

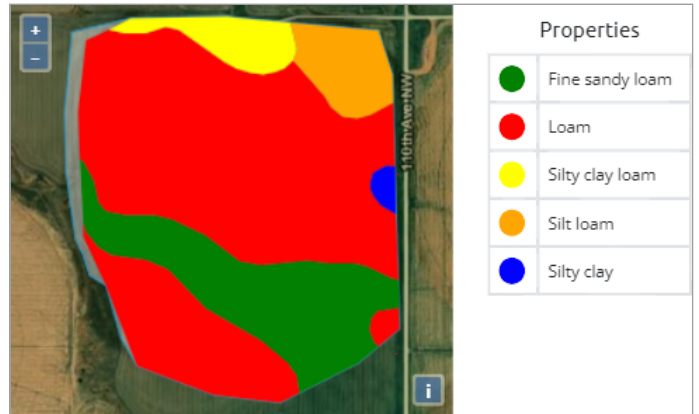
Product Trial Report

GROWER DETAILS	FIELD DETAILS	PLANTING/HARVEST DETAILS	Total Acre Final Report
Grower:	Total Acres: 179.08	Crop: Soybean	Report Date: 12/26/2023
City & State: Tioga, ND	Soil Type: Please see Soil Type Map	Plant Date: 05/30/2023	Harvest Year: 2023
Zip Code: 58852	Tile: No Tile	Row Spacing: 7"	Crop: Soybean
	Irrigation: Pivot	Planting Depth: 1.50	Trial Name: Soil Boost 3 Year Activity
	Spring Tillage: Vertical/Min Till	Harvest Date: 10/21/2023	Trial Type: Preplant
		Variety: ND21008GT20	
		Seed Company: Generic	

Field Map



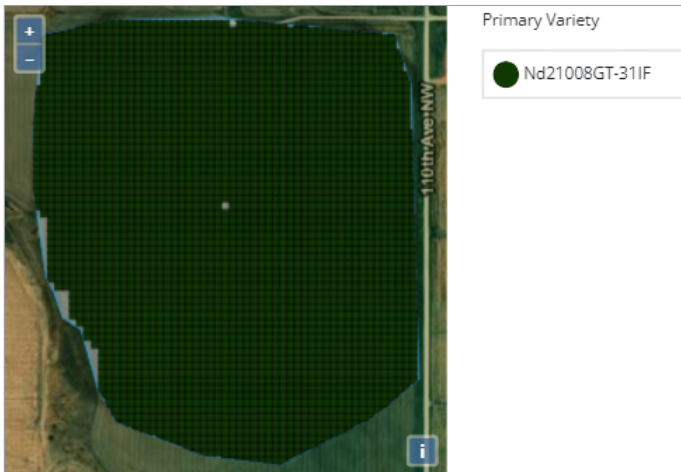
Soil Type



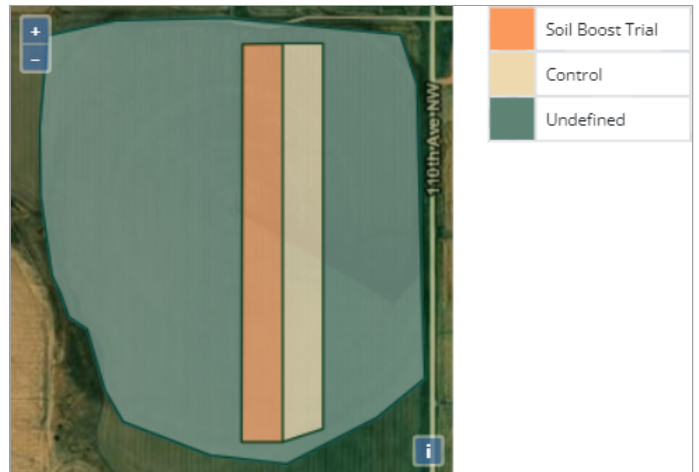
According to the NRCS [Soil Data Access](#) service, here is the overall breakdown of this field:

Property	Percent
Loam	66.0%
Fine sandy loam	21.5%
Silt loam	6.5%
Silty clay loam	5.2%
Silty clay	0.8%

