

Dry Bean Biological Trial

Trial ID: 2025-DBB02 – R.M. of Roland

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

Summary: There were no significant yield differences between dry beans treated with PhycoTerra™ FX, dry beans treated with PhycoTerra™ FX + WAVE™ 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 the product(s).

Trial Information

Treatments	1 L/ac PhycoTerra™ FX + 60 mL/ac WAVE™
Soil Texture	Loam
Previous Crop	Oats
Tillage	Conventional Tillage
Seeding Date	5/17/2025
Variety	Pinto Bean SV6139GR
Seeding Rate	85,000 seeds/ac
Row Spacing	30
Plant Stand @ R6	68,333 plants/ac
Harvest Date	9/8/2025

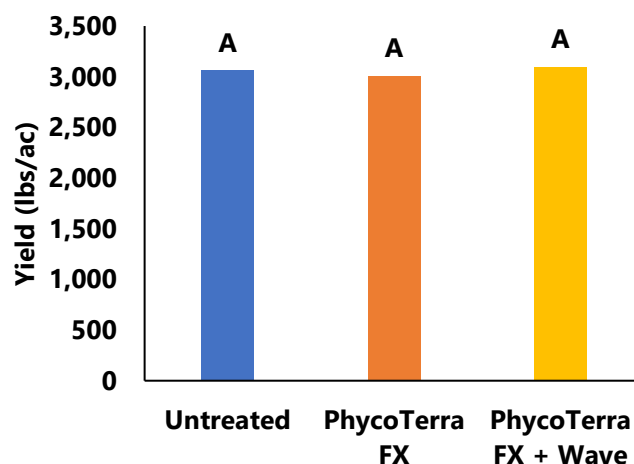
Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	36.6	34.9	43.2	48.3	163
Normal	76.56	89.72	70.62	66.02	302.92
% Norm	48%	39%	61%	73%	54%

NDVI Field Image August 14



Yield by Treatment



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Overall Yield & Economics

	Mean (lbs/ac)	Cost †	Change in Profit ††
Untreated	3058		
PhycoTerra™ FX	3006	\$6.41/ac	-\$6.41/ac
PhycoTerra™ FX + WAVE™	3098	\$12.91/ac	-\$12.91/ac
P-Value	0.6795		
CV	3.7%		
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