

Soybean Biological Trial

Trial ID: 2025-SB01 – R.M. of De Salaberry

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

Summary: There was no significant yield difference between soybeans treated with Release HA® 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 application.

Trial Information

Treatments	Untreated vs. 5.6 gal/ac Release HA® (Humic Acid) [†]
Application Method	In-furrow with Seed
Soil Texture	Clay
Previous Crop	Wheat
Tillage	Zero Tillage
Seeding Date	5/12/2025
Variety	Merino R2X
Seeding Rate	170,000 seeds/ac
Row Spacing	22 in.
Plant Stand @ R1	136,813 plants/ac
Harvest Date	9/26/2025

[†] Release HA® is a humic fluvic acid product intended to improve soil properties and enhance nitrogen use efficiency.

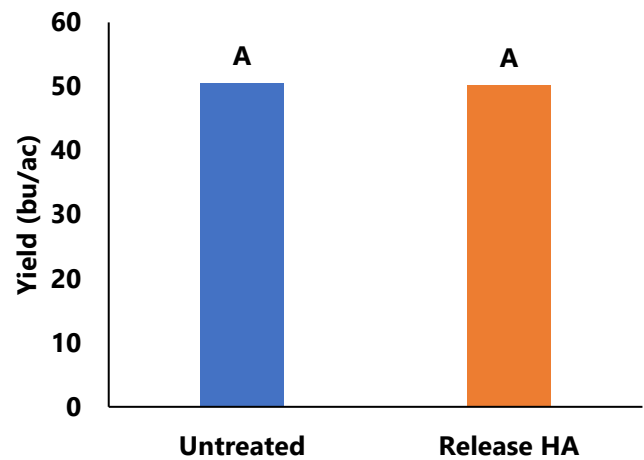
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	39.9	41.1	91.6	65.2	237.8
Normal	73.52	91.63	83.06	68.67	316.88
% Norm	54%	45%	110%	95%	75%

NDVI Field Image August 15



Yield by Treatment



Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit ^{††}
Release HA	50.2	\$10.76/ac	-\$10.76/ac
Untreated	50.5		
Yield Difference	-0.3		
P-Value	0.7549		
CV	2.4%		
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.