

Soybean Biological Trial

Trial ID: 2024-SB04 – R.M. of Rosser

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.

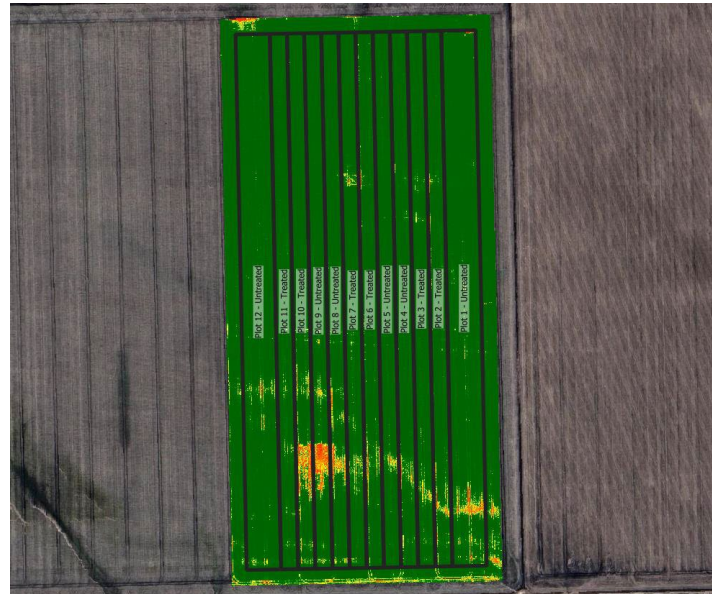
Trial Information

Treatments	Envita® vs Untreated
Soil Texture	Clay
Previous Crop	Triticale
Tillage	Zero Till
Variety	B0044EE (Brevant)
Seeding Date	May 23
Seeding Rate	210,000 seeds/ac
Row Spacing	9"
Plant Stand @ V4	120,000 plants/ac
Harvest Date	September 29

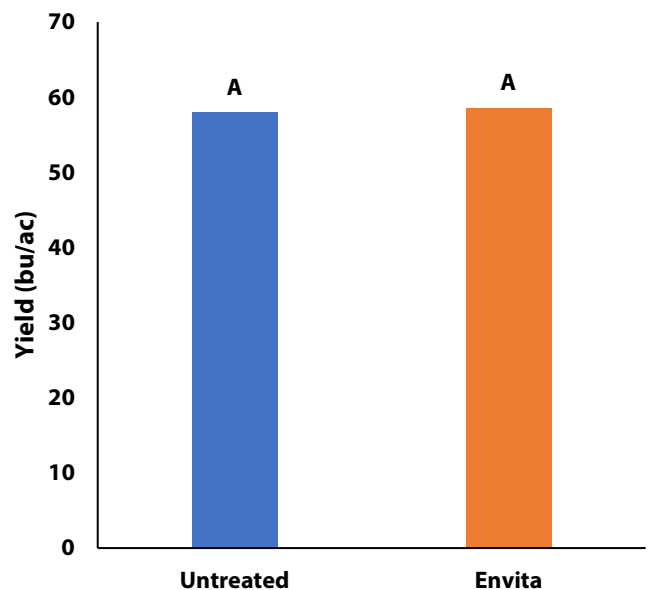
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	99	109.7	71.9	44.3	324.9
Normal	53.8	92	66.4	63.3	275.5
% Norm	184%	119%	108%	70%	118%

NDVI Field Image August 12



Yield by Treatment





on-farm network
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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Envita®	58.5	\$14.50/ac	-\$14.50/ac
Untreated	57.9		
Yield Difference	0.6		
P-Value	0.645		
CV	3%		
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