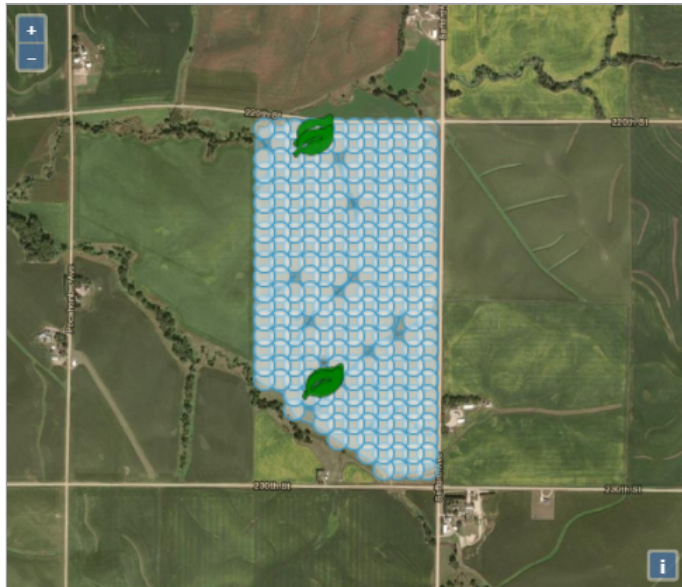


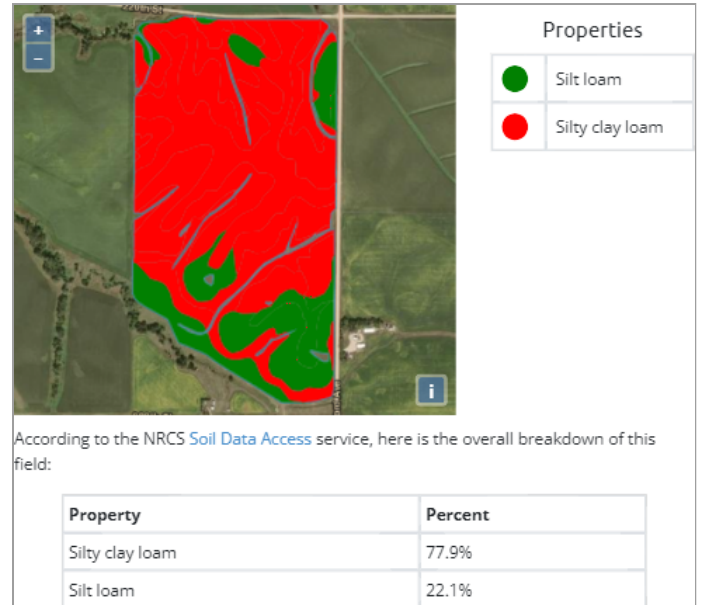
# Product Trial Report

GROWER DETAILS	FIELD DETAILS	PLANTING/HARVEST DETAILS	Total Acre Final Report
<b>Grower:</b>	<b>Total Acres:</b> 258.15	<b>Crop:</b> Corn	<b>Report Date:</b> 12/26/2023
<b>City &amp; State:</b> Correctionville, IA	<b>Soil Type:</b> Please see Soil Type Map	<b>Plant Date:</b> 05/02/2023	<b>Harvest Year:</b> 2023
<b>Zip Code:</b> 51016	<b>Irrigation:</b> None	<b>Row Spacing:</b> 30"	<b>Crop:</b> Corn
	<b>Fall Tillage:</b> Vertical/Min Till	<b>Planting Depth:</b> 2.25	<b>Trial Name:</b> Soil Boost (3-year Project)
	<b>Spring Tillage:</b> No Till	<b>Harvest Date:</b> 10/25/2023	<b>Trial Type:</b> Preplant
		<b>Hybrid:</b> 1413AM	
		<b>Seed Company:</b> Pioneer	
		<b>Population:</b> 32000	

