

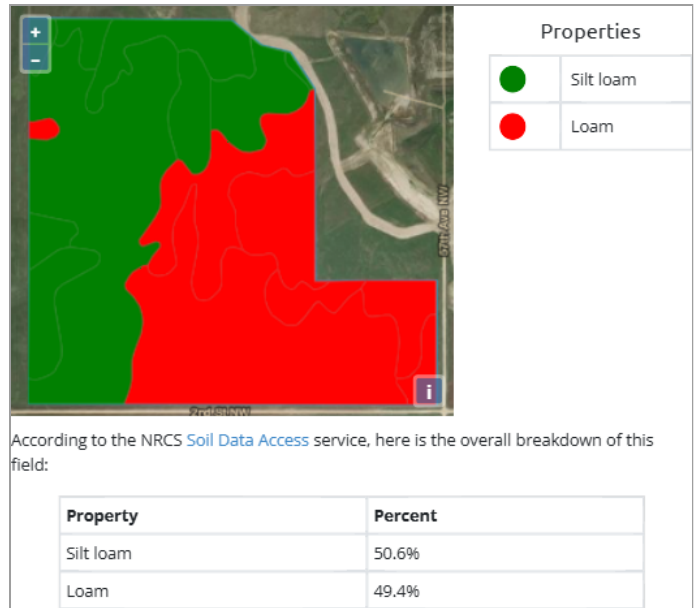
Product Trial Report

GROWER DETAILS	FIELD DETAILS	PLANTING/HARVEST DETAILS	Total Acre Final Report
Grower:	Total Acres: 292.48	Crop: Canola	Report Date: 01/26/2025
City & State: Beulah, ND	Soil Type: Please see Soil Type Map	Plant Date: 05/10/2024	Harvest Year: 2024
Zip Code: 58523	Tile: No Tile	Row Spacing: 7.5	Crop: Canola
	Irrigation: None	Planting Depth: 0.75	Trial Name: Soil Boost Trial (Year 2 of 3 Year Trial)
	Fall Tillage: Vertical/Min Till	Harvest Date: 08/12/2024	Trial Type: Preplant
	Spring Tillage: No Till		
	Previous Crop: Spring Wheat		

Field Map



Soil Type



Planting Map

No Data Found

Trial Zones



Yield Results Data

High Level Yield Heat Map



This data was filtered based on -2 / +2.5 St Dev

Yield Summary BPA	
Location	Yield
Soil Boost Trial	17.16
Control	16.6
Yield Response	0.56

Yield Values	
●	9.2 - 12.9
●	12.9 - 15.6
●	15.6 - 17.8
●	17.8 - 21.5
●	21.5 - 26.5



Product Trial Report

Product Trial Comments:

This trial is Year 2 of a 3 year study on reclaimed mining ground using Soil Boost. This canola plot had a +0.56 bushel/acre yield response using the $-2/+2.5$ Standard Deviation measurement method to tighten yield data points. No planting mapping was available, it was confirmed that the same variety was planted across the entire study

Penetrometer Readings

- **6/12/24 Results (30 DAP)** - Using small tip on penetrometer. **Trial** - average depth = 8 inches, **Control** - average depth = 5 inches
- **7/14/24 Results (60 DAP)** - Penetrometer hit 300 psi before breaking the surface due to ground being hard due to lack of rain

