

Soybean Biological Trial

Trial ID: 2024-SB01 – R.M. of Roland

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	Loam
Previous Crop	Canola
Tillage	Conventional Till
Seeding Date	May 8
Variety	S007-A2XS
Seeding Rate	165,000 seeds/ac
Row Spacing	15"
Plant Stand @ V2	130,000 plants/ac
Harvest Date	September 25

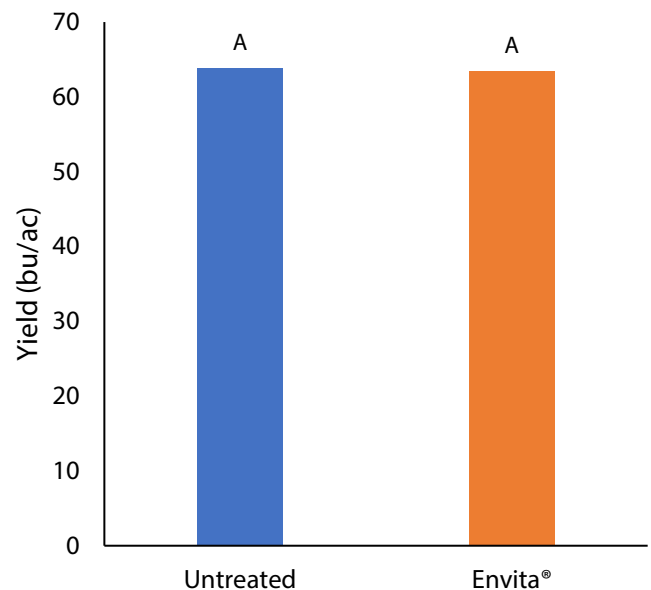
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	125.8	99.7	73.4	96.4	395.3
Normal	53.6	86.4	71.9	65.4	277.3
% Norm	235%	115%	102%	147%	143%

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®	63.5	\$14.50/ac	-\$14.50/ac
Untreated	63.8		
Yield Difference	-0.3		
P-Value	0.719		
CV	2.1%		
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