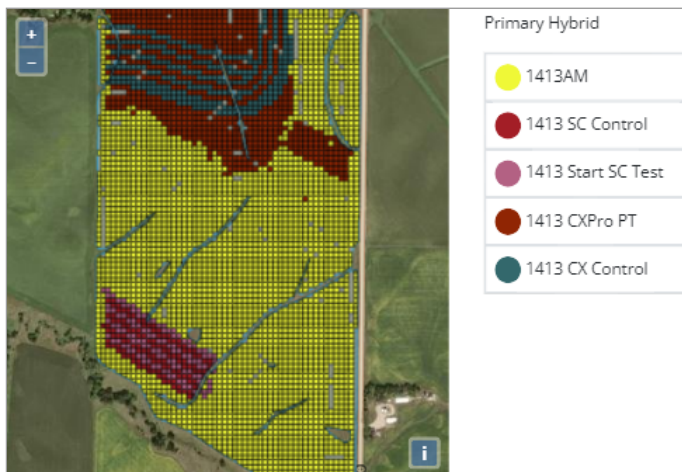
Field Map



Soil Type



Planting Map



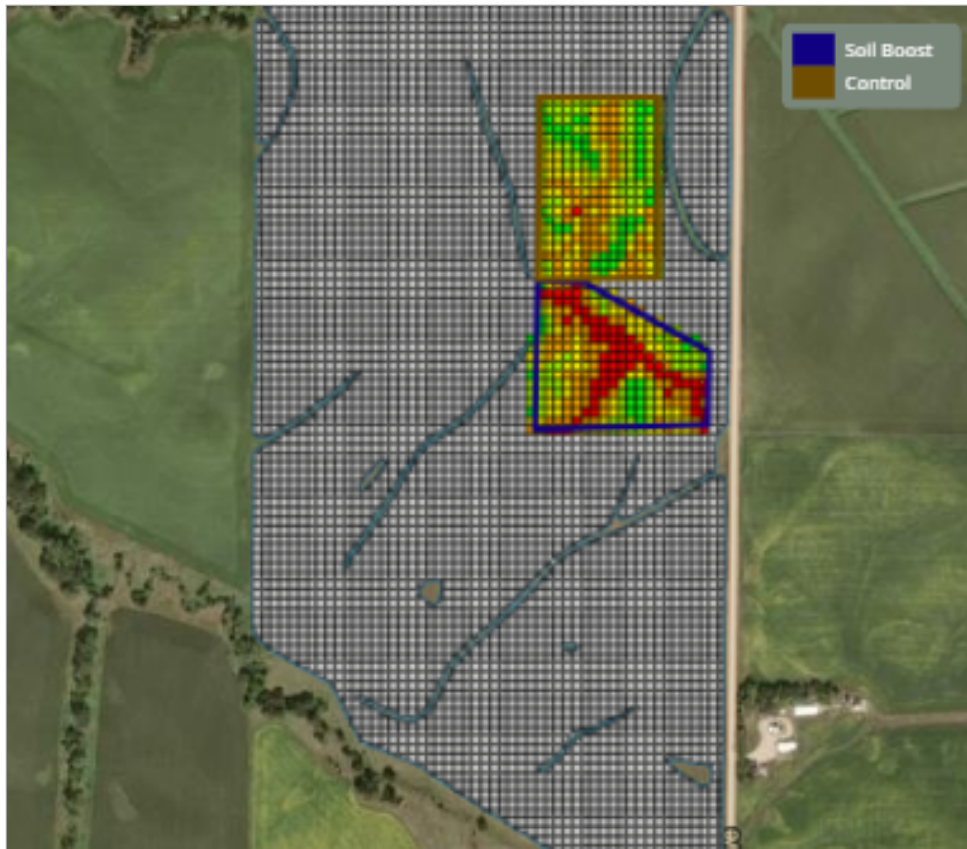
Trial Zones



# Product Trial Report

## Yield Results Data

High Level Yield Heat Map



Yield Summary BPA	
Location	Yield
Soil Boost	145.17
Control	184.07
<b>Yield Response</b>	<b>-38.9</b>

Yield Values	
●	26.7 - 104.3
●	106.8 - 151.5
●	151.5 - 179.1
●	179.2 - 211.9
●	213.1 - 323.7

# Product Trial Report

**Product Trial Comments:** This trial was strategically placed in location with poor yield performance when compared to the control. Please view the APH table at the bottom of this report to see the significant disparity in yield performance. This trial yielded -38.90 bu./acre less than the control. This location experienced significant drought pressure which led to a projected 30% yield loss.