Planting Map



Trial Zones



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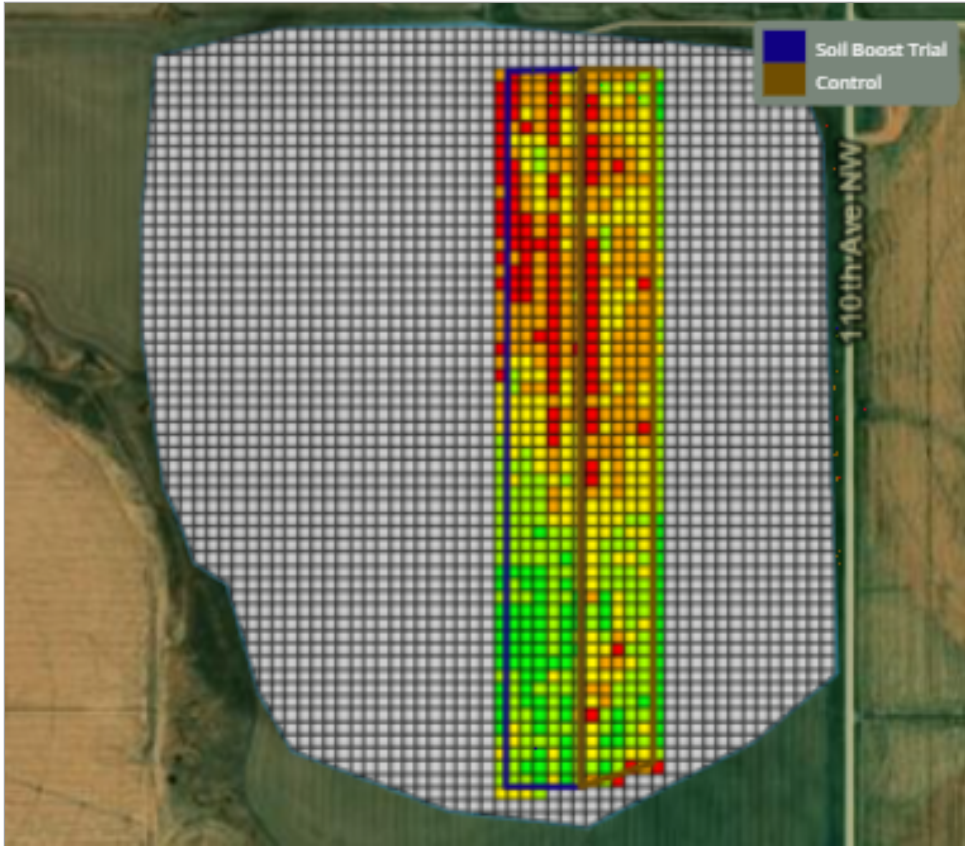
Tissue Results Data

Date	GDUs	Water	Tissue Site	Nitrogen	Phosphorus	Potassium	Magnesium	Calcium	Sulfur	Zinc	Manganese	Copper	Iron	Boron	Aluminum	Molybdenum	Sodium
06/26/2023	500	-	Soilboost	5.42 %	0.41 %	3.1 %	0.63 %	1.44 %	0.36 %	42.56 ppm	172.12 ppm	12.02 ppm	263 ppm	44.49 ppm		2.27 ppm	0.24 ppm
			Control	5.08 %	0.43 %	2.87 %	0.78 %	1.42 %	0.37 %	40.68 ppm	169.86 ppm	16.24 ppm	292 ppm	53.26 ppm		1.28 ppm	0.23 ppm
07/06/2023	678	0.8 in	Soilboost	5.15 %	0.41 %	2.61 %	0.52 %	1.22 %	0.35 %	38.48 ppm	164.48 ppm	12.52 ppm	219.62 ppm	44.08 ppm		1.63 ppm	0.37 ppm
			Control	5.03 %	0.38 %	2.56 %	0.57 %	1.13 %	0.31 %	34.65 ppm	120.11 ppm	11.34 ppm	199.83 ppm	48.15 ppm		1.26 ppm	0.47 ppm

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Yield Results Data

High Level Yield Heat Map



Yield Summary BPA	
<i>Location</i>	<i>Yield</i>
Soil Boost Trial	12.77
Control	12.32
Yield Response	0.45

Yield Values	
●	4.9 - 9.3
●	9.3 - 11.2
●	11.2 - 13.7
●	13.7 - 17.2
●	17.2 - 21.3

Product Trial Report

Product Trial Comments: This trial was impacted by a severe hail event. The entire field averaged only 12 bushels/acre. TJ Halverson commented on how Soil Boost is making a difference in reducing soil compaction

