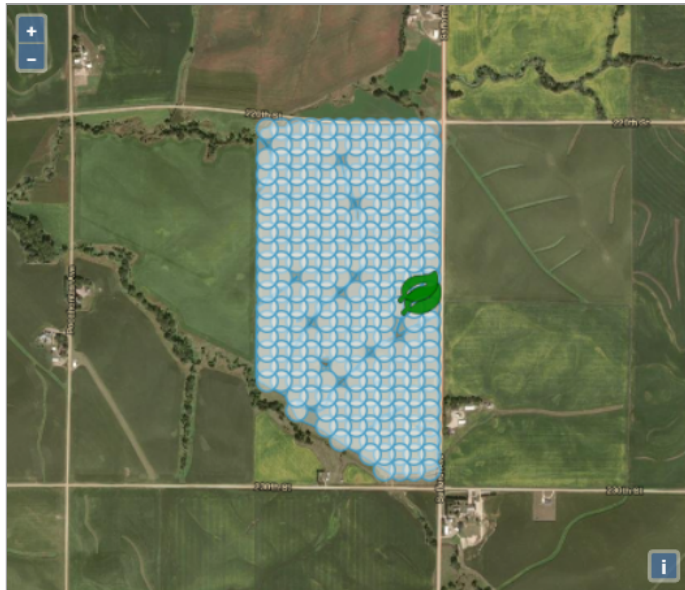


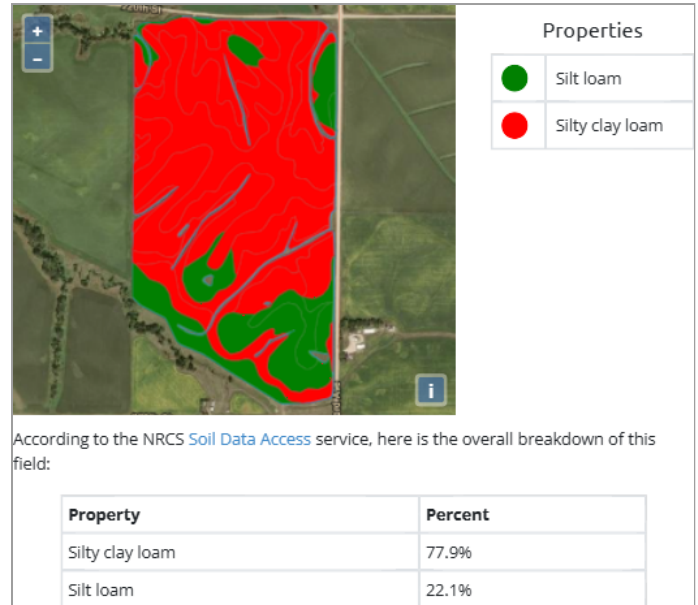
# Product Trial Report

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

### Field Map



### Soil Type



### Planting Map

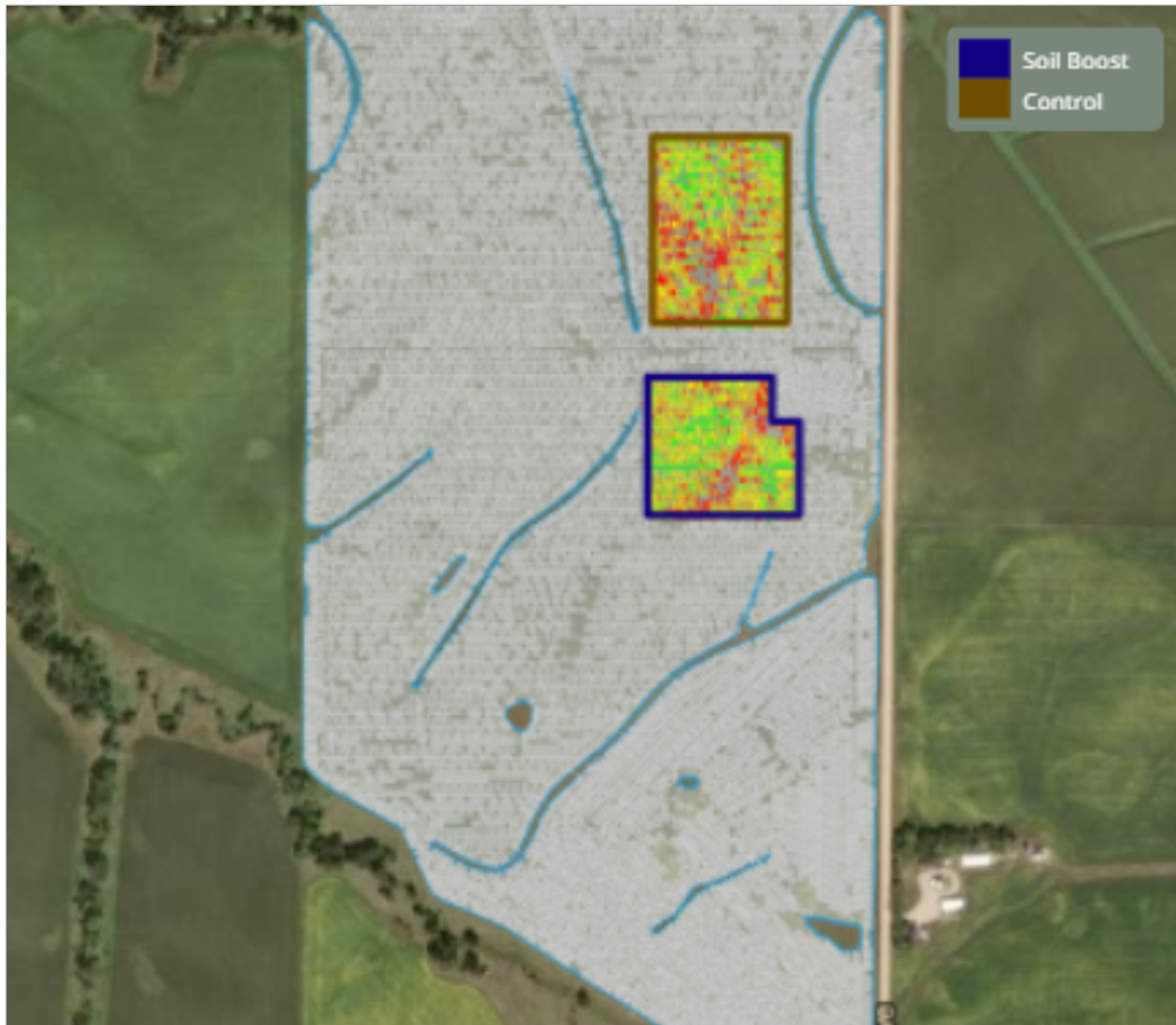
No Data Found

### Trial Zones



# Yield Results Data

High Level Yield Heat Map



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

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

Yield Values	
<span style="color: red;">●</span>	67.4 - 74
<span style="color: orange;">●</span>	74 - 80.8
<span style="color: yellow;">●</span>	80.8 - 86.4
<span style="color: lightgreen;">●</span>	86.4 - 94.8
<span style="color: green;">●</span>	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