**Penetrometer Reading Comments:**

Both the Trial and Control were both 300+ psi in the top 1/4". Hopefully, there will be a difference next year. I am trialing worst case scenario.

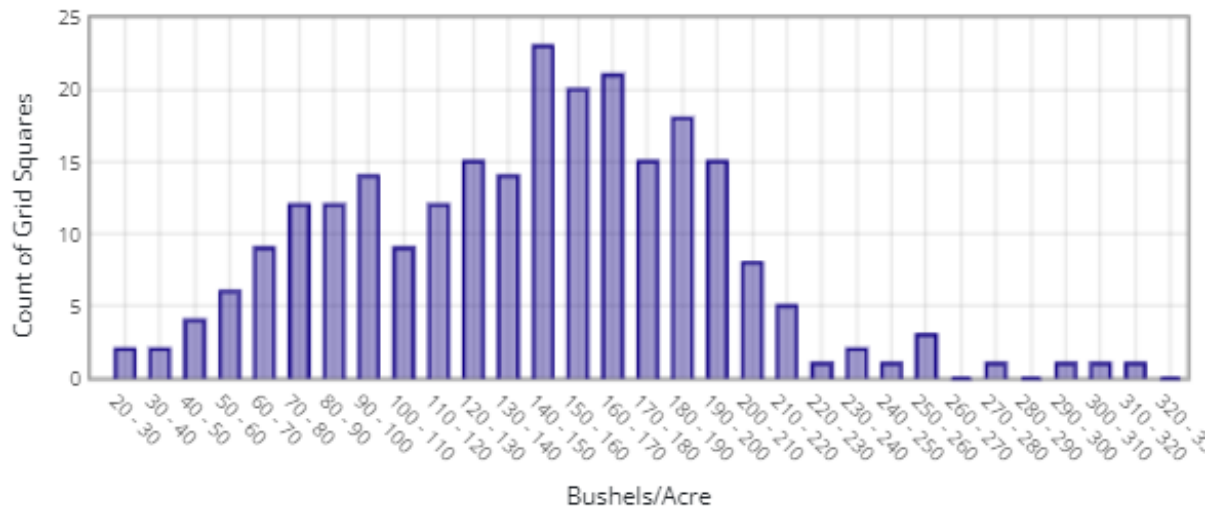
**Application Date and Details:**

Application Date - 4/25/23

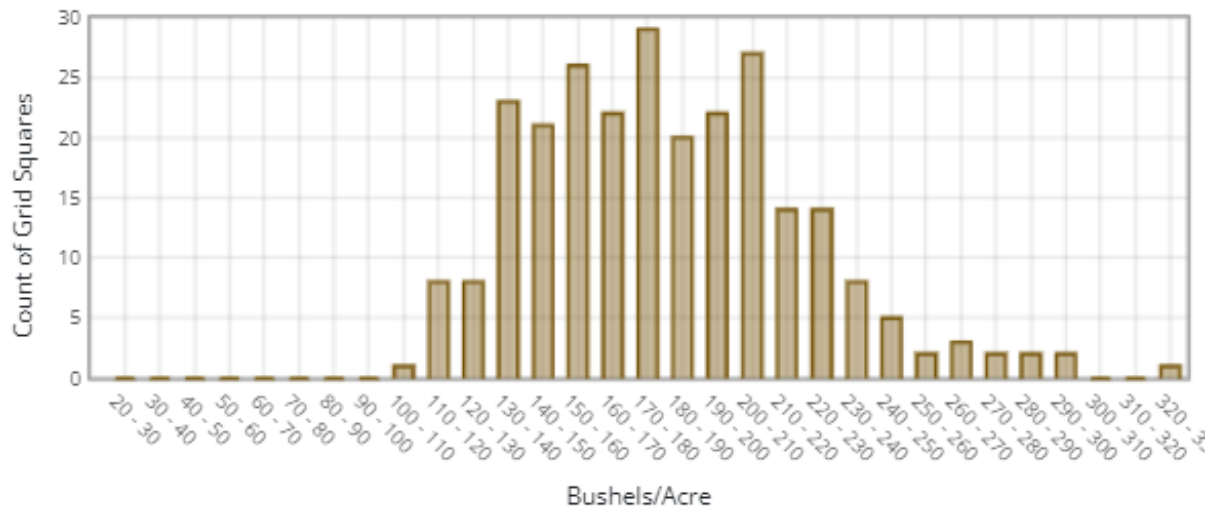
Soil Boost was applied at 250 lbs./acre rate in Year 1 of this 3 year project

