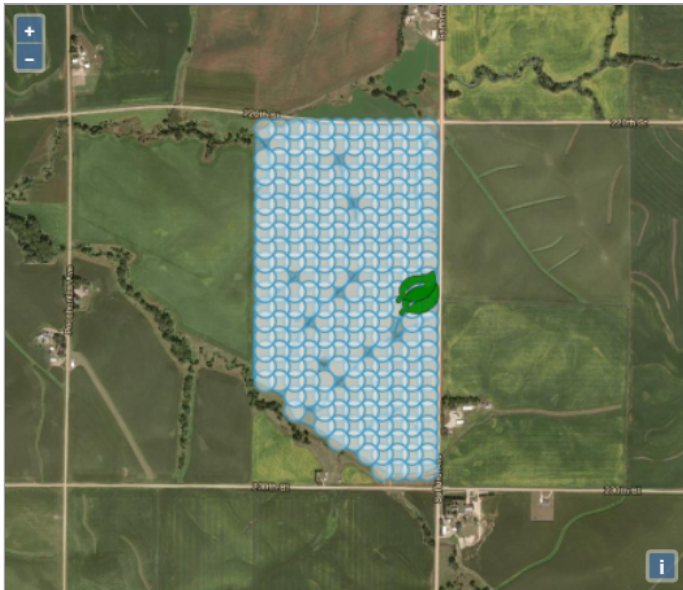


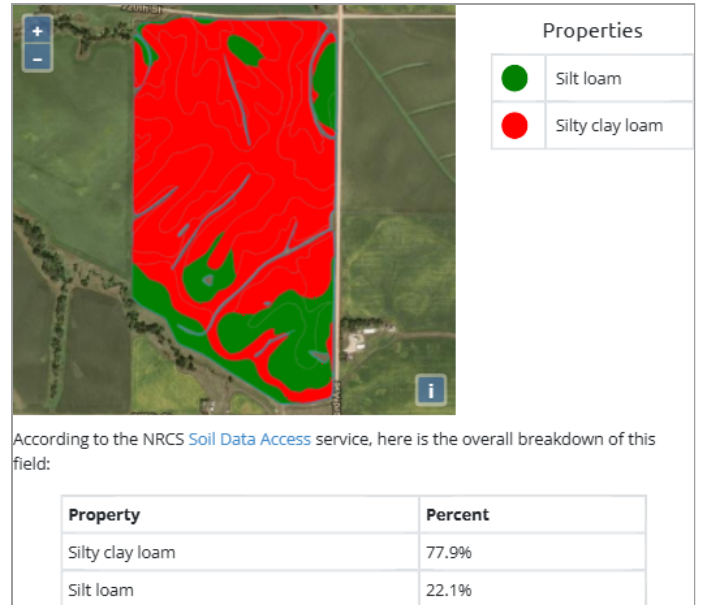
Product Trial Report

GROWER DETAILS	FIELD DETAILS	PLANTING/HARVEST DETAILS	Total Acre Final Report
Grower:	Total Acres: 258.15	Crop: Soybean	Report Date: 01/26/2025
City & State: Correctionville, IA	Soil Type: Please see Soil Type Map	Plant Date: 04/15/2024	Harvest Year: 2024
Zip Code: 51016	Irrigation: None	Row Spacing: 15"	Crop: Soybean
	Fall Tillage: No Till	Planting Depth: 1.75	Trial Name: Soil Boost Trial (Year 2 of 3 Year Trial)
	Spring Tillage: No Till	Harvest Date: 09/27/2024	Trial Type: Preplant
	Previous Crop: Corn	Variety: 22A67E	
		Seed Company: Pioneer	
		Population: 120000	