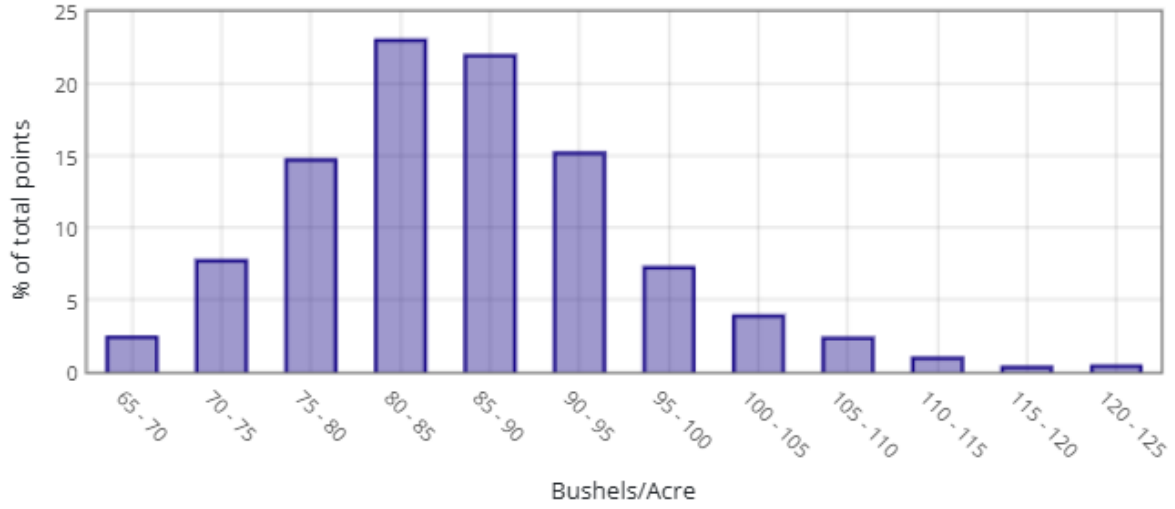
### **Application Date and Details:**

**Application Date:** 4/5/24

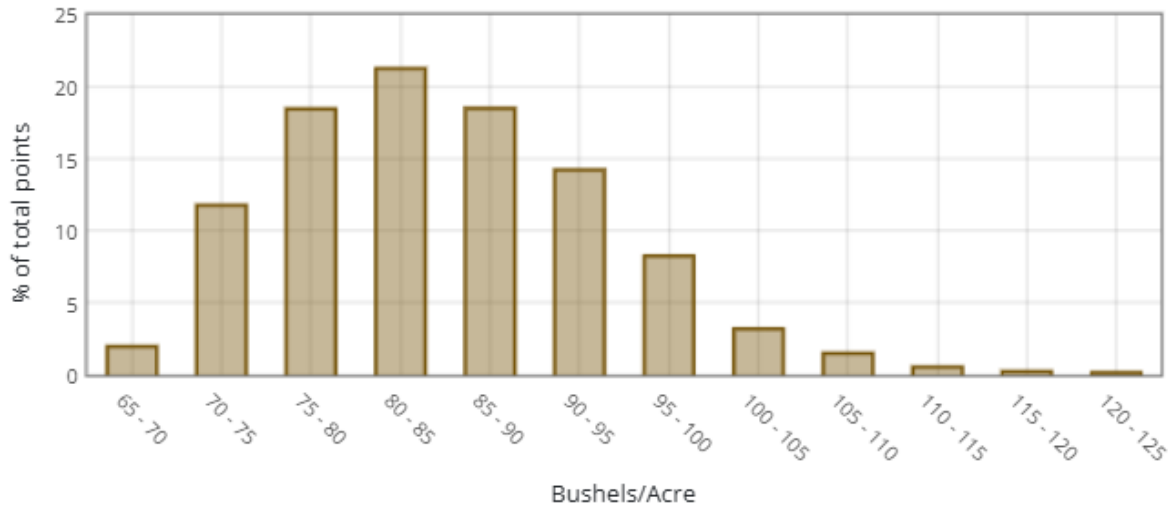
**Application Method:** Broadcast

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

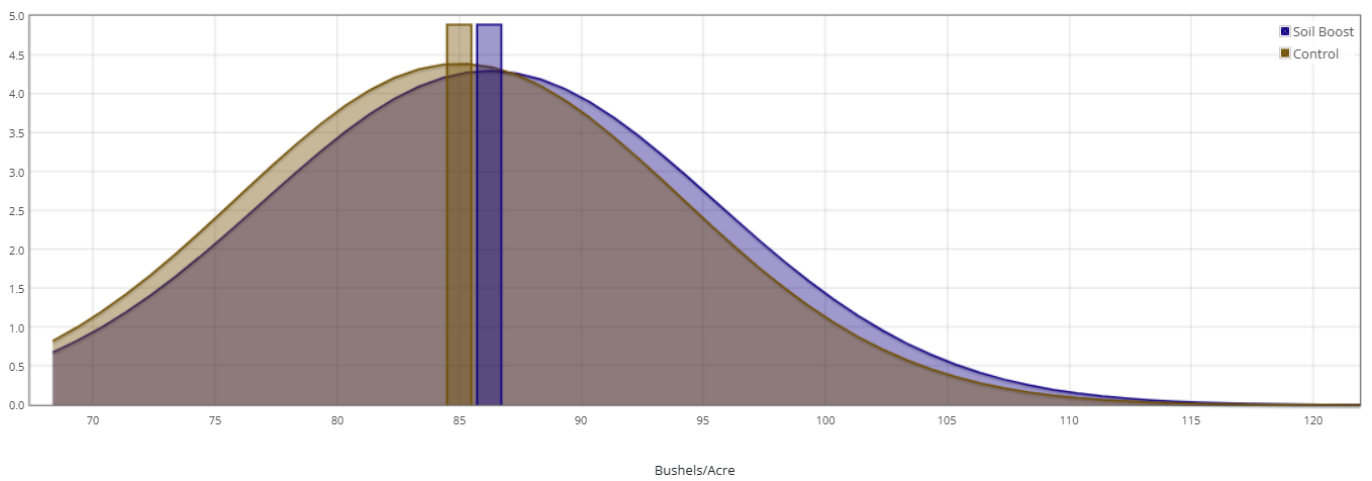
## Soil Boost



## Control



## Normal Curve Distribution





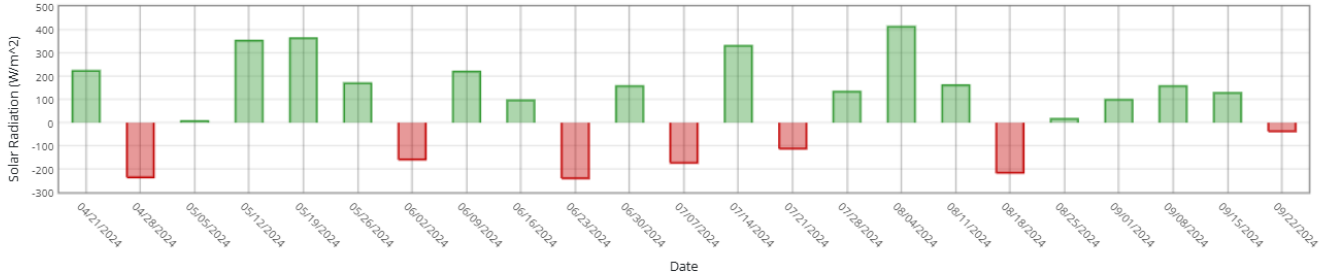
# Product Trial Report

## Trial Location Weather Data vs 5 Yr Avg

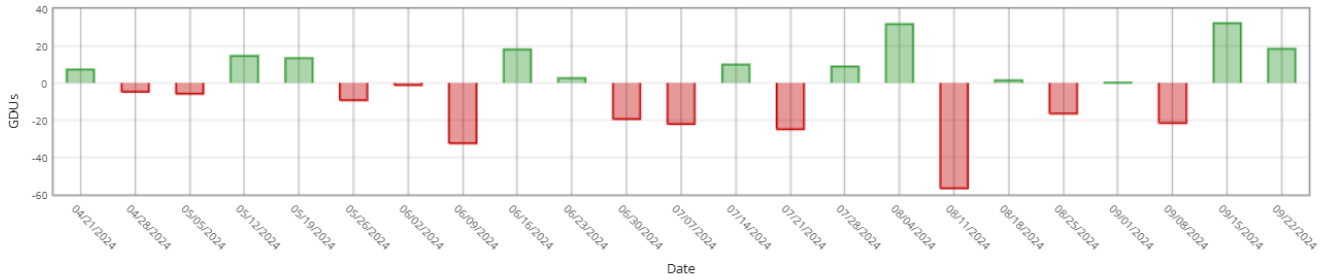
