

Dry Bean Biological Trial

Trial ID: 2025-DBB01 – R.M. of Oakland – Wawanesa

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

Summary: There was no significant yield difference between dry beans treated with 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.

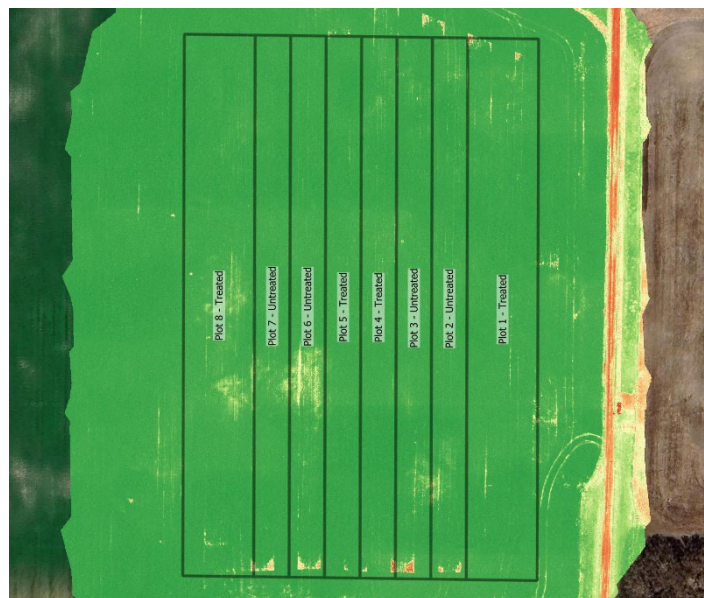
Trial Information

| | |
|-------------------------|------------------------------|
| Treatments | Untreated vs. 60 mL/ac WAVE® |
| Soil Texture | Loam |
| Previous Crop | Canola |
| Tillage | Conventional Tillage |
| Seeding Date | 5/31/2025 |
| Variety | Navy Bean T9905 |
| Seeding Rate | 133,000 seeds/ac |
| Row Spacing | 12 |
| Plant Stand @ R1 | 102,938 plants/ac |
| Harvest Date | 10/2/2025 |

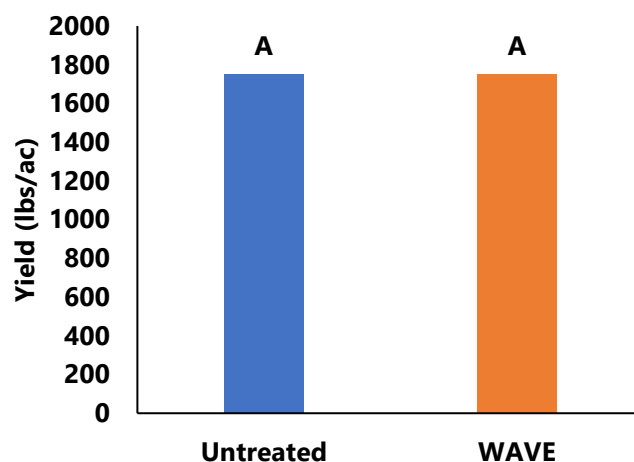
Precipitation (mm)

| | May | June | July | Aug | Total |
|-----------------|-------|--------|-------|-------|--------|
| Rainfall | 51 | 22.4 | 37.1 | 52.5 | 163 |
| Normal | 65.76 | 103.69 | 70.57 | 46.93 | 286.95 |
| % Norm | 78% | 22% | 53% | 112% | 57% |

NDVI Field Image August 12



Yield by Treatment



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Overall Yield & Economics

| | Mean (lbs/ac) | Cost † | Change in Profit †† |
|------------------|---------------|-----------|---------------------|
| Untreated | 1753.3 | | |
| Treated | 1752.5 | \$6.41/ac | -\$6.41/ac |
| Yield Difference | -0.8 | | |
| P-Value | 0.9960 | | |
| CV | 10.8% | | |
| 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