Pea Fungicide Trial

Trial ID: 2025-PF01 – R.M. of Dauphin

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

Summary: Ascochyta/Mycosphaerella blight (A/M) was prevalent throughout the trial. Rainfall in June and July was lower than normal. A METOS® weather station was placed on-site and the disease model showed that conditions of high humidity and cool temperatures (20–21°C) were not optimal for severe infection leading up to and immediately following flowering. Disease pressure was similar between treatments. There were no significant yield differences between peas with RevyPro®, peas with RevyPro® + WAVE™ and those without. As a result, profit/ac in the treated areas of the trial decreased by the cost of the fungicide and biostimulant products.

Trial Information

Treatments	Untreated vs. RevyPro® vs. RevyPro® + WAVE™ (biostimulant)
Application Timing	R2
Application Date	06/24/2025
Application Rate	0.41 L/ac RevyPro®, 60 mL/ac WAVE®
Application Method	Broadcast
Soil Texture	Loamy Clay Loam
Previous Crop	Wheat
Tillage	Zero Tillage
Seeding Date	4/28/2025
Variety	AAC Carver
Seeding Rate	198 lbs/ac
Row Spacing	10 in.
Plant Stand @ R4	260,083 plants/ac
Harvest Date	8/4/2025

Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	35.1	51.4	19.7	120.3	226.5
Normal	48.83	79.36	64.66	62.04	254.89
% Norm	72%	65%	30%	194%	89%

Summary of Disease Rating (R4)ǂ

	Foliar A/M			Stem A/M		
	UNTRT	TRT 1	TRT 2	UNTRT	TRT 1	TRT 2
Incidence (%)	100	100	100	98	95	100
Severity	3.5	3.2	3.1	2	2	2

ǂ UNTRT=Untreated, TRT 1 = RevyPro, TRT 2 = RevyPro+WAVE; 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.

NDVI Field Image July 15ǂ

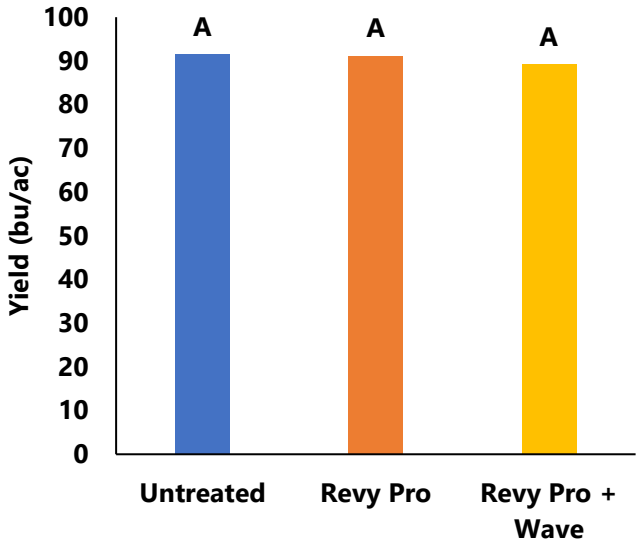
ǂ North end of NDVI imagery is missing due to proximity to a nearby airport preventing drone flight in that portion of the trial.

[Additional On-Farm Network Research Reports]

MANITOBA Pulse Soybean GROWERS
T 204 745.6488
www.manitobapulse.ca

Pea Fungicide Trial

Yield by Treatment



Overall Yield & Economics

	Mean (bu/ac)	Cost ǂ	Change in Profit ǂ ǂ	
Untreated	91.4			
RevyPro®	91.1	$17.50/ac	-$17.50/ac	
RevyPro® + WAVE™	89.1	$23.91/ac	-$23.91/ac	
P-Value	0.8288	**Economic**	Untreated → RevyPro	**No**
CV	3.8%		Untreated → RevyPro+WAVE	**No**
Significance	**No**		RevyPro → RevyPro+WAVE	**No**

ǂ Based on an estimated fungicide product cost of $15-20/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.

MANITOBA Pulse Soybean GROWERS
T 204 745.6488
www.manitobapulse.ca