

Soybean Biological Trial

Trial ID: 2025-SB03 – R.M. of Emerson – Franklin

Objective: Quantify the agronomic and economic impacts of biological products for soybean production.

Summary: There was no significant yield difference between soybeans treated with WAVE™ and those without. Due to the lack of yield response, there was a decrease in profit/ac in the treated area of the trial, equivalent to the cost of product application.

Trial Information

Treatments	Untreated vs. 0.6L/ac WAVE™†
Soil Texture	Clay
Previous Crop	Oats
Tillage	Minimum Till
Variety	DKB006-80
Seeding Date	5/8/2025
Seeding Rate	130,000 seeds/ac
Row Spacing	22 in.
Plant Stand @ R3	114,500 plants/ac
Harvest Date	9/27/2025

† WAVE™ is a biostimulant product intended to improve nutrient use efficiency, help maximize yield potential and mitigate abiotic stressors

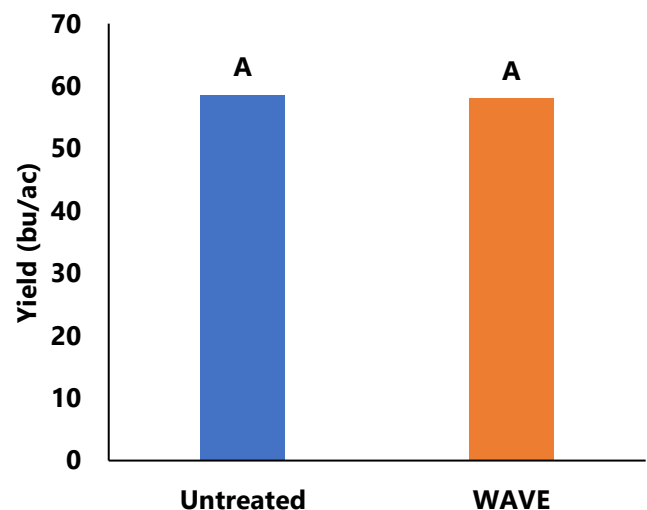
NDVI Field Image August 15



Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	38.7	44.8	70.3	38.9	192.7
Normal	73.61	95.44	73.89	64.32	307.26
% Norm	53%	47%	95%	60%	63%

Yield by Treatment





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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
WAVE™	58.0	\$6.41/ac	-\$6.41/ac
Untreated	58.6		
Yield Difference	-0.6		
P-Value	0.7166		
CV	2.60%		
Significance	No	Economic	No

† Based on an estimated cost for biological products

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