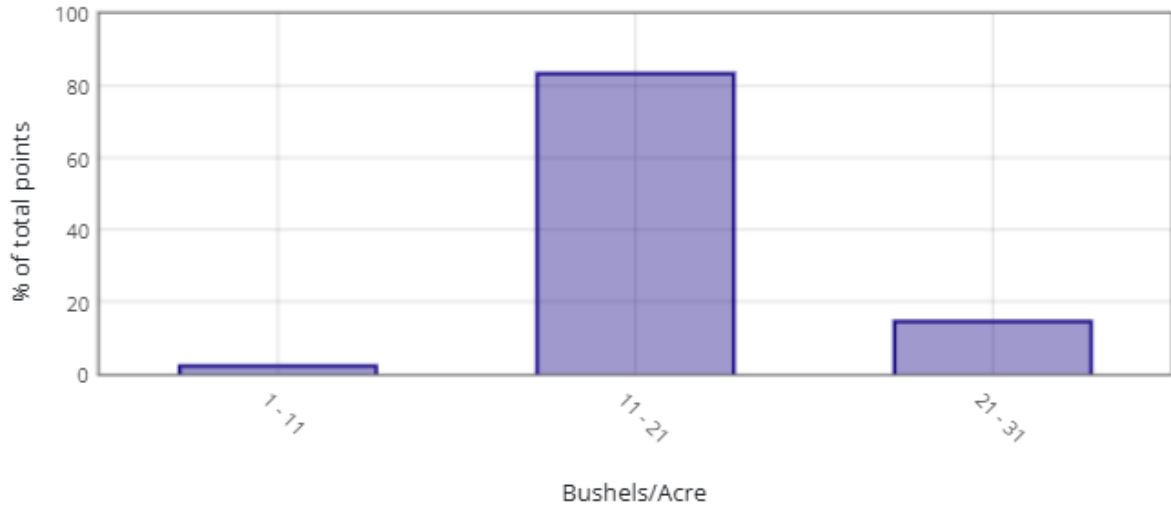
Application Date and Details:

Application Date: 4/13/24

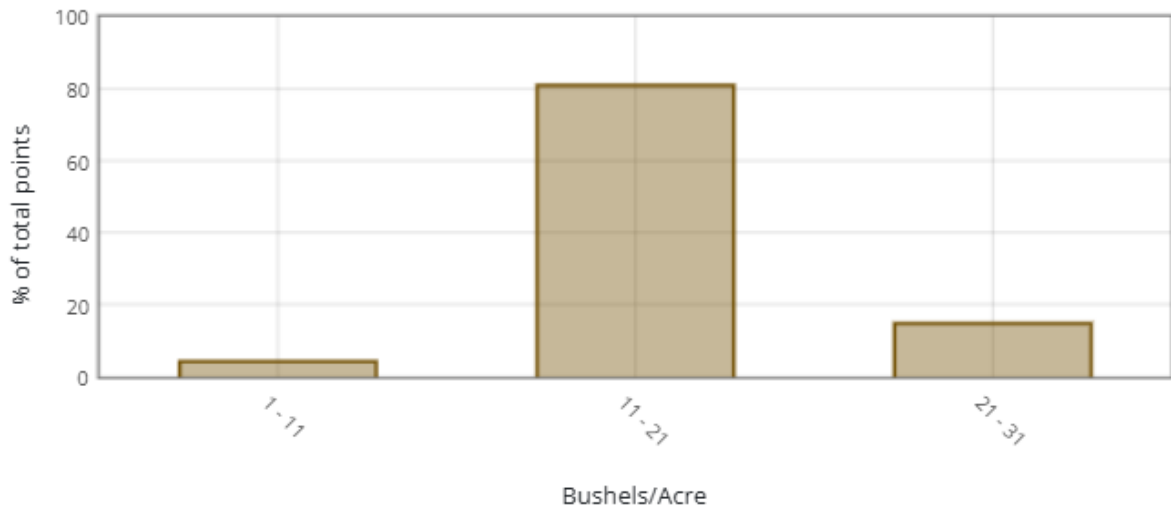
Application Method: Broadcast

Product Application Rate/Acre: Soil Boost = 150 lbs.

