Product Trial Report

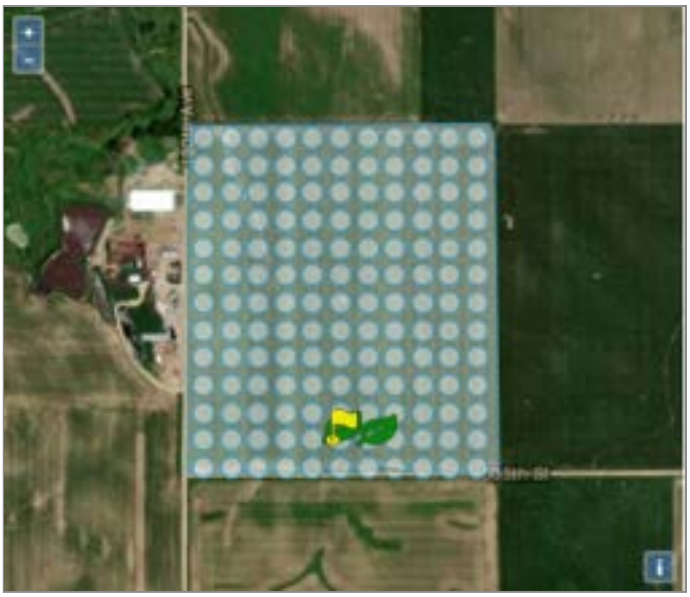
GROWER DETAILS
Grower:
City & State: CRESTON, NE
Zip Code: 68631

FIELD DETAILS
Total Acres: 141.70
Soil Type: Please see Soil Type Map
Tile: Spot Tile
Irrigation: Pivot
Fall Tillage: No Till
Spring Tillage: Vertical/Min Till

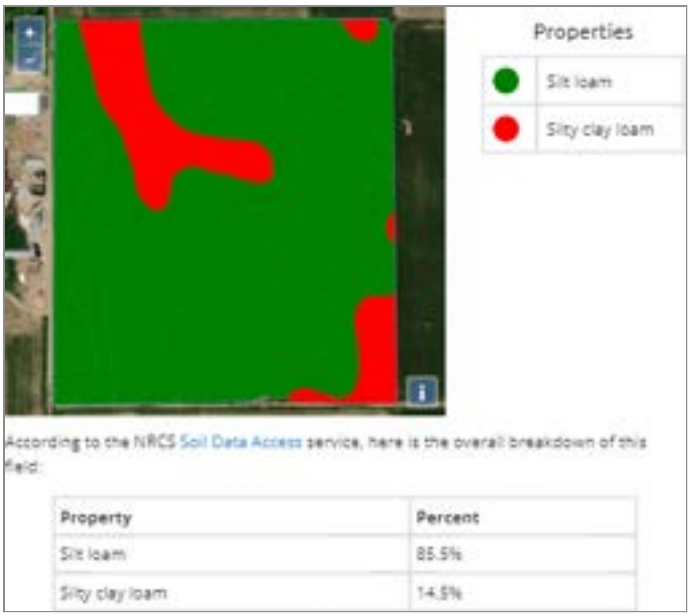
PLANTING/HARVEST DETAILS
Crop: Corn
Plant Date: 05/10/2023
Row Spacing: 30"
Planting Depth: 2.00
Harvest Date: 10/27/2023
Hybrid: 16z26q
Seed Company: Brevant Seeds
Population: 35400

Report Date: 01/05/2024
Harvest Year: 2023
Crop: Corn
Trial Name: Soil Boost (3-year Project)
Trial Type: Preplant