Compaction Readings

6/26 Reading

Trial - 200 psi at 2 inches. 300 psi at 24 inches

Control - 200 psi at 2 inches. 300 psi at 24 inches

7/6 Reading

Trial - 200 psi at 10 inches. Buried probe and it never went over 250 psi

Control - 200 psi at 12 inches. 300 psi at 28 inches

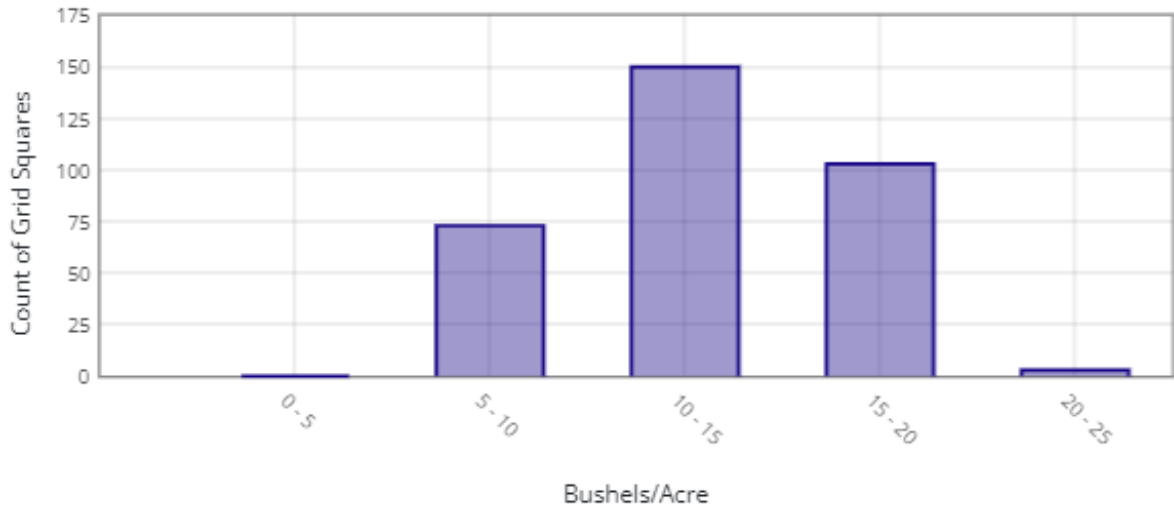
Application Date and Details:

Application Date - 5/28/23

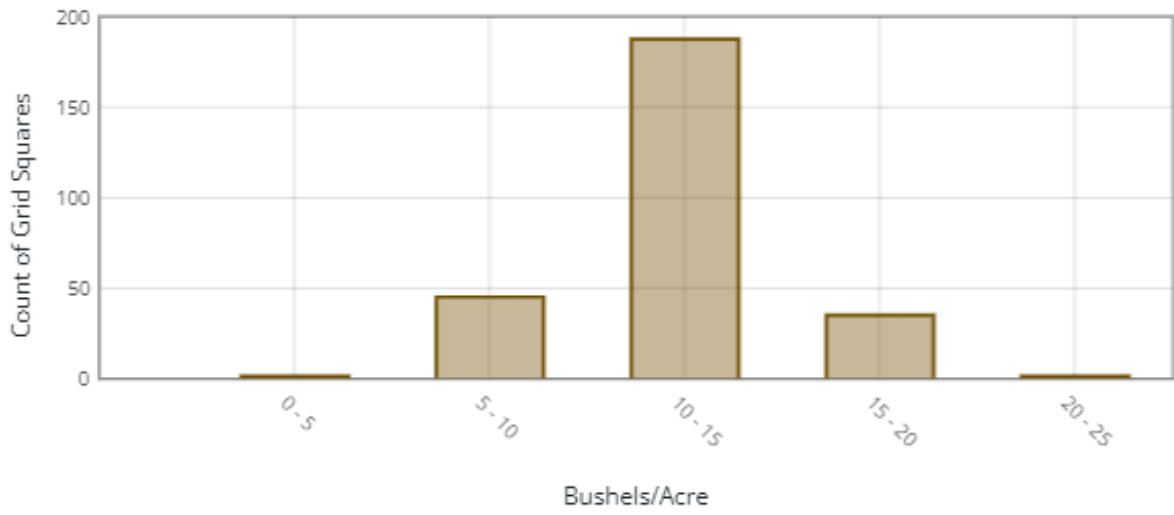
Soil Boost was applied at 250 lb/acre rate