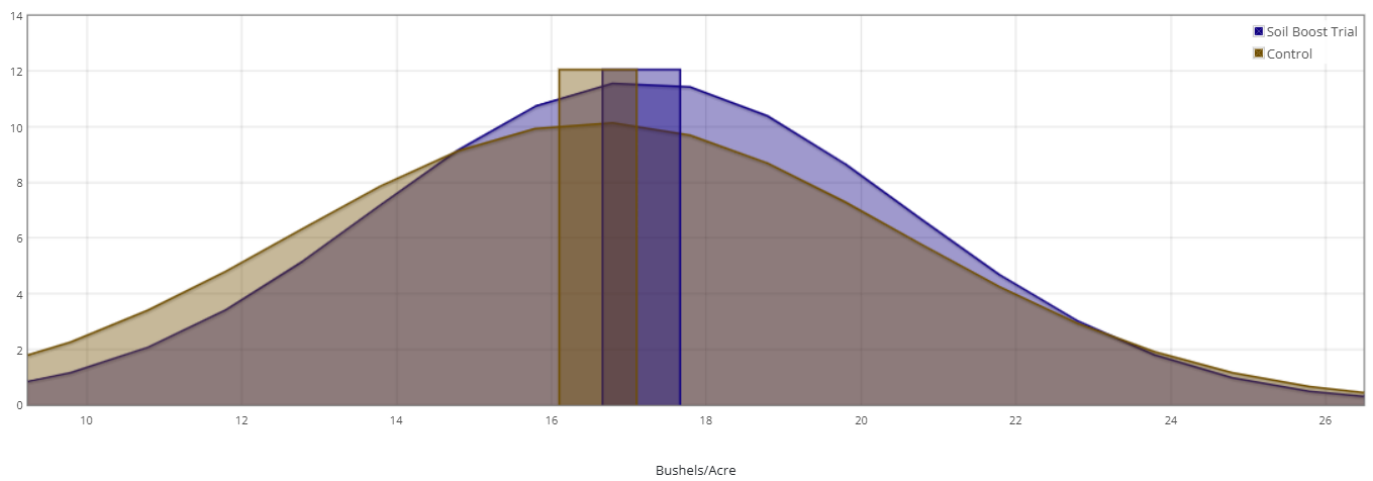
Soil Boost Trial



Control



Normal Curve Distribution





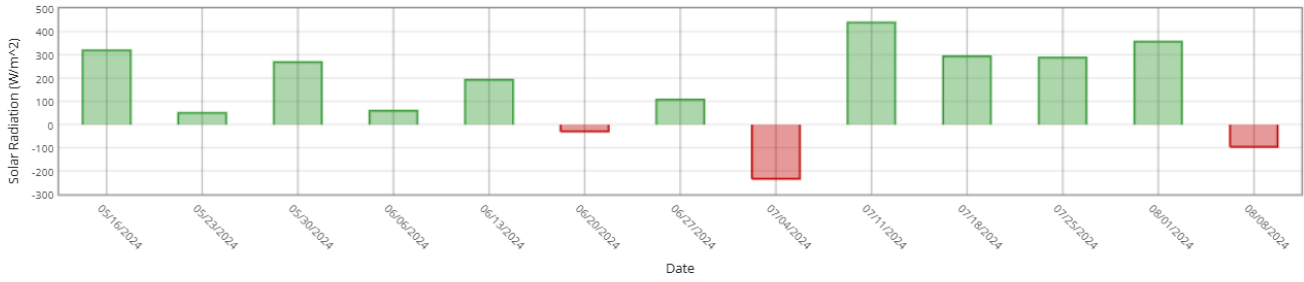
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Trial Location Weather Data vs 5 Yr Avg

