

Pea Fungicide Trial

Trial ID: 2025-PF02 – R.M. of Woodlands

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 Zolera FX®, peas with Zolera FX® + WAVE™ (biostimulant) and those without. As a result, there was a loss in profit/ac in the treated area of the trial equivalent to the cost of the product.

Trial Information

Treatment	Untreated vs. Zolera FX® vs. Zolera FX® + WAVE™ (biostimulant)
Application Timing	R2
Application Date	6/26/2025
Application Rate	0.223 L/ac Zolera FX®, 60 mL/ac WAVE®
Application Method	Broadcast
Soil Texture	Loam
Previous Crop	Wheat
Tillage	Conventional Tillage
Seeding Date	5/1/2025
Variety	CDC Hickie
Seeding Rate	180 lbs/ac
Row Spacing	7.5 in.
Plant Stand @ R5	314,333 plants/ac
Harvest Date	8/11/2025

Precipitation (mm)

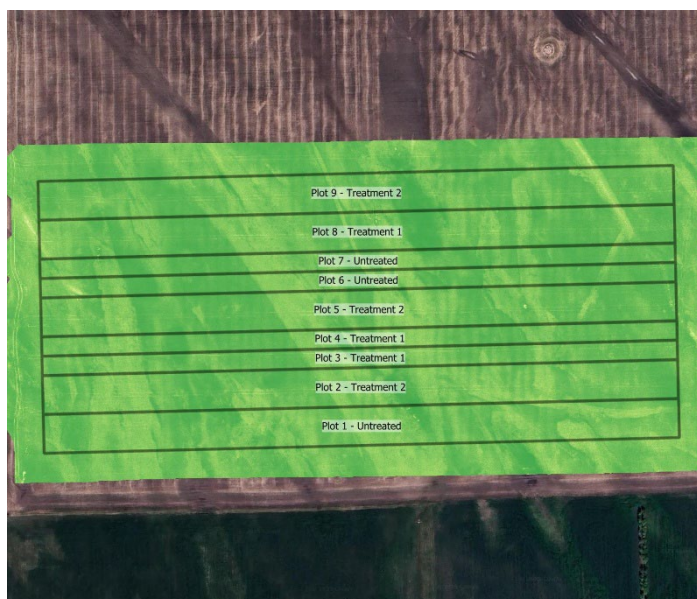
	May	June	July	Aug	Total
Rainfall	35.1	51.4	19.7	120.3	226.5
Normal	48.8	79.4	64.7	62.0	254.9
% Norm	72%	65%	30%	194%	89%

Summary of Disease Rating (R5)[†]

	Foliar A/M			Stem A/M		
	UNTRT	TRT 1	TRT 2	UNTRT	TRT 1	TRT 2
Incidence (%)	100	93	100	100	93	100
Severity	3.6	3.5	3.6	2.2	2.1	2.4

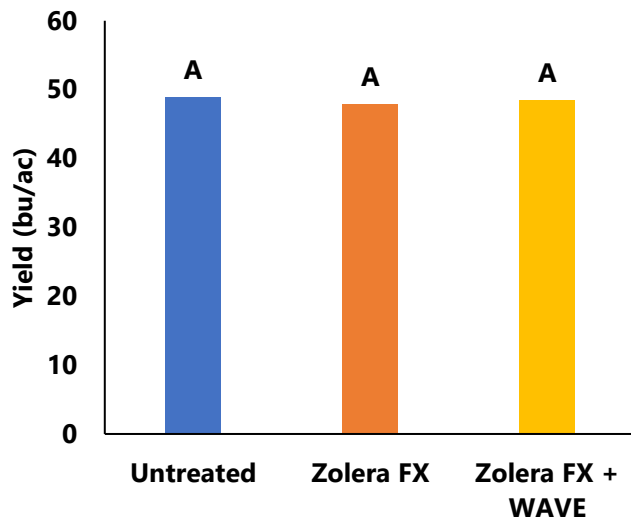
[†] UNTRT=Untreated, TRT 1 = Zolera FX, TRT 2 = Zolera FX + WAVE; Foliar and stem Ascochyta/Mycosphaerella (A/M) 1 – 7 rating scale where 1 is least severe and 7 is most severe. Incidence = percent of plants infected.

NDVI Field Image July 14



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Yield by Treatment



Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Untreated	48.9		
Zolera FX®	47.8	\$17.50/ac	-\$17.50/ac
Zolera FX® + WAVE™	48.4	\$23.91/ac	-\$23.91/ac
P-Value	0.6512	Economic	Untreated → Zolera FX No
CV	3.9%		Untreated → Zolera FX+WAVE No
Significance	No		Zolera FX → Zolera FX+WAVE No

† Based on an estimated product cost, 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 and biostimulant application.



Symptoms of Ascochyta/Mycosphaerella blight at R1. Small, dark freckles on lower leaves.