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Pea Fungicide Trial

Trial ID: 2022-PF05 – R.M. of North Cypress-Langford

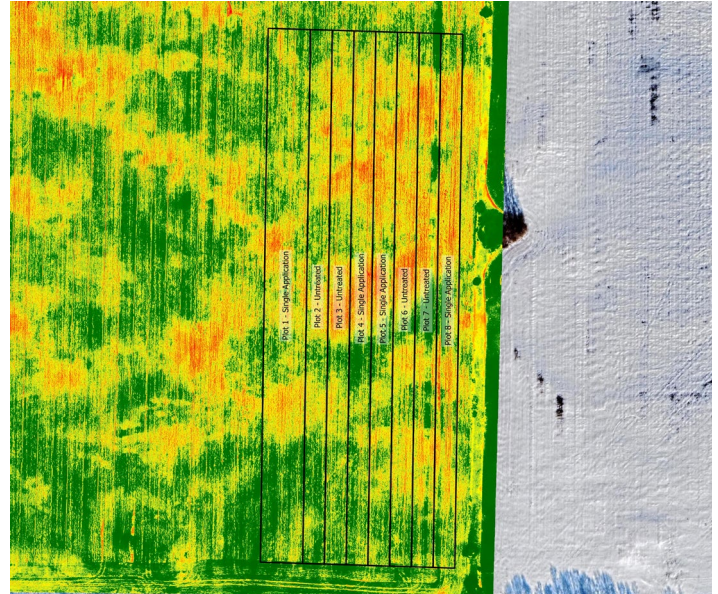
Objective: Quantify the agronomic and economic impacts of a single foliar fungicide application in field peas.

Summary: There was no significant yield difference between peas with and without a single application of Cotegra. As a result, profit/ac in the treated area of the trial decreased by the cost/ac of fungicide application.

Trial Information

Treatment	Cotegra
Application Timing	R2
Application Date	July 13
Application Rate	35 ac/jug
Application Method	Broadcast
Soil Texture	Loam
Previous Crop	Wheat
Tillage	Zero Till
Seeding Date	May 24
Variety	CDC Amarillo
Seeding Rate	180 lbs/ac
Row Spacing	10"
Plant Stand @ R4	385,000 plants/ac
Harvest Date	August 20

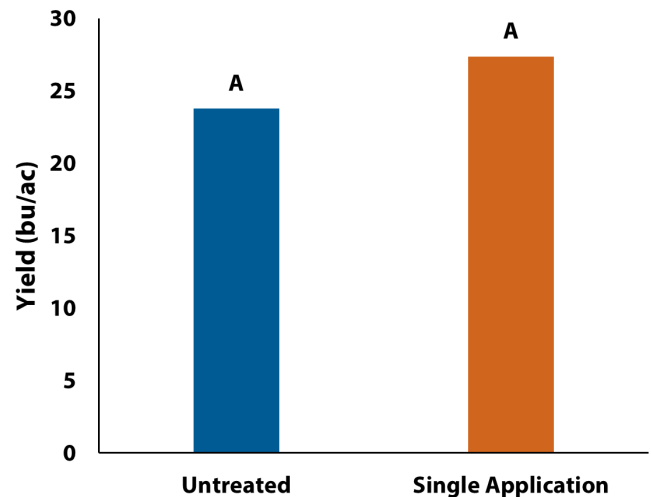
NDVI Field Image July 23



Precipitation (mm)

	May	Jun	Jul	Aug	Total
Rainfall	150.7	89.3	44.2	41.7	325.9
Normal	56.5	78	80.2	68.7	283.4
% Normal	267%	114%	55%	61%	115%

Yield by Treatment



Summary of Disease Rating (R3) †

	Foliar Ascochyta		Stem Ascochyta	
	Untreated	Single	Untreated	Single
Incidence	0%	0%	0%	0%
Severity	1.0	1.0	1.0	1.0

† Foliar and stem ascochyta are rated on a scale of 1 (no symptoms) to 7 (stunted/dead plants).



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Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac ^{††}
Single Application	27.4	\$18.50/ac	-\$18.50/ac
Untreated	23.8		
Yield Difference	3.6		
P-Value	0.1239		
CV	16.9%		
Significance	No	Economic	No

[†] Based on MB Agriculture 2022 *Cost of Production Guidelines* and industry prices; treatment cost only, does not include application cost.

^{††} Yields were not significantly different, therefore profit/ac decreased by the cost/ac of a fungicide treatment.