Pea Biological Trial

Trial ID: 2025-PB03 – R.M. of Lorne

Objective: Quantify the agronomic and economic impacts of a biological product applied for pea production.

Summary: There was no significant yield difference between peas treated with a foliar application of WAVE® and those without. Due to the lack of yield response, there was a decrease in profit per acre in the treated area of the trial, equivalent to the cost of product. Note: a foliar cover fungicide (RevyPro®) application was made on all strips in the trial and WAVE® was tank mixed with RevyPro® in the ''treated'' area of the trial.

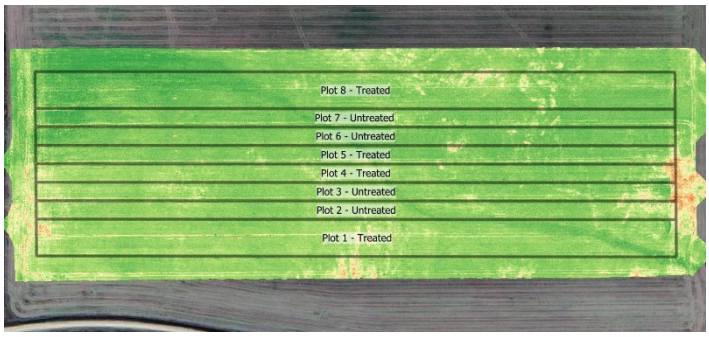
Trial Information

Treatments	Untreated vs. 0.6L/ac WAVE®
Soil Texture	Clay Loam
Previous Crop	Oats
Seeding Date	05/05/2025
Variety	AAC Chrome
Seeding Rate	180 lbs/ac
Row Spacing	10 in.
Plant Stand @ R4	245,000 plants/ac
Harvest Date	08/11/2025

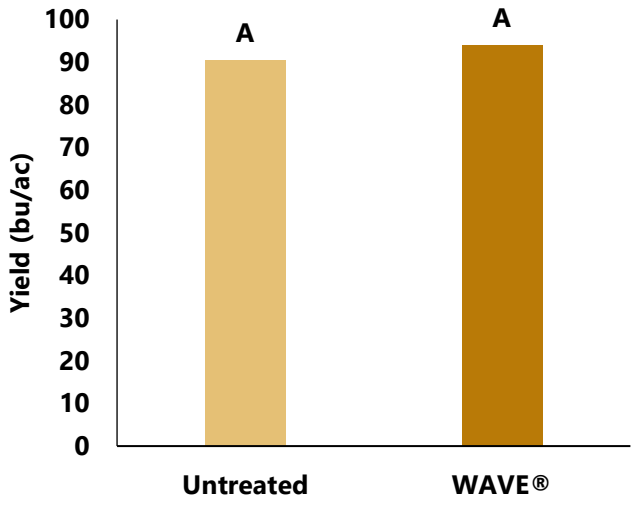
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	82.7	32.7	98.4	37	250.8
Normal	67.22	92.5	72.43	57.07	289.22
% Norm	123%	35%	136%	65%	87%

NDVI Field Image August 14



Yield by Treatment



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Overall Yield & Economics

	Mean (bu/ac)	Cost ǂ	Change in Profit ǂ ǂ
Untreated	90.4		
Treated	94.0	$6.41/ac	-$6.41/ac
Difference	3.6		
P-Value	0.259		
CV	3.9%		
Significance	**No**		

ǂ Based on an estimated cost for biological products, not including application cost.

ǂ ǂ Yields were not significantly different, therefore there is no increased income to offset the cost of the biological product