# Product Trial Report

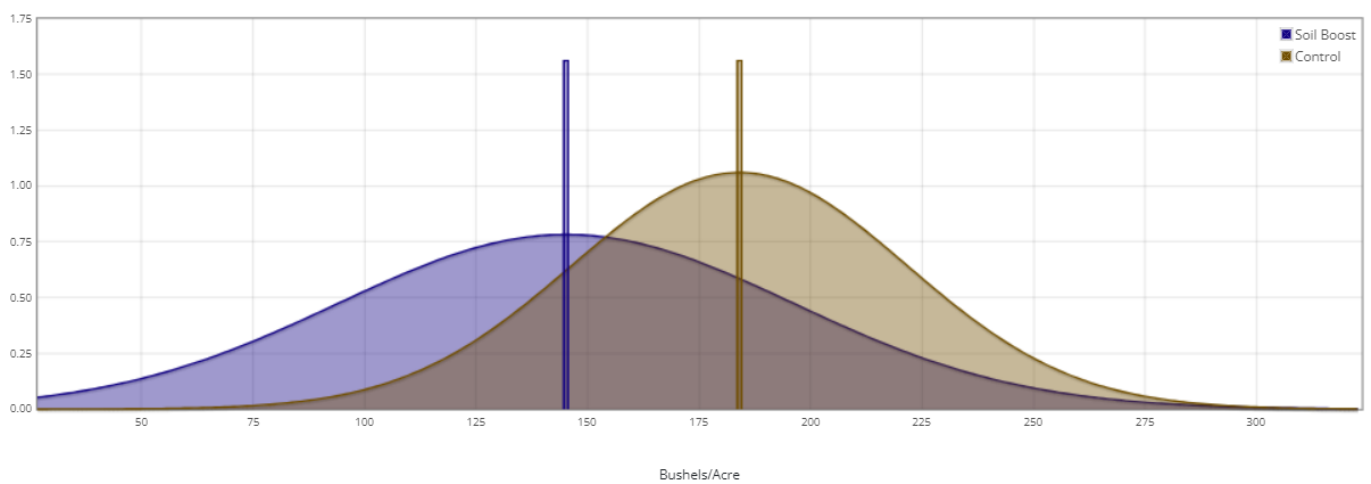
## Soil Boost



## Control



## Normal Curve Distribution



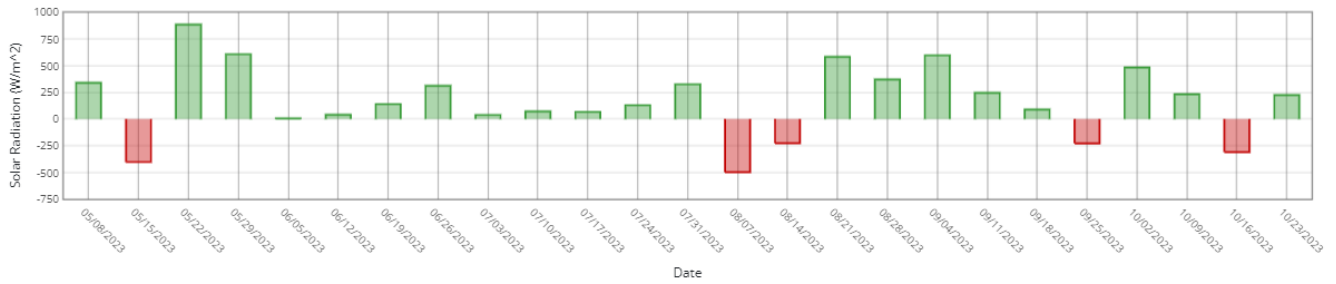
# Product Trial Report

## Trial Location Weather Data vs 5 Yr Avg

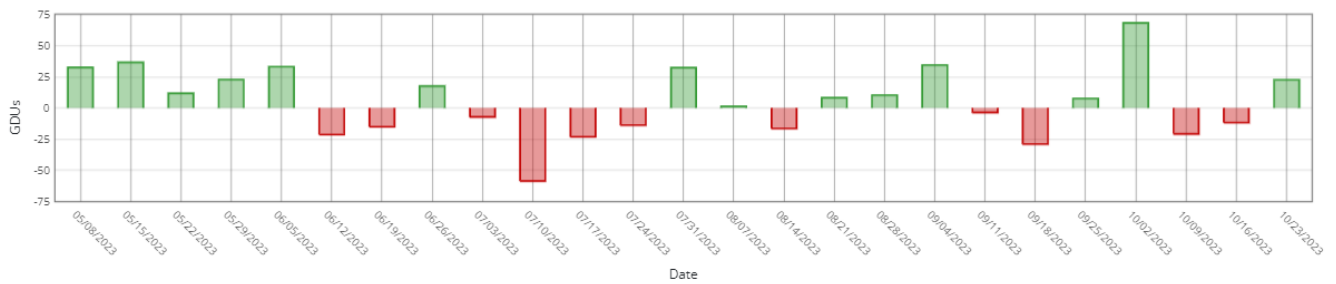
Historical Averages based on past  years

Cumulative ☐ Week over Week ☒

