



on-farm network
PARTICIPATORY • PRECISE • PROACTIVE

Soybean Biological Trial

Trial ID: 2023-SB02 – 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	Fertiactyl®
Soil Texture	Clay Loam
Previous Crop	Wheat
Tillage	-
Seeding Date	-
Variety	-
Seeding Rate	-
Row Spacing	7.5"
Plant Stand @ V1	249 000 plants/ac
Harvest Date	September 20

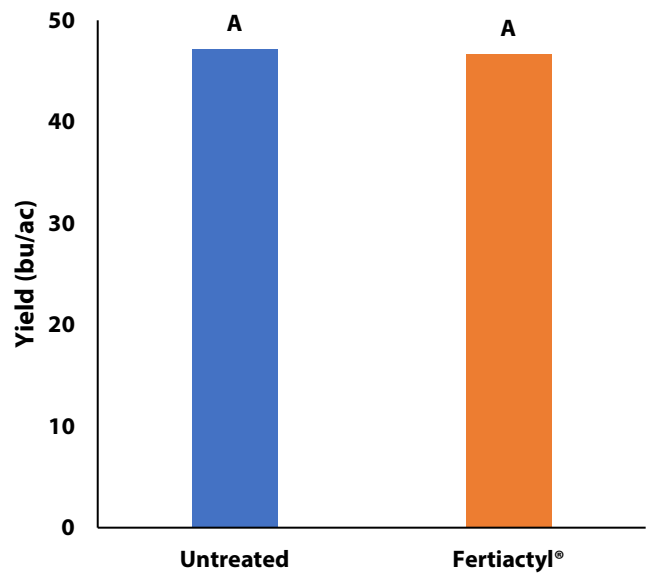
Precipitation (mm)

	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





on-farm network
PARTICIPATORY • PRECISE • PROACTIVE

Soybean Biological Trial

Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Fertiactyl®	46.3	\$28/ac	-\$28/ac
Untreated	47.5		
Yield Difference	-1.2		
P-Value	0.072		
CV	1.2%		
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