Field Map



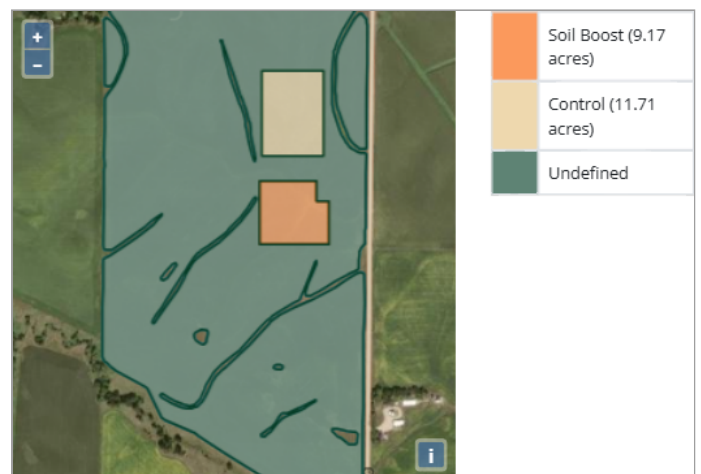
Soil Type



Planting Map

No Data Found

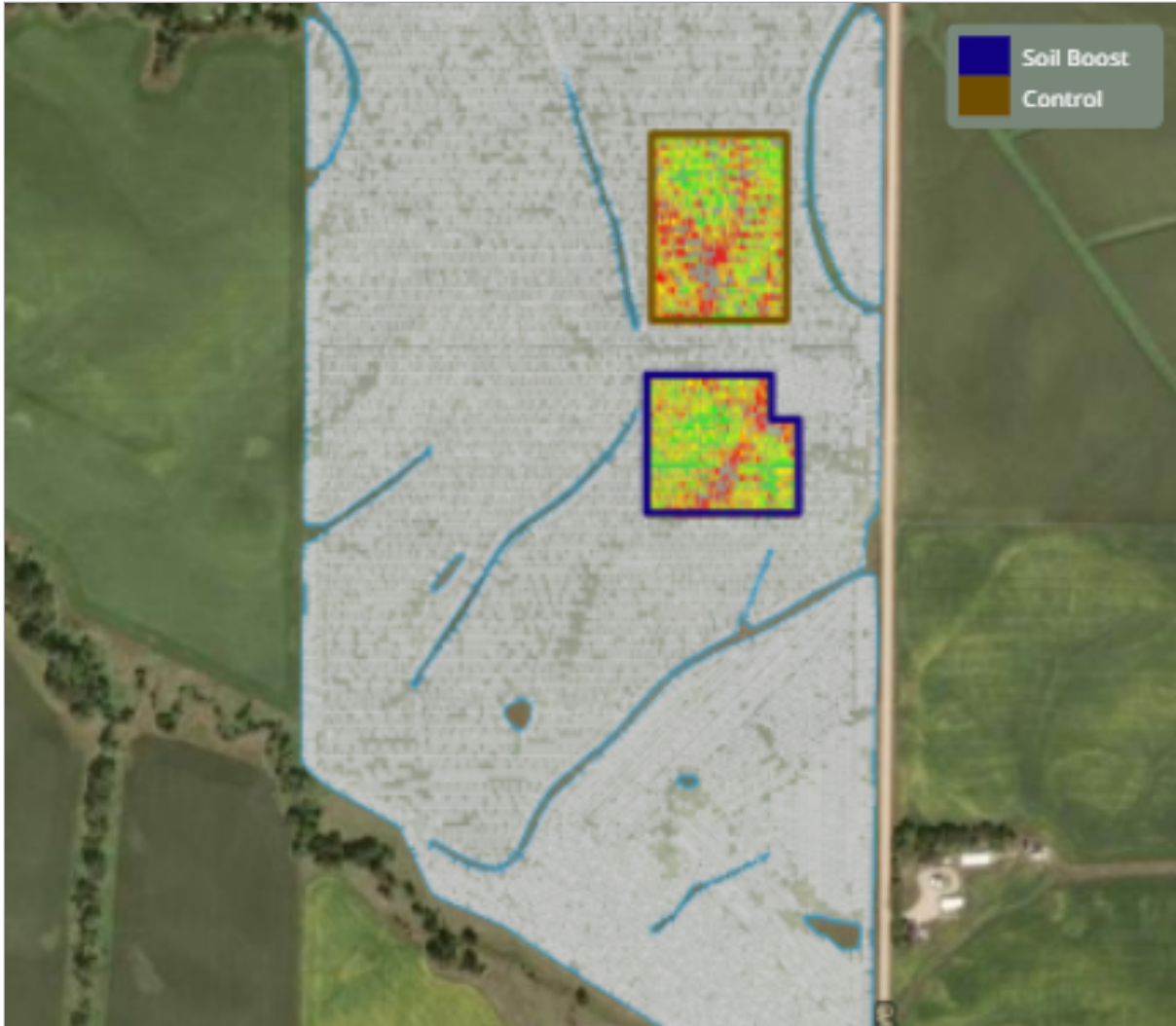
Trial Zones



Product Trial Report

Yield Results Data

High Level Yield Heat Map



This data was filtered based on $-1 / +2.5$ St Dev

Yield Summary BPA	
<i>Location</i>	<i>Yield</i>
Soil Boost	86.23
Control	85
Yield Response	1.23