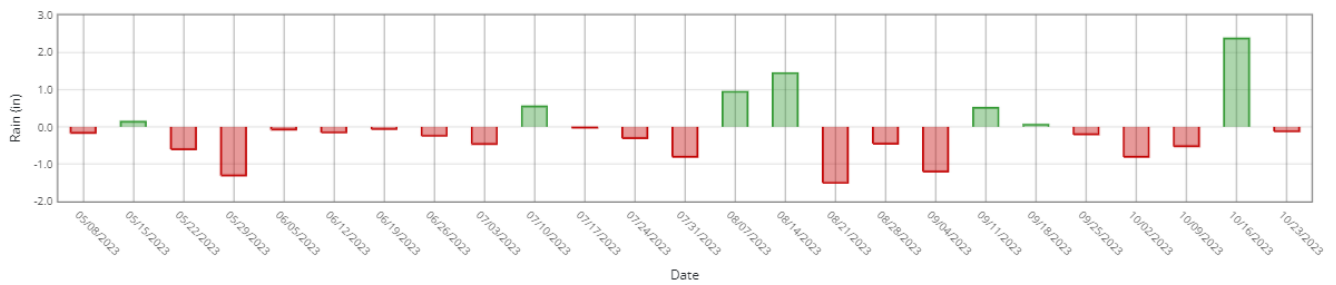
### Sunlight



### Heat (GDUs)



### Rain



## Product Trial Report

### Additional References

#### Compare APH By Zone



Control Left, Soil Boost Right

Zone	Avg Yield		
	2020	2021	Current Year
Trial: SoilBiotics Soil Boost Trial - Soil Boost	59.28	226.39	145.17
Trial: SoilBiotics Soil Boost Trial - Control	69.63	259.26	184.07