

Pea Fungicide Trial

Trial ID: 2024-PF01 – R.M. of Cartwright - Roblin

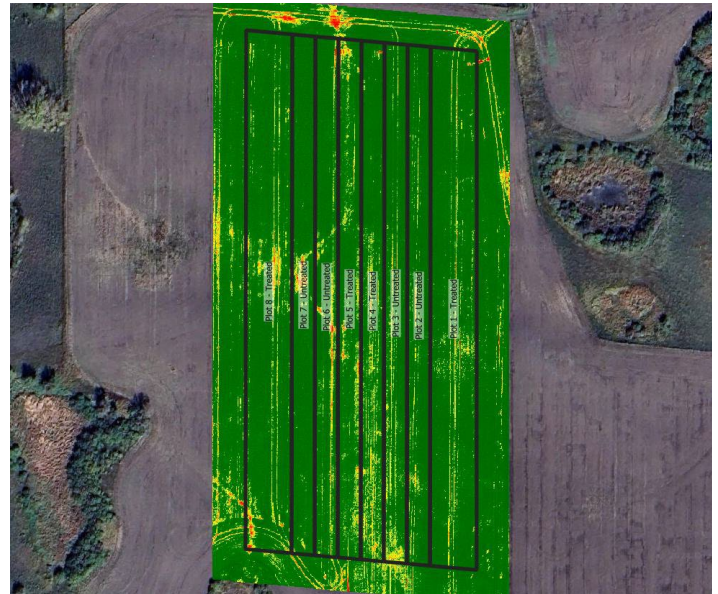
Objective: Quantify the agronomic and economic impacts of a double vs. single foliar fungicide application in field peas.

Summary: Foliar and stem infections of Ascochyta/Mycosphaerella blight (A/M) were prevalent throughout this trial at flat pod stage (R3). There was a slight reduction in foliar A/M severity with the double application. There was no significant yield difference between peas with a double application, compared to those with a single application. As a result, profit/ac decreased by the increased cost of the second application.

Trial Information

Treatment	Revy Pro & Acapela vs Acapela
Application Timing	R2 & R3
Application Date	Revy Pro June 27 Acapela July 12
Application Rate	Revy Pro 40 ac/case Acapela 54 ac/case
Application Method	Broadcast
Soil Texture	Loam
Previous Crop	Wheat
Tillage	Conventional
Seeding Date	April 25
Variety	AAC Carver
Seeding Rate	198 lbs/ac
Row Spacing	10"
Plant Stand @ R3	298,000 plants/ac
Harvest Date	August 20

NDVI Field Image July 15



Precipitation (mm)

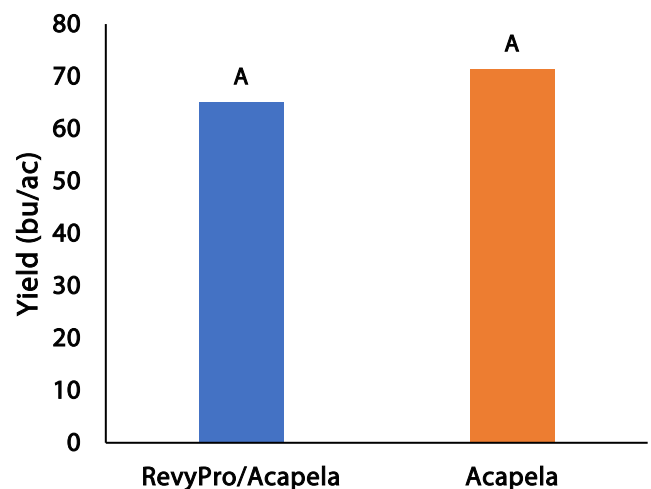
	May	June	July	Aug	Total
Rainfall	126.3	73.9	34.5	58.3	293
Normal	61.1	89.8	68.3	72.3	291.5
% Norm	207%	82%	51%	81%	101%

Summary of Disease Rating (R3)[†]

	Foliar A/M		Stem A/M	
	DBL	SGL	DBL	SGL
Incidence	100%	100%	88%	93%
Severity	3.8	4.0	2.7	2.4

[†] SGL=Single application, DBL=Double 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 ††
Double Application	65.1	\$40/ac	-\$20/ac
Single Application	71.4	\$20/ac	
Yield Difference	-6.3		
P-Value	0.184		
CV	7.6%		
Significance	No	Economic	No

† Based on an estimated fungicide product cost. 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 second fungicide. Profit/ac declined by the cost of the second fungicide application.