Field Map



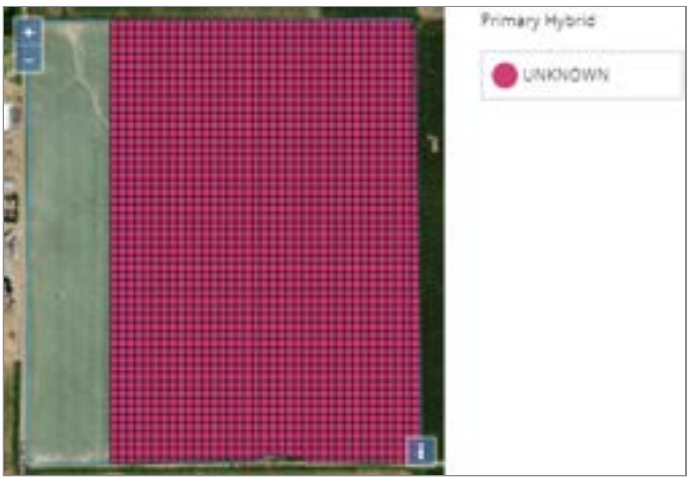
Soil Type



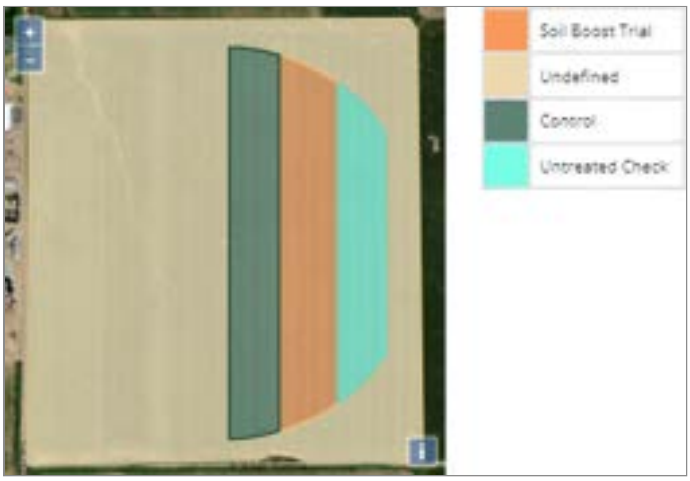
According to the NRCS Soil Data Access service, here is the overall breakdown of this field:

Property	Percent
Silt loam	85.5%
Silty clay loam	14.5%

Planting Map



Trial Zones



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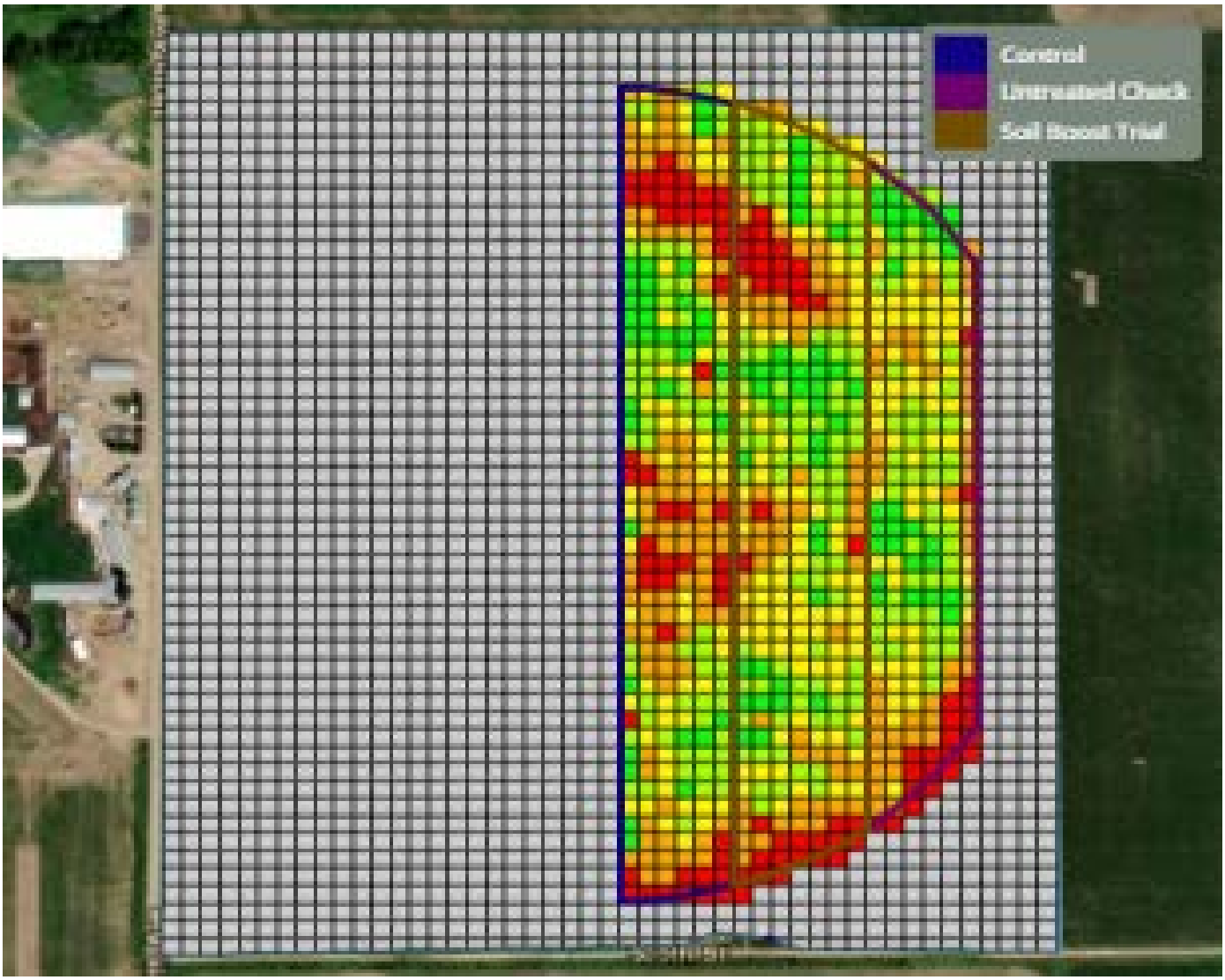
Yield Results Data

High Level Yield Heat Map



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

Yield Summary BPA	
Location	*Yield*
Control	357.03
Soil Boost Trial	362.44
Yield Response	5.41

Yield Summary BPA	
Location	*Yield*
Untreated Check	362.86
Soil Boost Trial	362.44
Yield Response	-0.42

Yield Values	
○	No data found
●	267.6 - 334.7
●	335 - 358.5
●	358.5 - 371.1
●	371.1 - 381.4
●	381.5 - 394.8

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Product Trial Comments: This trial had 2 different control locations. SoilBoost out yielded the Control by 5.41 bu./acre and the Untreated Check was a -0.42 bu./acre yield response. To tighten up yield data points, -1/+1 Standard Deviation measurement method was used for this study. Please review the pictures below to review the significant improvements in soil compaction reduction from the penetrometer readings.

Application Date and Details: Application Date - 4/27/2023 Soil Boost was applied at 125 lbs/acre rate

