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Soybean Biological Trial

Trial ID: 2023-SB07 – R.M. of Rockwood

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

Summary: There was no significant yield difference between soybeans treated with Fertiactyl® 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.

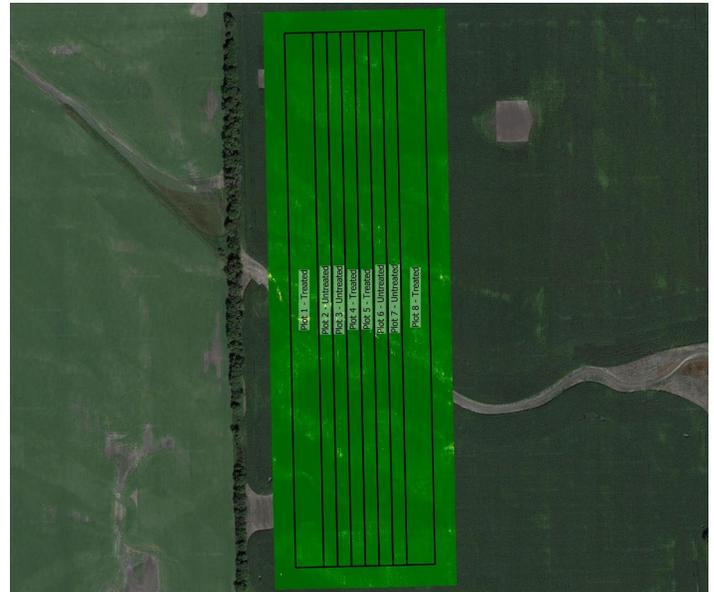
Trial Information †

Treatment	Fertileader Vital 9-5-4
Soil Texture	Very Fine Sandy Loam
Previous Crop	Corn
Tillage	Conventional
Seeding Date	May 26
Variety	NSC Holland RR2X
Seeding Rate	195 000 seeds/ac
Row Spacing	10"
Plant Stand @ V2	143 000 pants/ac
Harvest Date	October 12

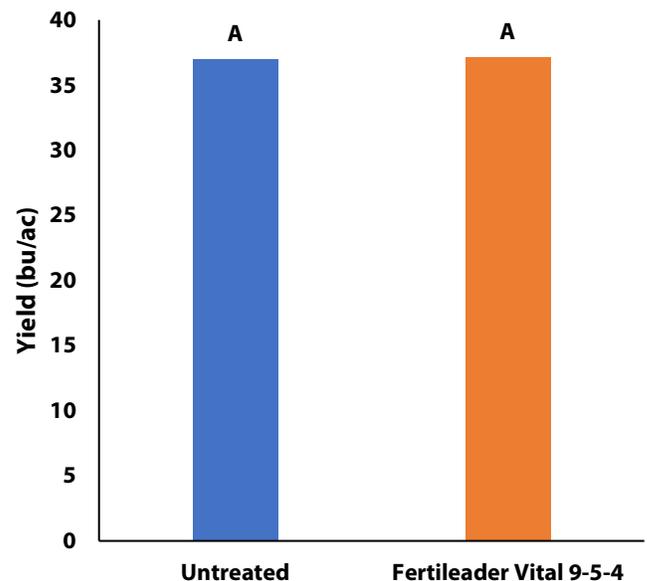
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	11.8	47.4	47	48.4	154
Normal	53.8	92	66	63.3	276
% Norm	22%	52%	70%	76%	56%

NDVI Field Image August 13



Yield by Treatment





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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Fertileader Vital 9-5-4	37.2	\$28/ac	-\$28/ac
Untreated	37.0		
Yield Difference	0.2		
P-Value	0.8704		
CV	5.1%		
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