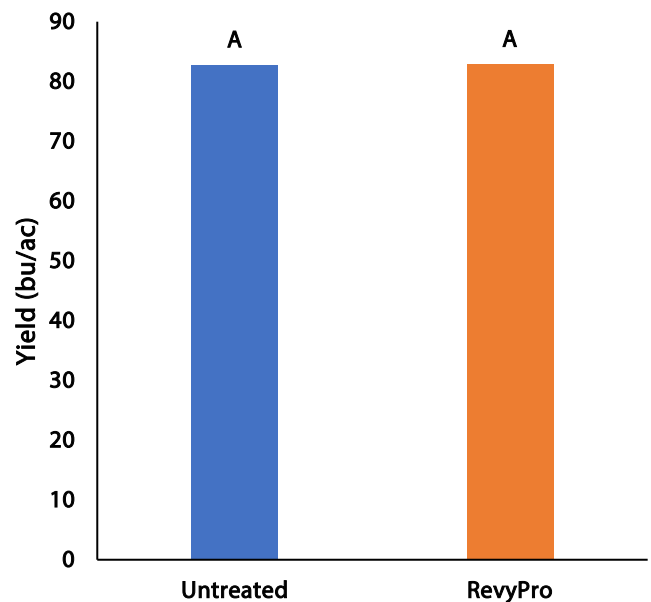
	May	June	July	Aug	Total
Rainfall	125.8	99.7	73.4	96.4	395.3
Normal	53.6	86.4	71.9	65.4	277.3
% Norm	235%	115%	102%	147%	143%

Summary of Disease Rating (R3) †

	Foliar A/M		Stem A/M	
	UNTRT	SGL	UNTRT	SGL
Incidence	100%	100%	95%	93%
Severity	4.2	4.1	2.4	2.3

† 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.

Yield by Treatment





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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Single Application	82.8	\$20/ac	-\$20/ac
Untreated	82.7		
Yield Difference	0.1		
P-Value	0.990		
CV	9.5%		
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.