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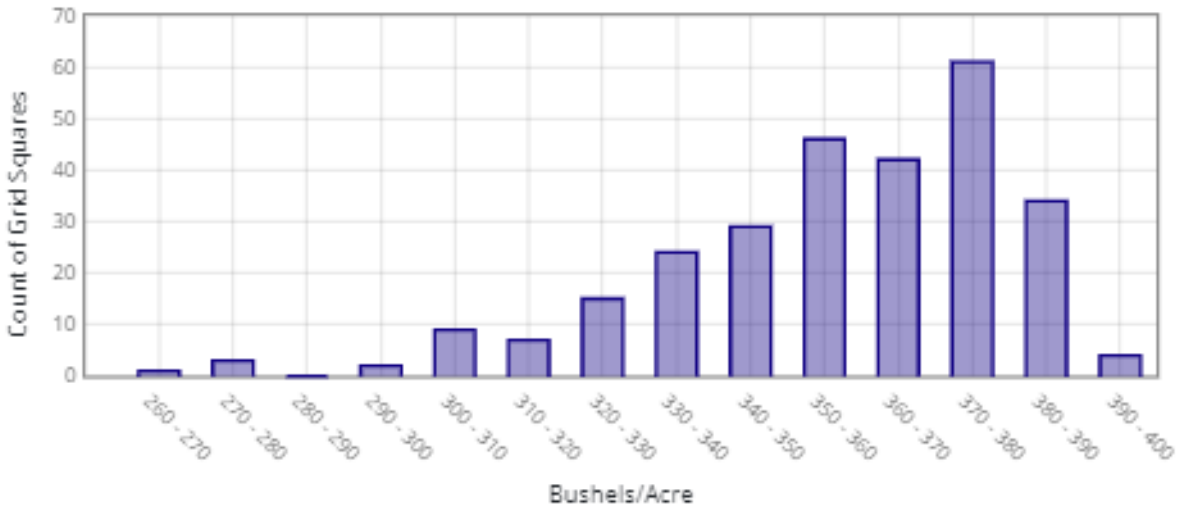
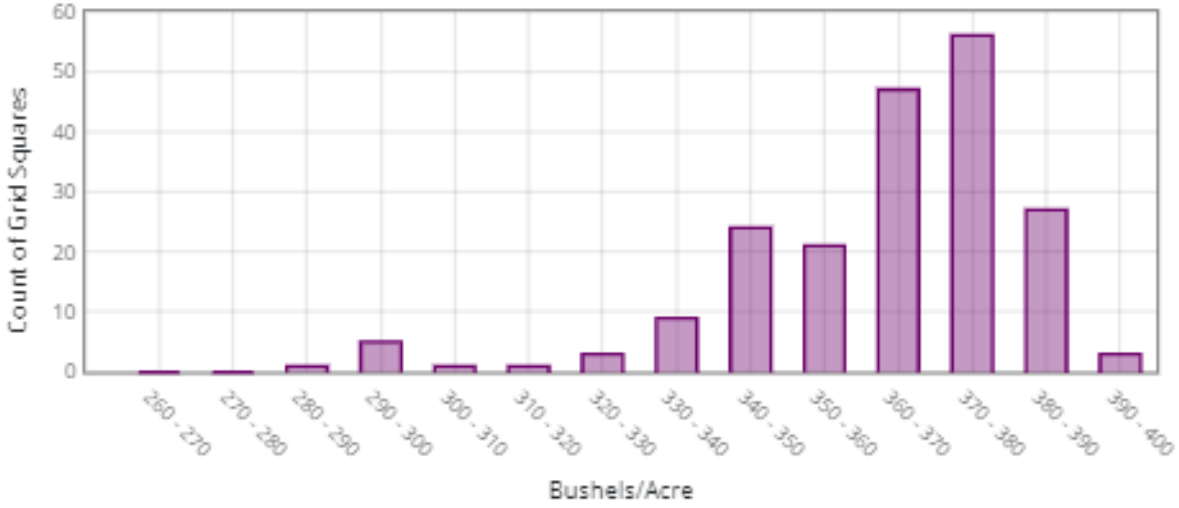
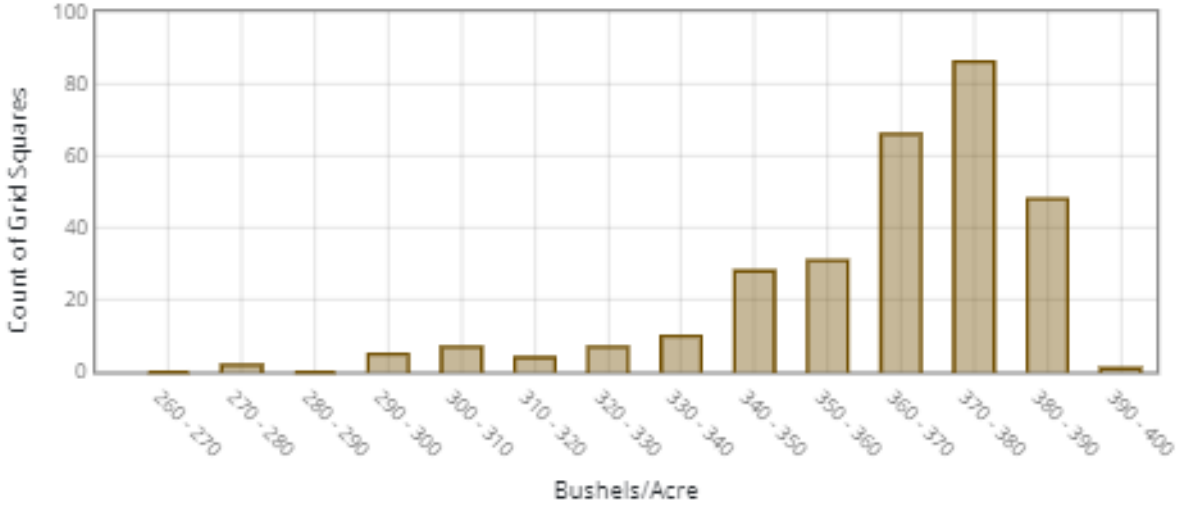
Control



