

Soybean Biological Trial

Trial ID: 2024-SB08 – R.M. of Hanover

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

Summary: There was no significant yield difference between soybeans treated with Envita 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.

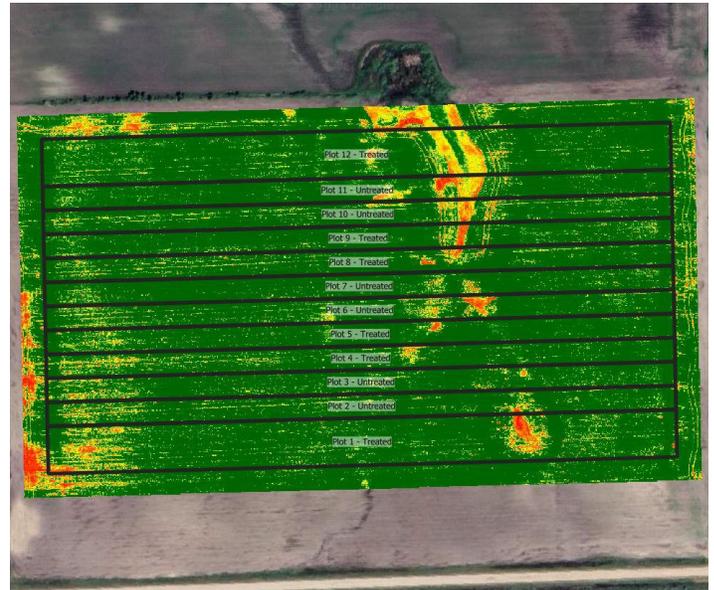
Trial Information

Treatments	Envita® vs Untreated
Soil Texture	Loamy Fine Sand
Previous Crop	Corn
Tillage	Conventional Till
Seeding Date	June 7
Variety	P009Z94E
Seeding Rate	185,000 seeds/ac
Row Spacing	10"
Plant Stand @ R5	102,000 plants/ac
Harvest Date	October 16

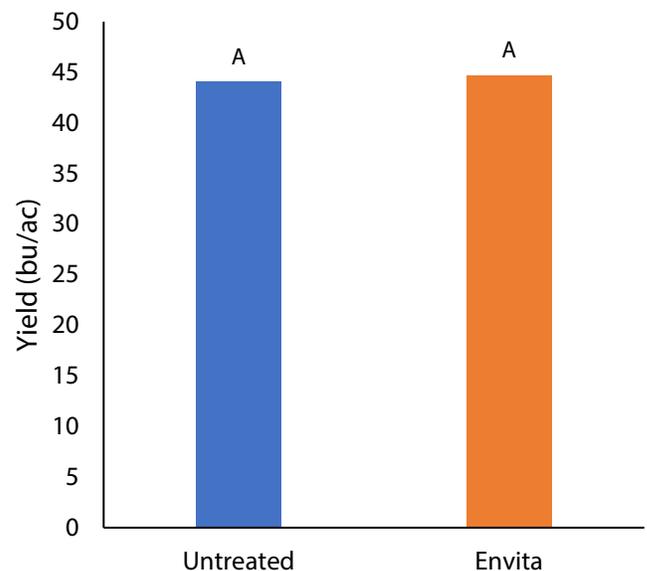
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	83.1	101.5	71.9	48.9	305.4
Normal	58.1	91.3	80.1	66.1	295.6
% Norm	143%	111%	90%	74%	103%

NDVI Field Image August 9



Yield by Treatment





on-farm network
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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Envita®	44.7	\$14.50/ac	-\$14.50/ac
Untreated	44.0		
Yield Difference	0.7		
P-Value	0.543		
CV	3.1%		
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