

Pea Fungicide Trial

Trial ID: 2024-PF04 – R.M. of Woodlands

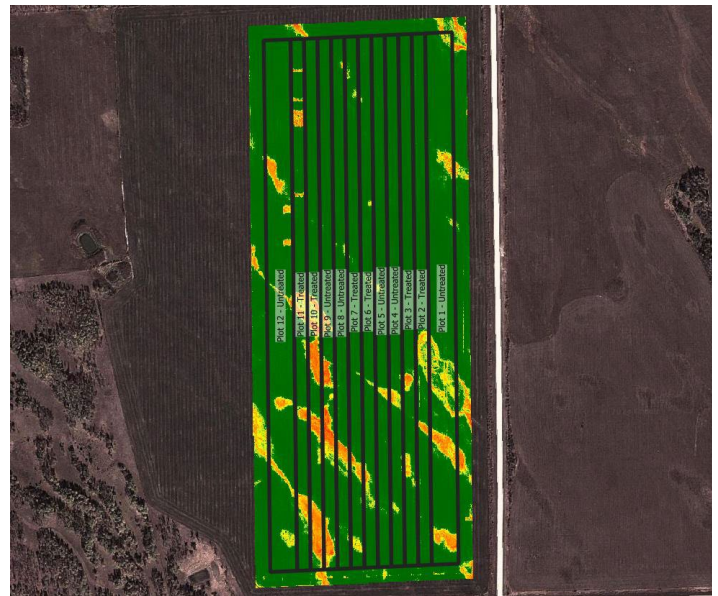
Objective: Quantify the agronomic and economic impacts of a single foliar fungicide application in field peas.

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 Zetigo PRM. As a result, profit/ac in the treated area of the trial decreased by the cost of the fungicide application.

Trial Information

Treatment	Zetigo RPM vs Untreated
Application Timing	R3
Application Date	July 9
Application Rate	24 ac/jug
Application Method	Broadcast
Soil Texture	Loam
Previous Crop	Cron
Tillage	Conventional Till
Seeding Date	May 9
Variety	AAC Hockley
Seeding Rate	180 lbs/ac
Row Spacing	7.5"
Plant Stand @ R3	248,000 plants/ac
Harvest Date	August 19

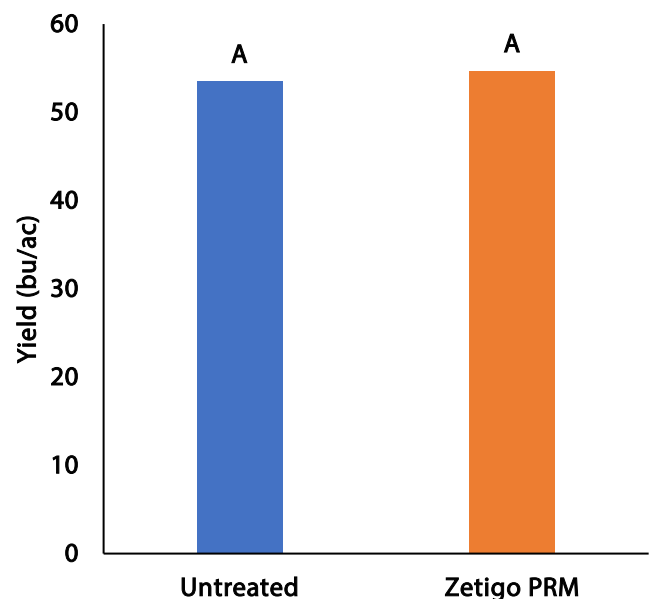
NDVI Field Image July 17



Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	93.4	136.2	92.2	35.8	357.6
Normal	53.8	92	66.4	63.3	275.5
% Norm	174%	148%	139%	57%	130%

Yield by Treatment



Summary of Disease Rating (R3) †

	Foliar A/M		Stem A/M	
	UNTRT	SGL	UNTRT	SGL
Incidence	100%	100%	92%	95%
Severity	5.1	4.9	2.7	2.9

† 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.



Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Single Application	54.7	\$20/ac	-\$20/ac
Untreated	53.5		
Yield Difference	1.2		
P-Value	0.671		
CV	6.8%		
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.

Observations (R3)



Pictured above: Foliar and stem infections of *Ascochyta*/*Mycosphaerella* blight were prevalent and moderately severe throughout the trial.