Untreated Check



Soil Boost Trial



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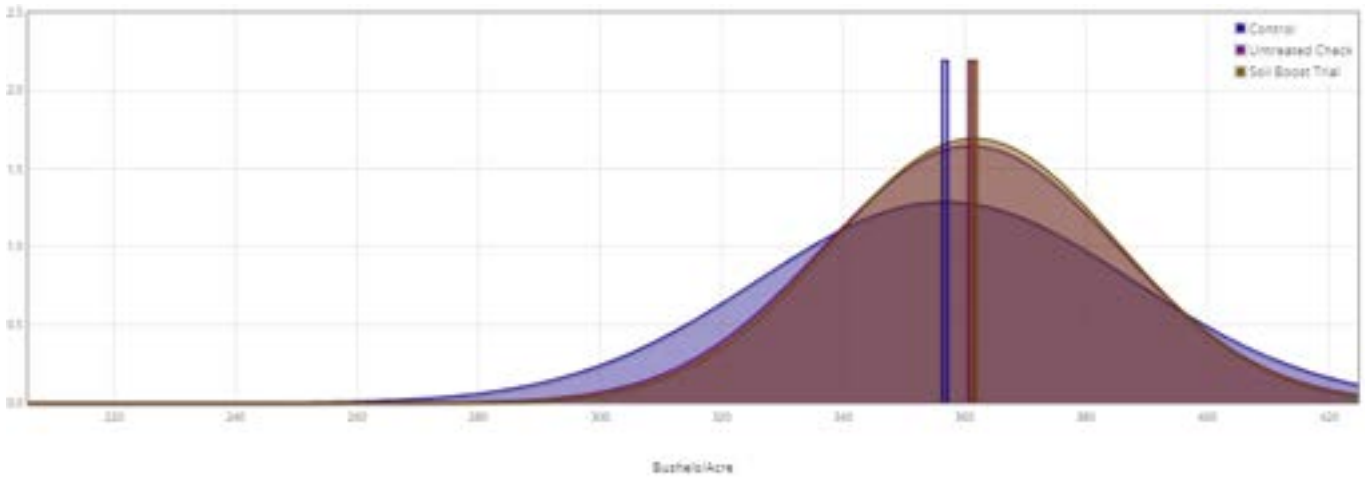
Normal Curve Distribution



Trial Location Weather Data vs 5 Yr Avg

Additional References

Non Treated Corn Pen. reading 6.5 Average

Treated Corn Pen. reading 8.5 Inches Average

Treated on Left and Untreated on Right. No difference in root development. Ground is extremely hard on both digs. Very hard to get roots to come out in a good clump because of hardness of soil.

Non Treated End of Year with moisture in the ground. 12.5" depth to 200 lbs resistance

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Treated End of Year with Moisture in the ground. 18.25" depth to 200 lbs resistance