Historical Averages based on past  years

Cumulative  Week over Week

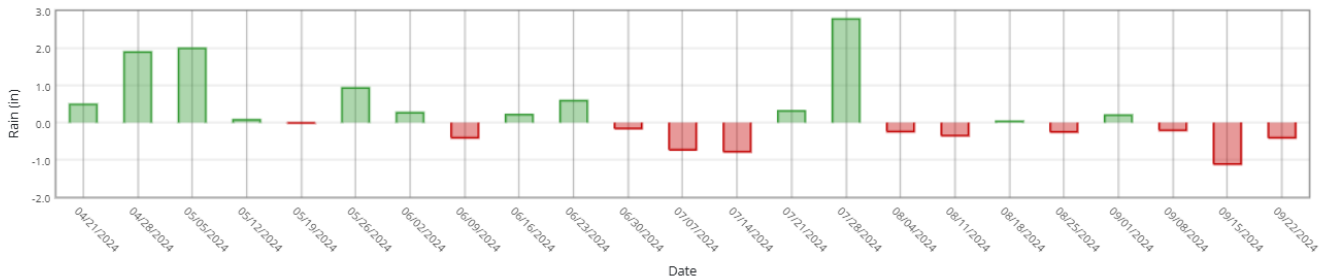
### Sunlight



### Heat (GDUs)



### Rain



## Additional References

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

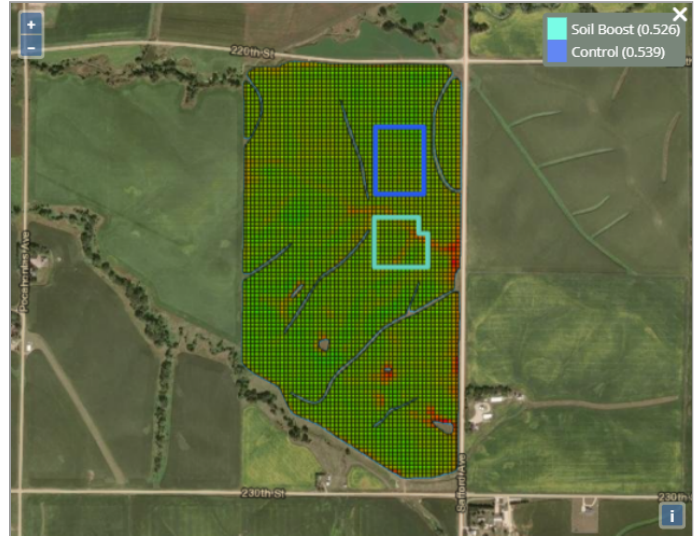


This satellite imagery (NDVI Green) is used to measure plant health and chlorophyll production markers. In 2023, this location experienced significant drought pressure.

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