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Soybean Biological Trial

Trial ID: 2023-SB05 – 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 †

Treatment	Envita™
Soil Texture	Loamy Fine Sand
Previous Crop	Corn
Tillage	Conventional
Seeding Date	May 19
Variety	P00A75X
Seeding Rate	136 209 seeds/ac
Row Spacing	30"
Plant Stand @ V2	122 000 plants/ac
Harvest Date	September 18

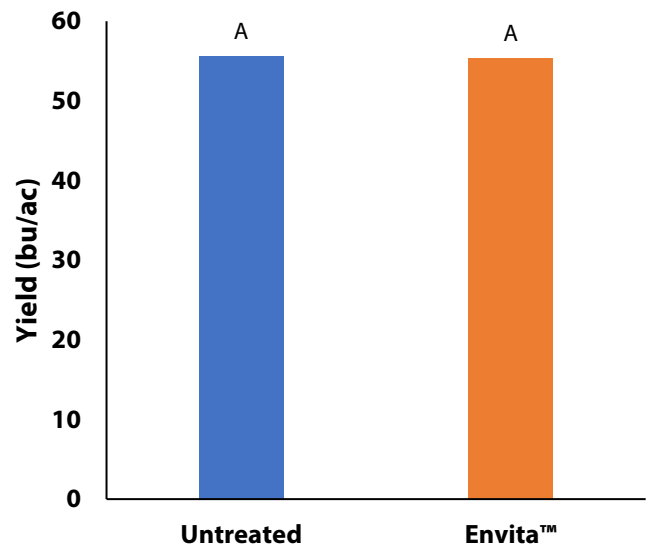
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	41.3	97	80	31.6	250
Normal	57.8	89.5	81	71.8	300
% Norm	71%	108%	99%	44%	83%

NDVI Field Image August 12



Yield by Treatment





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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Envita™	55.3	\$13/ac	-\$13/ac
Untreated	55.6		
Yield Difference	-0.3		
P-Value	0.796		
CV	2.3%		
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