



on-farm network
PARTICIPATORY • PRECISE • PROACTIVE

Pea Fungicide Trial

Trial ID: 2023-PF06 – R.M. of Lorne

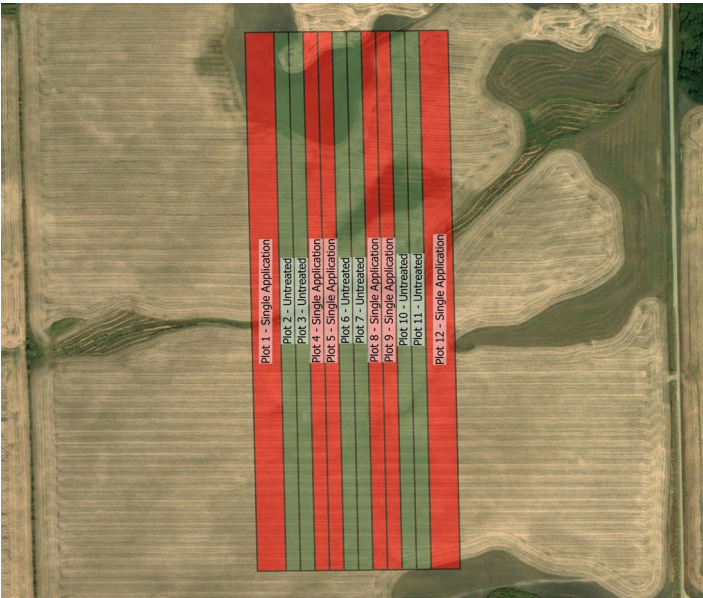
Objective: Quantify the agronomic and economic impacts of a single foliar fungicide application in field peas.

Summary: Ascochyta/Mycosphaerella blight incidence and severity were similar between treatments. There was no significant yield difference between peas with and without a single application of RevyPro. As a result, profit/ac in the treated area of the trial decreased by the cost/ac of fungicide application.

Trial Information

Treatment	RevyPro
Application Timing	R1
Application Date	July 3
Application Rate	405 mL/ac
Application Method	Broadcast
Soil Texture	Loam
Previous Crop	Wheat
Tillage	Zero Till
Seeding Date	May 13
Variety	AAC Chrome
Seeding Rate	195 lbs/ac
Row Spacing	10"
Plant Stand @ R3	222 000 plants/ac
Harvest Date	August 16

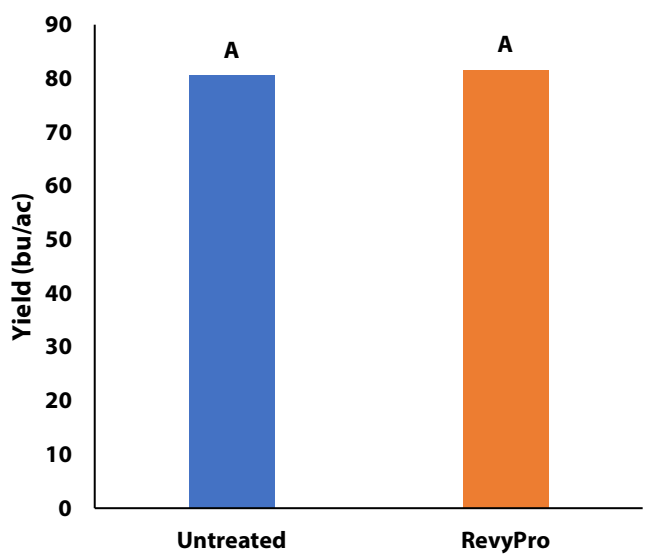
Field Image



Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	18.2	17.7	24	33.9	93.8
Normal	58	77.1	77	58.7	270
% Norm	31%	23%	31%	58%	35%

Yield by Treatment



Summary of Disease Rating (R3)†

	Foliar A/M		Stem A/M	
	UNTRT	SGL	UNTRT	SGL
Incidence	33%	32%	33%	28%
Severity	2.3	2.3	1.7	1.6

† SGL=Single application; Foliar and stem Ascochyta/Mycosphaerella (A/M) 1 – 7 rating scale; Incidence= percent of plants infected.



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Pre-Spray Check at V11

Category	Average Rating [†]	Explanation
Crop Canopy	4	Thin- High weed pressure, low yield expected
Leaf Wetness/Humidity @ 12 pm	6	Low to no leaf wetness
5-Day Weather Forecast	0	Dry
Ascochyta Symptoms on Peas	2	Less than 20% of plants showing symptoms
Total Score	12	No application recommended

[†] Ratings taken at six locations in the field and average together to assess overall field risk before fungicide application.

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac ^{††}
Single Application	81.6	\$10-\$23/ac	-\$10-\$23/ac
Untreated	80.5		
Yield Difference	1.1		
P-Value	0.1400		
CV	0.9%		
Significance	No	Economic	No

[†] Based on an estimated fungicide product cost of \$10-\$23/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 declined by the cost of the fungicide application.