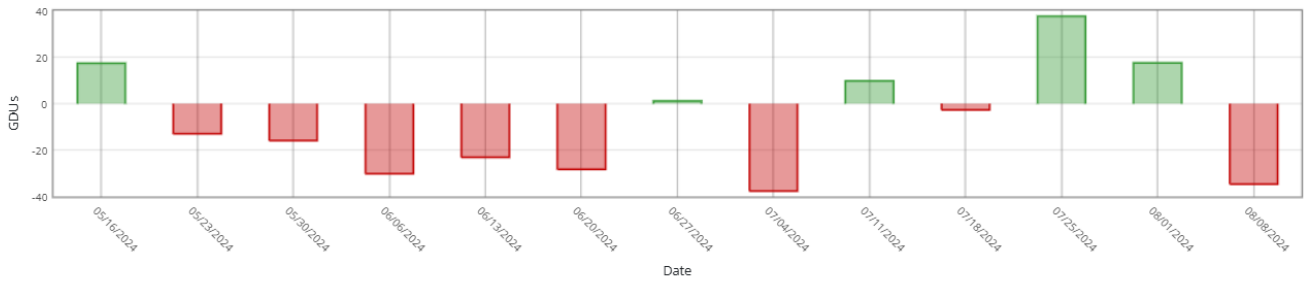
Historical Averages based on past years

Cumulative Week over Week

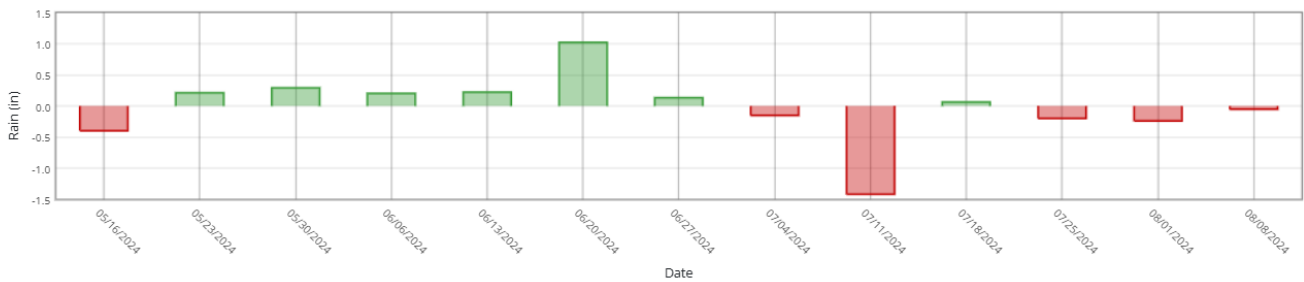
Sunlight



Heat (GDUs)

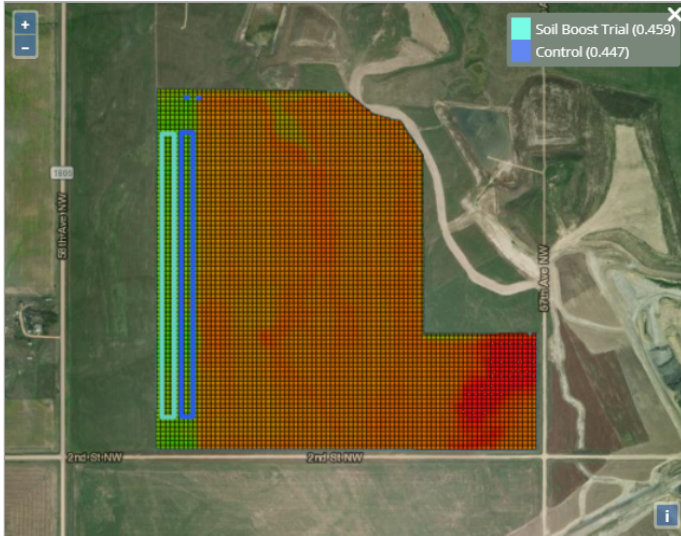


Rain



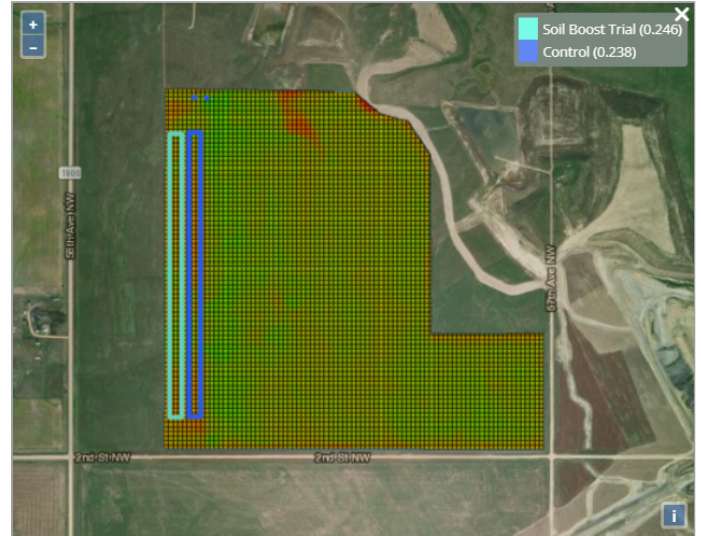
Additional References

Satellite Imagery - 06/19/2024 - Trial: SoilBiotics Soil Boost - NDVI Green



This satellite imagery (NDVI Green) is used to measure plant health and chlorophyll production markers. This imagery taken 5 weeks post planting shows that the Soil Boost location is +2.7% to the Control which is a positive reading for this measurement

Satellite Imagery - 08/03/2024 - Trial: SoilBiotics Soil Boost - NDVI Green



This imagery taken 9 days before harvest shows that the Soil Boost location is now +3.36% better than the Control