Yield Values	
●	67.4 - 74
●	74 - 80.8
●	80.8 - 86.4
●	86.4 - 94.8
●	94.8 - 121.9

Product Trial Report

Product Trial Comments:

This is Year 2 of a 3 year study using Soil Boost. The trial was strategically placed in a location with high levels of compaction. This trial had a +1.23 bushel/acre yield response using the -1/+2.5 Standard Deviation measurement to tighten yield data points.

Penetrometer Readings

5/13/24 Results (30 DAP) - Soil density was identified being very similar between Soil Boost and Control. The penetrometer was met with little pressure for the entire length of the rod. It was reported that optimum soil moisture conditions existed at the time of this test.

9/5/24 - It was reported that the soybeans were turning quicker on the Soil Boost while the control is still green. Please refer to the satellite imagery at the bottom of this report where it illustrates that significant improvement is being made in the Soil Boost location when measuring plant health and chlorophyll production markers

Application Date and Details:

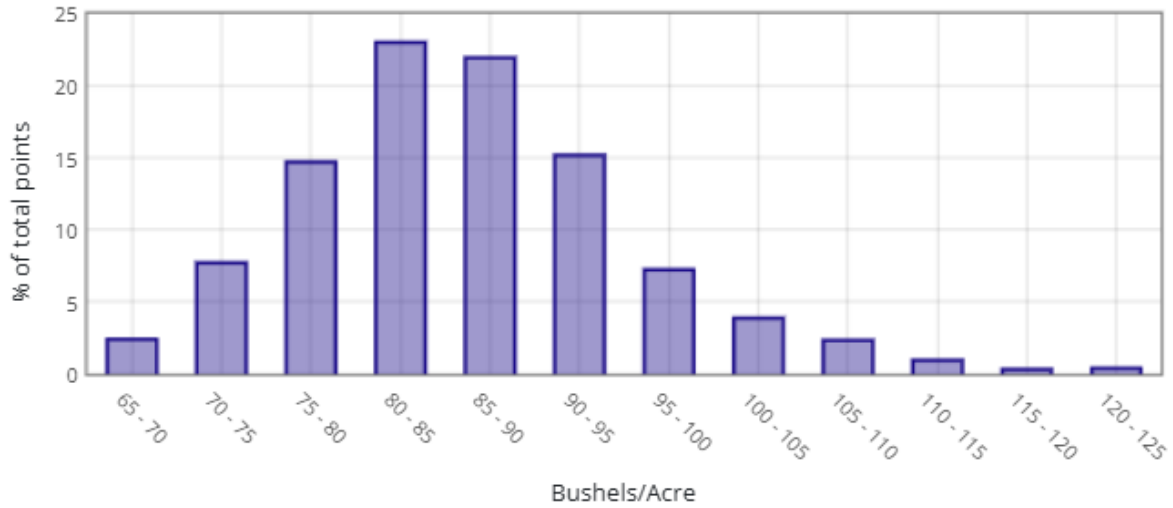
Application Date: 4/5/24

Application Method: Broadcast

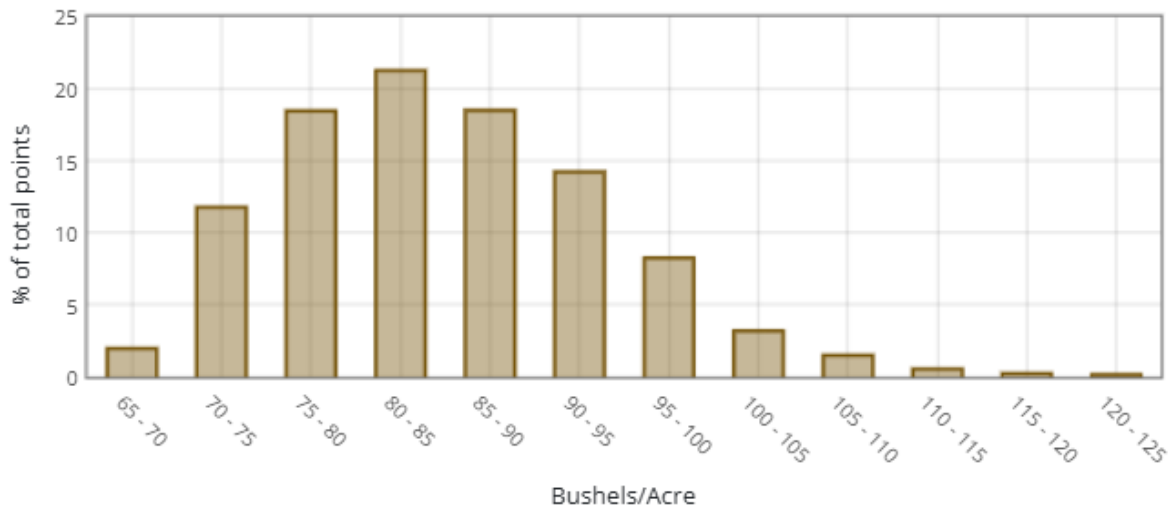
Product Application Rate/Acre: Soil Boost = 150 lbs.