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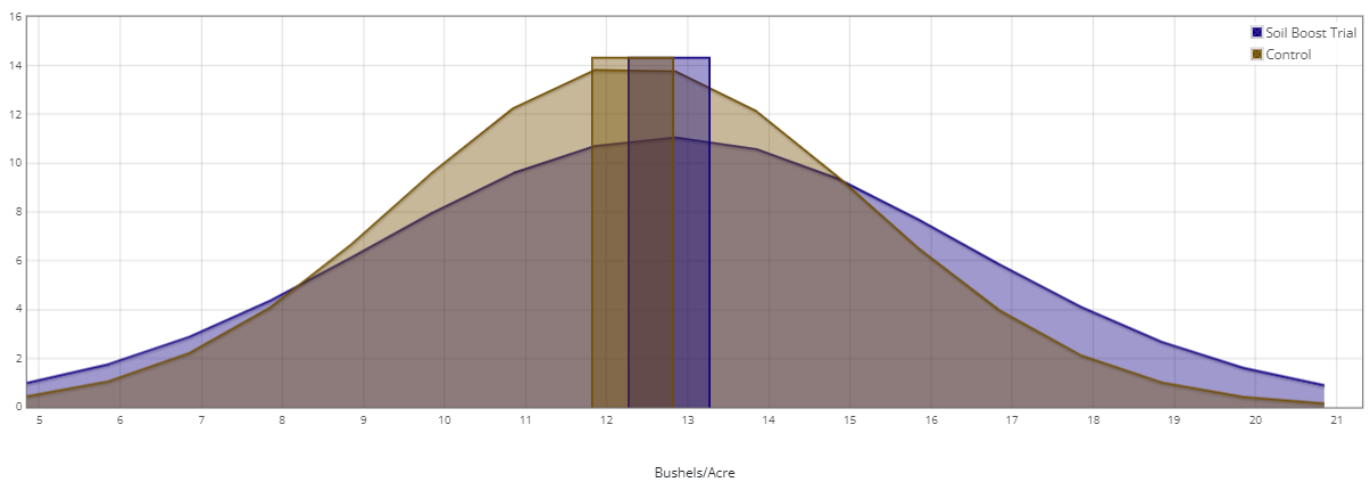
Soil Boost Trial



Control



Normal Curve Distribution



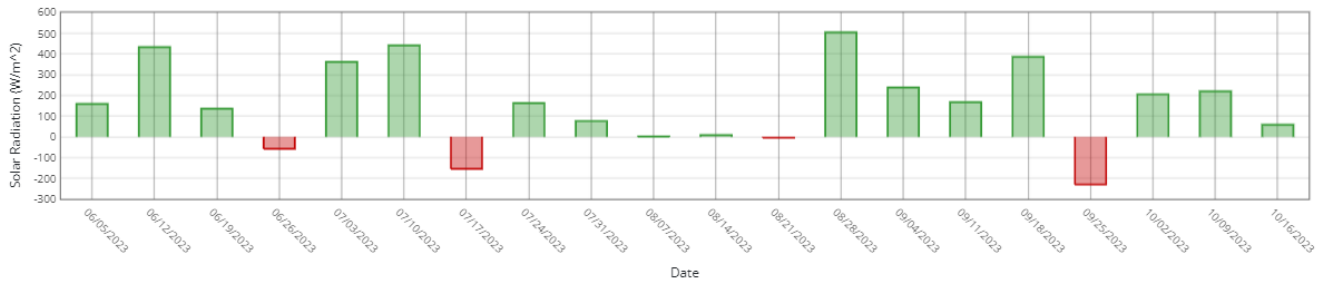
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Trial Location Weather Data vs 5 Yr Avg

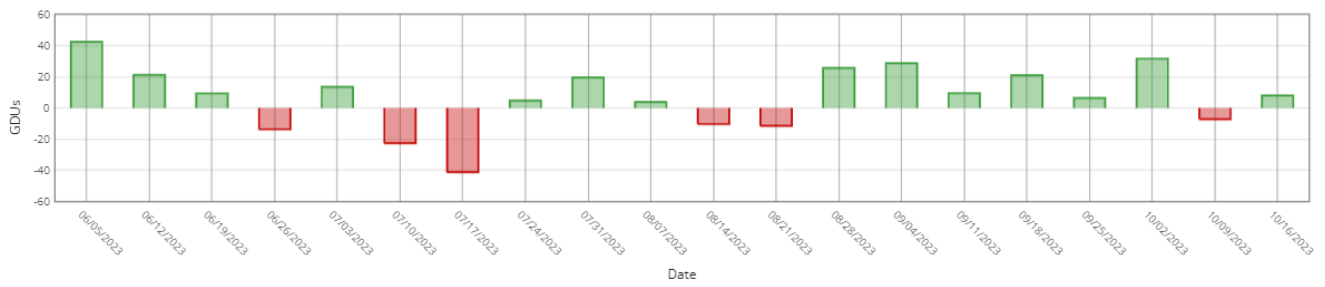
Historical Averages based on past years

Cumulative Week over Week

Sunlight



Heat (GDUs)



Rain

