

Pea Biological Trial

Trial ID: 2025-PB02 – R.M. of Rockwood

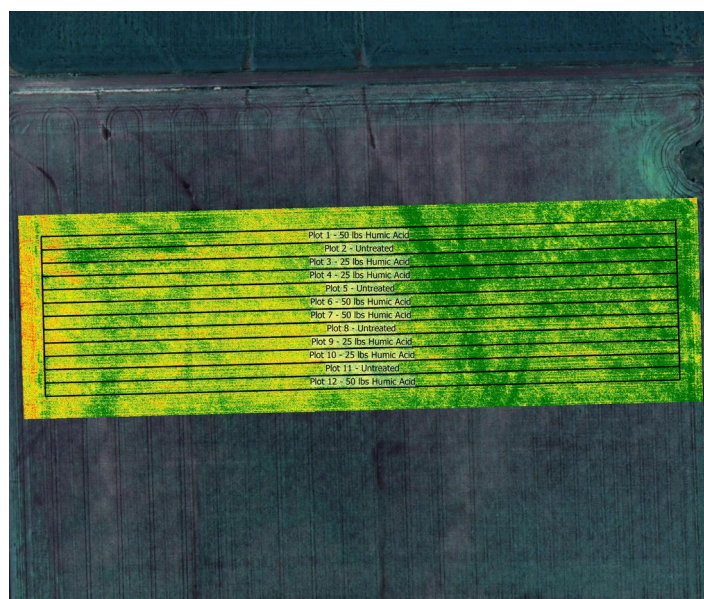
Objective: Quantify the agronomic and economic impacts of biological products for pea production.

Summary: There was no significant yield difference between peas treated with Bio-Forge Premiere® and peas treated with a tank mix of Bio-Forge Premiere® plus ONYX Liquid Sugar®. Due to the lack of yield response, there was a decrease in profit/ac in the Bio-Forge Premiere® plus ONYX Liquid Sugar® area of the trial, equivalent to the cost of product.

Trial Information

Treatments	10L/ac Bio-Forge Premiere® vs. 10L/ac Bio-Forge Premiere® + 0.5L/ac ONYX Liquid Sugar®
Soil Texture	Silty Clay Loam
Previous Crop	Wheat
Tillage	Conventional Tillage
Seeding Date	5/6/2025
Variety	AAC Carver
Seeding Rate	180 lbs/ac
Row Spacing	10 in.
Plant Stand @ R4	288,938 plants/ac
Harvest Date	8/5/2025

NDVI Field Image August 12

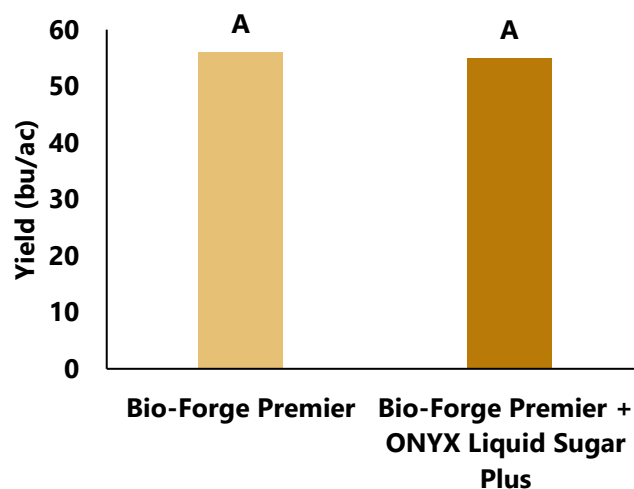


Yield by Treatment

Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	14.7	23.5	24.1	133.5	195.8
Normal	66.93	96.96	78.74	77.74	320.37
% Norm	22%	24%	31%	172%	61%

PB02



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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit ††
Bio-Forge Premiere	56.0	\$11.27/ac	
Bio-Forge Premiere + ONYX Liquid Sugar	55.0	\$18.42/ac	-\$7.15/ac
Yield Difference	-1.0		
P-Value	0.629		
CV	5.1%		
Significance	No	Economic	No

† Based on an estimated cost for biological products, does not include application cost

†† Yields were not significantly different, therefore there is no increased income to offset the cost of the additional biological product