

Soybean Biological Trial

Trial ID: 2024-SB03 – R.M. of Brokenhead

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

Summary: There was no significant yield difference between soybeans treated with Crop Aid Plus, Crop Aid Plus + Envita, Envita and untreated soybeans. Due to the lack of yield responses, there was a decrease in profit/ac in the treated areas of the trial, equivalent to the cost of products.

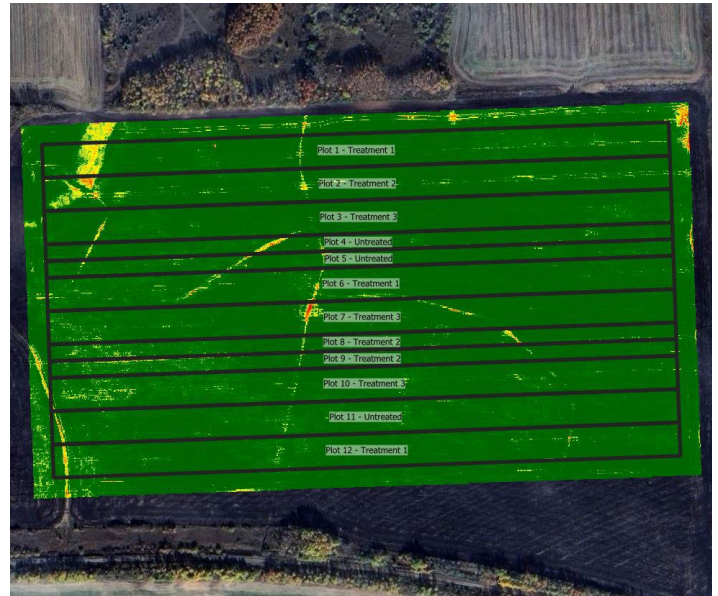
Trial Information

Treatments	CropAid Plus® vs CropAid Plus® + Envita® vs Envita® vs Untreated
Soil Texture	Clay
Previous Crop	Wheat
Tillage	Conventional Till
Seeding Date	May 11
Variety	
Seeding Rate	225,000 seeds/ac
Row Spacing	6.5"
Plant Stand @ R3	112,000 plants/ac
Harvest Date	September 29

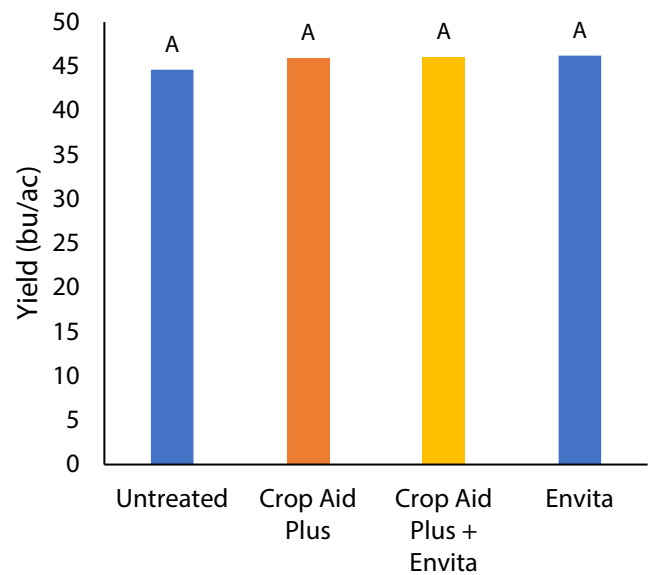
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	76.5	95.4	50.9	41.5	264.3
Normal	54	89.9	73.4	72.6	289.9
% Norm	142%	106%	69%	57%	91%

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 ††
Crop Aid Plus®	46.0	\$5/ac	-\$5/ac
Crop Aid Plus® + Envita®	46.0	\$19.50/ac	-\$19.50/ac
Envita®	46.2	\$14.50/ac	-\$14.50/ac
Untreated	44.6		
P-Value	0.417		
CV	2.7%		
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