

Soybean Biological Trial

Trial ID: 2024-SB07 – R.M. of Minitonas-Bowsman

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

Summary: There was no significant yield difference between soybeans treated with Primacy Alpha 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.

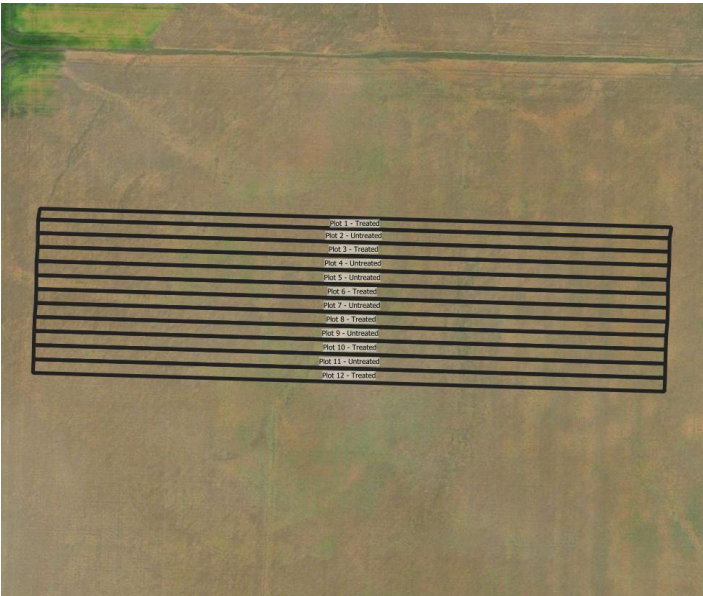
Trial Information

Treatments	Primacy Alpha® vs Untreated
Soil Texture	Clay
Previous Crop	LL Canola
Tillage	Conventional Till
Seeding Date	May 13
Variety	D8X
Seeding Rate	69.5 lbs/ac
Row Spacing	10"
Plant Stand @ R5	106,000 plants/ac
Harvest Date	October 3

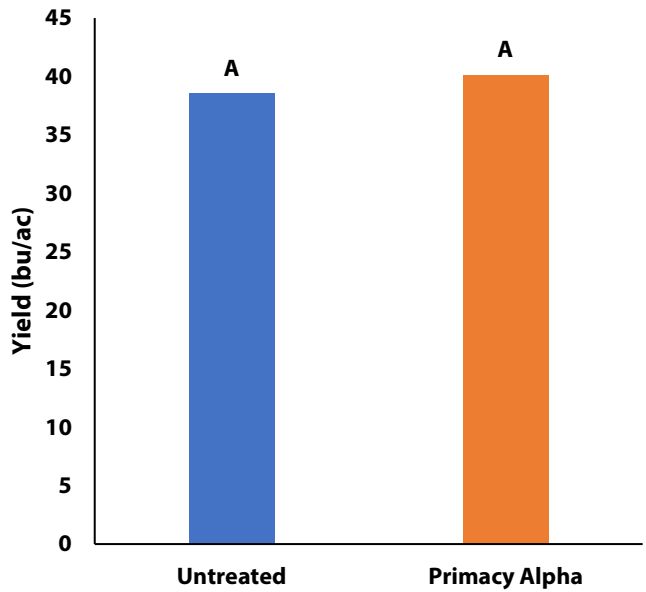
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	65.3	63	32.3	33.9	194.5
Normal	45.4	84.2	85.6	68.3	283.5
% Norm	144%	75%	38%	50%	69%

Trial Layout



Yield by Treatment





on-farm network
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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Primacy Alpha®	40.1	\$8.50/ac	-\$8.50/ac
Untreated	38.5		
Yield Difference	1.6		
P-Value	0.390		
CV	7.3%		
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