

Soybean Biological Trial

Trial ID: 2024-SB02 – R.M. of Morris

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	Wheat
Tillage	Conventional Till
Seeding Date	May 13
Variety	SI 001XTN
Seeding Rate	127,000 seeds/ac
Row Spacing	30"
Plant Stand @ R3	112,000 plants/ac
Harvest Date	September 29

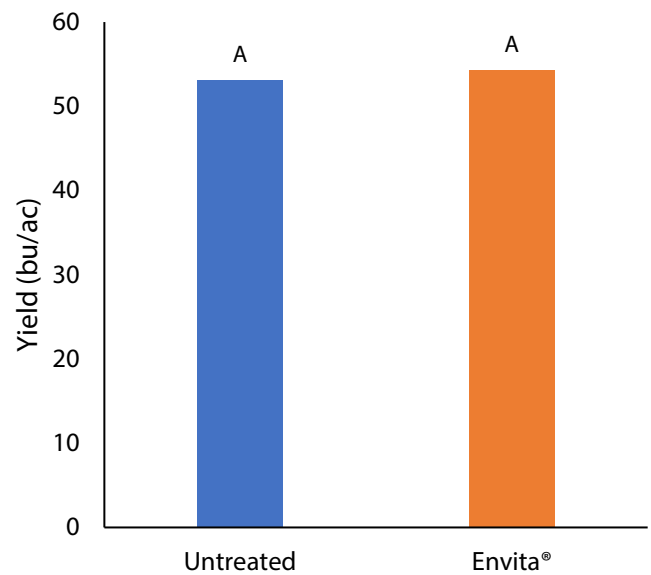
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	122	90.6	60.4	60.6	333.6
Normal	53.6	86.4	71.9	65.4	277.3
% Norm	228%	105%	84%	93%	120%

NDVI Field Image August 10



Yield by Treatment





on-farm network
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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Envita®	54.3	\$14.50/ac	-\$14.50/ac
Untreated	53.1		
Yield Difference	1.2		
P-Value	0.073		
CV	1.1%		
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