Faba Bean Fungicide Trial

Trial ID: 2025-FF01 – R.M. of Glenboro – South Cypress

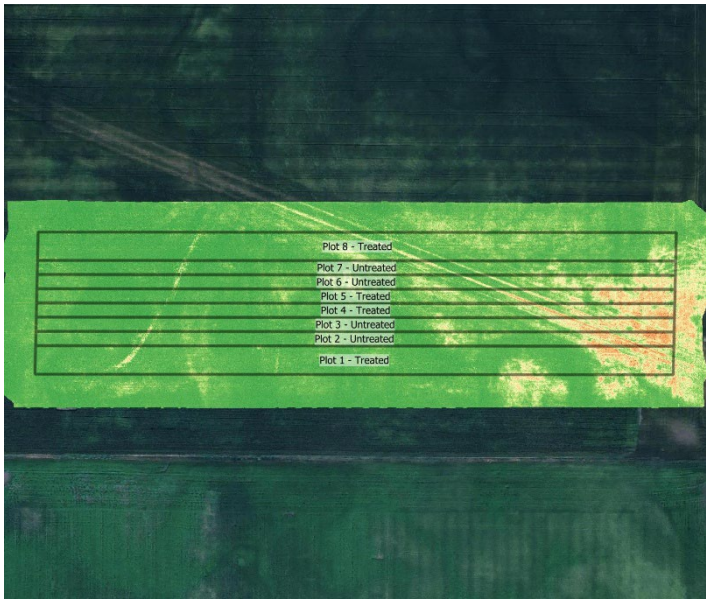
Objective: Quantify the agronomic and economic impacts of a single foliar fungicide application in faba beans.

Summary: Foliar ascochyta blight and chocolate spot were prevalent throughout the trial with moderate severity at R6. Disease severity was similar between treatments. There was no significant yield difference between faba beans with and without a single application of Zetigo™ PRM. As a result, profit/ac decreased by the increased cost of the fungicide application.

Trial Information

Treatment	Zetigo™ PRM vs. Untreated
Application Timing	R2
Application Date	28/06/2025
Application Rate	0.4 L/ac
Application Method	Broadcast
Soil Texture	Clay
Previous Crop	Canola
Variety	Fabelle
Seeding Rate	215 lbs/ac
Row Spacing	7 in.
Plant Stand @ R2	144,125 plants/ac
Harvest Date	30/09/25

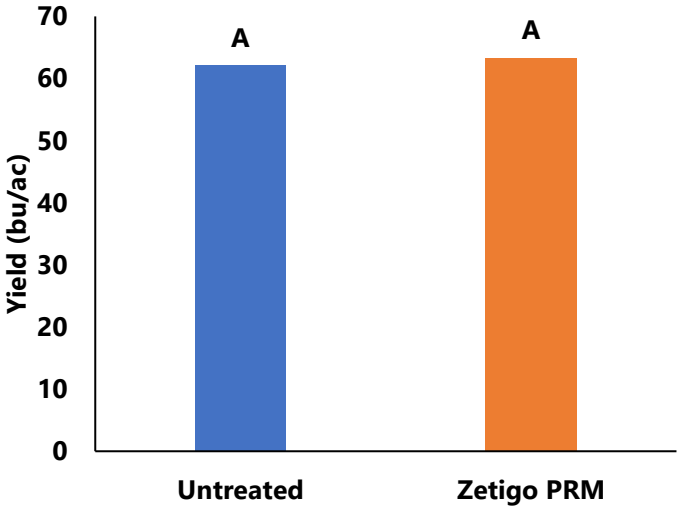
NDVI Field Image August 12



Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	84.9	32.3	54.8	49.5	221.5
Normal	67.11	89.87	76.99	56.31	290.28
% Norm	127%	36%	71%	88%	76%

Yield by Treatment



Summary of Disease Ratings†

	Chocolate Spot Severity at R6	Foliar Ascochyta blight Severity at R6
Untreated	3.2	3.6
Treated	3.0	3.4

† Chocolate spot was rated on a scale of 1-5 where 1 = healthy plants and 5 = extensive lesions on leaves, stems, and pods. Foliar A/M = foliar Ascochyta/mycosphaerella rated on a scale of 1-10 where 1 = no visible symptoms and 7 = plant stunted and dying.

[Additional On-Farm Network Research Reports]

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Overall Yield & Economics

	Mean (bu/ac)	Cost ǂ	Change in Profit ǂ ǂ
Untreated	62.1		
Zetigo™ PRM	63.3	$26.75/ac	-$26.75/ac
Yield Difference	1.2		
P-Value	0.7578		
CV	7.8%		
Significance	**No**	**Economic**	**No**

ǂ Estimated cost; represents product 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.

Ripe faba bean plant at harvest (L) and harvesting of plots at sunset (R).

A healthy plant found 14 days after application (L) and some disease symptoms found 28 days after application (R).

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