Product Trial Report

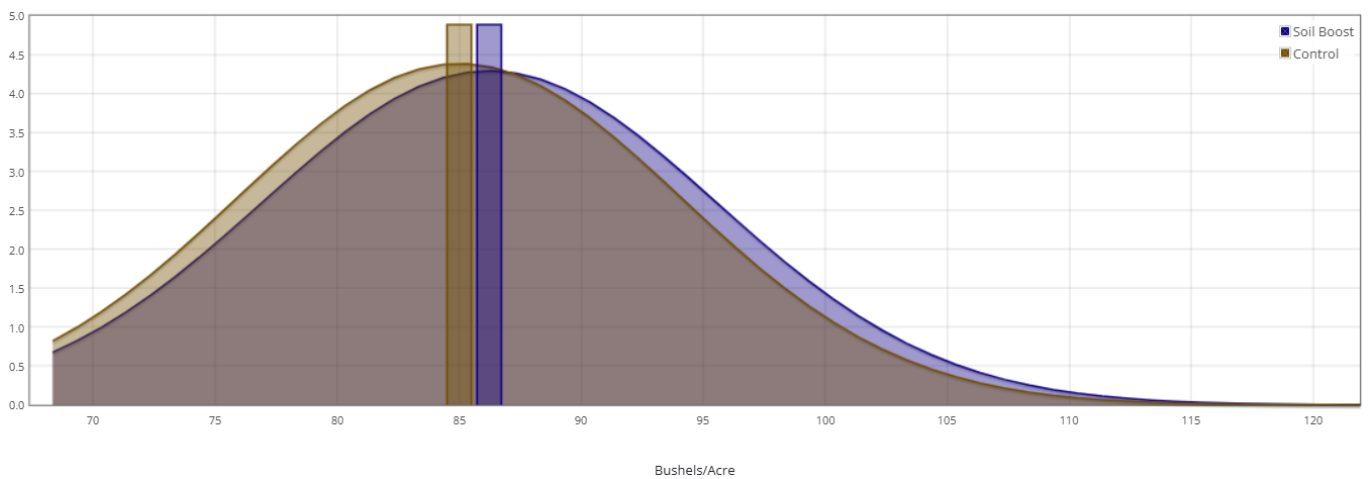
Soil Boost



Control



Normal Curve Distribution



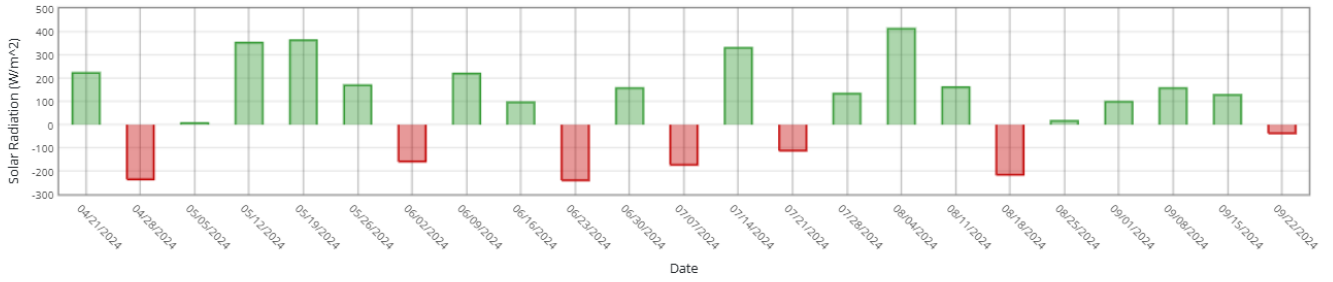
Product Trial Report

Trial Location Weather Data vs 5 Yr Avg

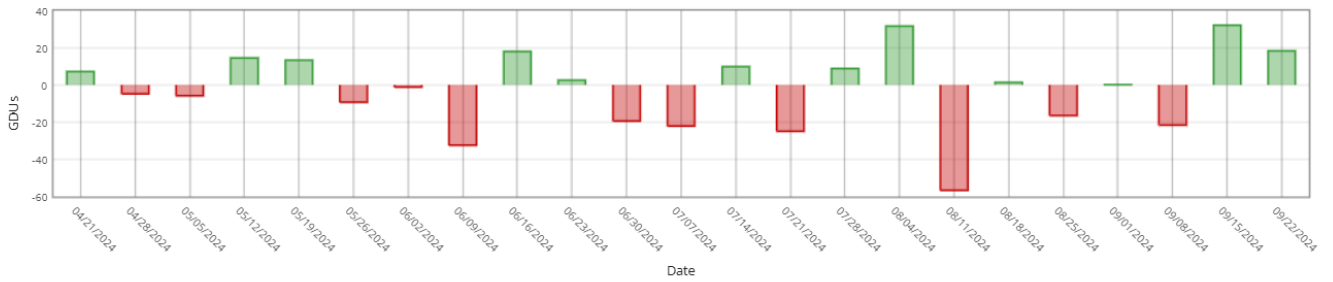
Historical Averages based on past years

Cumulative Week over Week

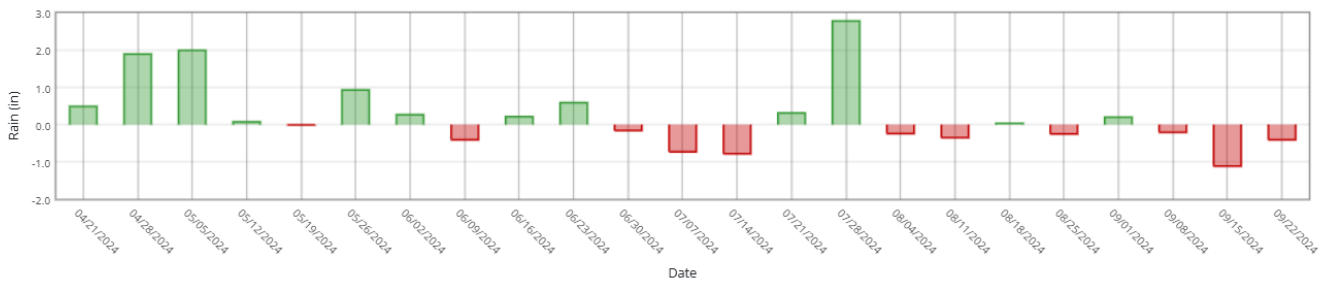
Sunlight



Heat (GDUs)



Rain



Product Trial Report

Additional References

Satellite Imagery - 07/17/2024 - Trial: SoilBiotics Soil Boost Trial - NDVI Green



This satellite imagery (NDVI Green) is used to measure plant health and chlorophyll production markers. In 2023, this location experienced significant drought pressure.

Realizing that the 2024 weather conditions are much improved compared to 2023, however it is worthy of reporting that the Trial location versus Control has made significant improvement for this measurement compared to 2023.

7/17/23 - Soil Boost location was -3.24% to Control
7/17/24 - Soil Boost location was -0.8% to Control

Satellite Imagery - 08/31/2024 - Trial: SoilBiotics Soil Boost Trial - NDVI Green



Despite being reported that the soybeans maturing quicker in the Soil Boost location which would align with this imagery result, this location also showed much improvement when compared to the 9/1/23 imagery from last year's corn crop.

9/1/23 - Soil Boost location measured -8.5% to Control
8/31/24 - Soil Boost location made significant improvement to -2.47% to Control the Control