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Soybean Biological Trial

Trial ID: 2023-SB06 – R.M. of Bifrost-Riverton

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.

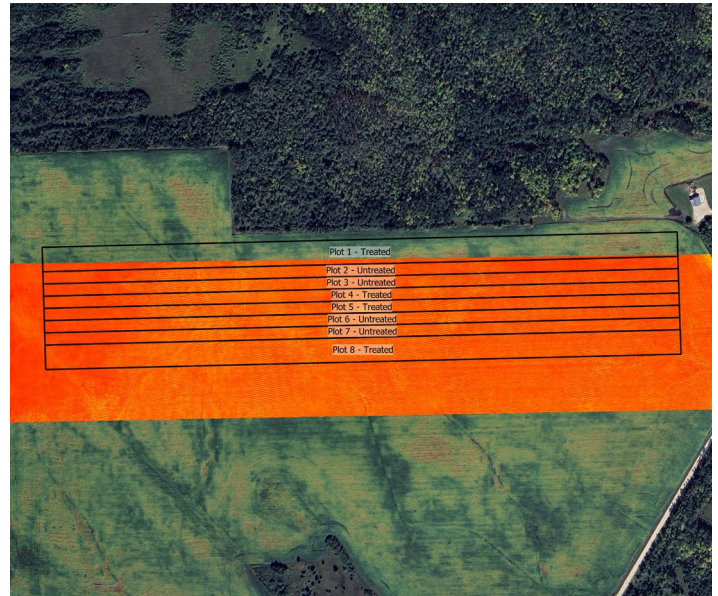
Trial Information †

Treatment	Fertiactyl®
Soil Texture	Clay
Previous Crop	Canola
Tillage	Conventional
Seeding Date	May 23
Variety	S007-A2XS
Seeding Rate	180 000 seeds/ac
Row Spacing	20"
Plant Stand @ V2	140 000 plants/ac
Harvest Date	October 16

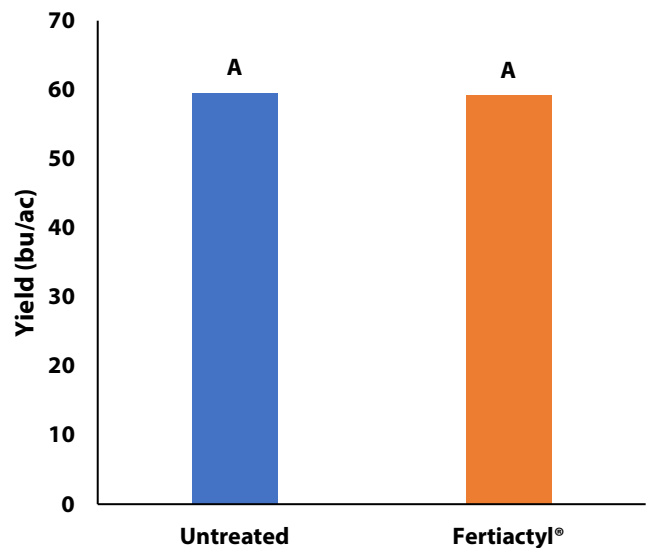
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	26.5	32.9	50	110	220
Normal	44.7	75.6	69	79.7	269
% Norm	59%	44%	73%	138%	82%

NDVI Field Image August 14



Yield by Treatment





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Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac ^{††}
Fertiactyl®	59.1	\$28/ac	-\$28/ac
Untreated	59.5		
Yield Difference	-0.4		
P-Value	0.759		
CV	2.81		
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