Dry Bean Inoculant Trial

Trial ID: 2025-DB1IN02 – R.M. of St. Clements

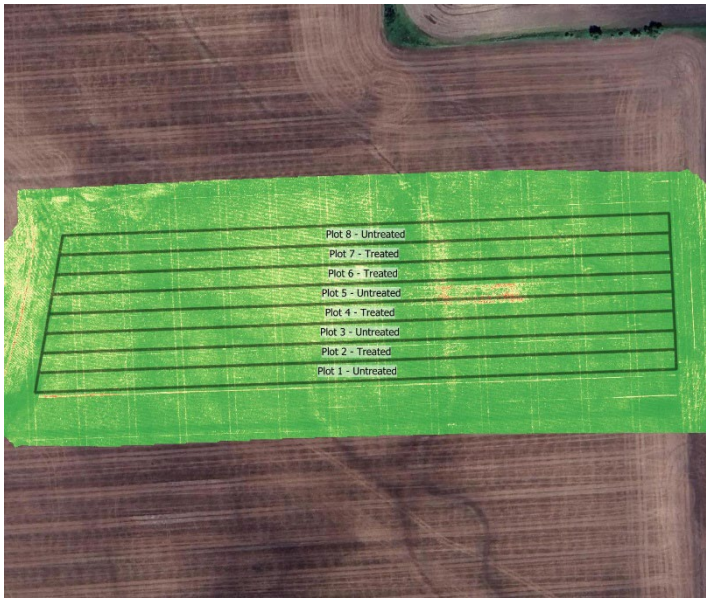
Objective: Quantify the agronomic and economic impacts of inoculant products vs. no inoculation in dry beans.

Summary: There were significantly more nodules per plant in the untreated dry beans compared to dry beans with inoculant. There was no significant yield difference between dry beans with and without LEGUMFiX®. Due to the lack of yield response, there was a decrease in profit/ac, equivalent to the cost of the inoculant or nitrogen fertilizer.

Trial Information ǂ

Treatments	Untreated vs. 4g LEGUMEFiX®/kg seed
Applied Fertilizer (N)	70 lbs/ac N broadcast on both treatments
Last Dry Bean Crop	Never
Soil Texture	Very Fine Sandy Loam
Previous Crop	Forage
Tillage	Conventional Tillage
Seeding Date	24/05/25
Market Class	Pinto Bean
Seeding Rate	94,000 seeds/ac
Row Spacing	15 in.
Plant Stand @ V4	89,188 plants/ac
Spring Soil Test N (0-24")	89 lbs/ac
Harvest Date	30/09/25

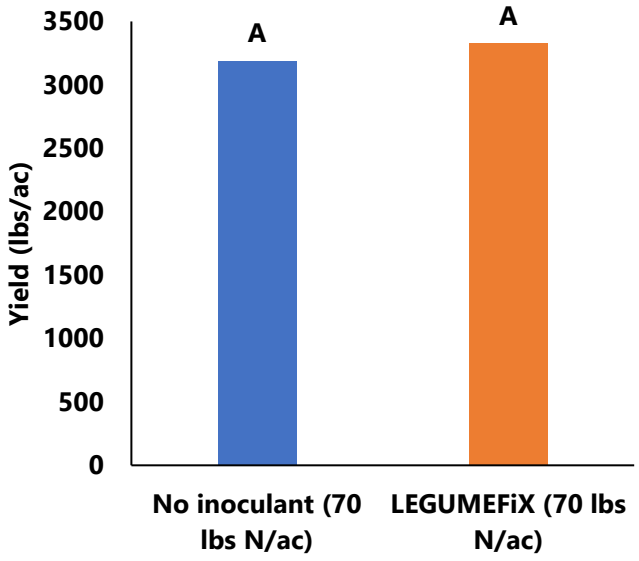
NDVI Field Image July 15



Precipitation (mm)

	May	June	July	Aug	Total
Rainfall	15.2	54.1	48.7	69.9	187.9
Normal	65.02	89.83	77.24	74.64	306.73
% Norm	23%	60%	63%	94%	61%

Yield by Treatment



Nodulation ǂ

	Average Total Nodule Number Per Plant at R6
Untreated	9.6 A
LEGUMEFiX	7.1 B

ǂ Averages followed by different letters are significantly different at α =0.05

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Overall Yield & Economics

	Mean (lbs/ac)	Cost †	Change in Profit ††
Untreated	3187		
LEGUMEFiX	3328	$4.30/ac	-$4.30/ac
Yield Difference	141		
P-Value	0.1075		
CV	3.8%		
Significance	**No**	**Economic**	**No**

† Based on an estimated cost for in-furrow inoculant

†† Because yields were not significantly different, there was no increased income to offset the cost of the inoculants

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