Product Trial Report

GROWER DETAILS
Grower:
City & State: Upper Sandusky, OH
Zip Code: 43351

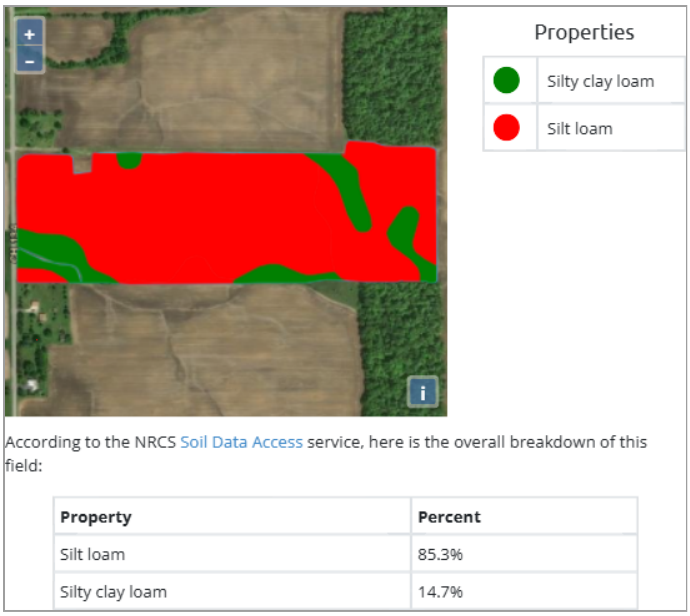
FIELD DETAILS
Total Acres: 47.92
Soil Type: Please see Soil Type Map
Irrigation: None
Fall Tillage: No Till
Spring Tillage: Vertical/Min Till

PLANTING/HARVEST DETAILS
Crop: Soybean
Plant Date: 06/11/2024
Row Spacing: 15"
Planting Depth: 1.50
Harvest Date: 10/28/2024
Variety: CP2920E, CP3120E
Seed Company: CROPLAN
Population: 176000

Total Acre Final Report
Report Date: 11/11/2024
Harvest Year: 2024
Crop: Soybean
Trial Name: DgradeR Corn Residue Breakdown
Trial Type: Post 2023 Corn Harvest

Field Map

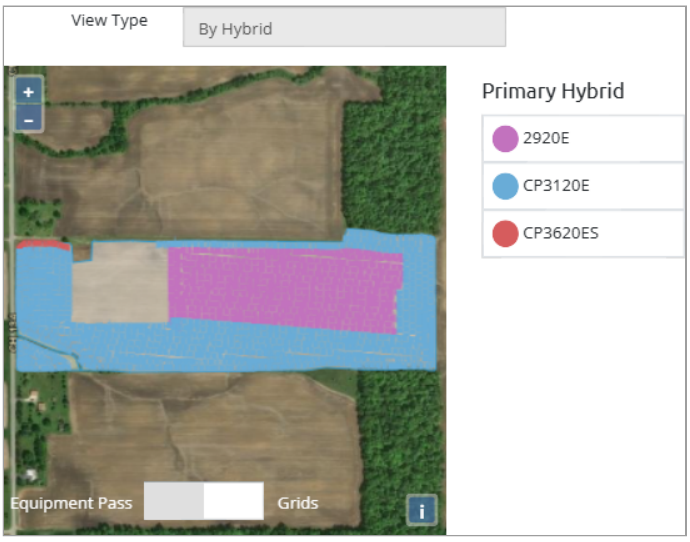
Soil Type



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

Property	Percent
Silt loam	85.3%
Silty clay loam	14.7%

Planting Map



Trial Zones

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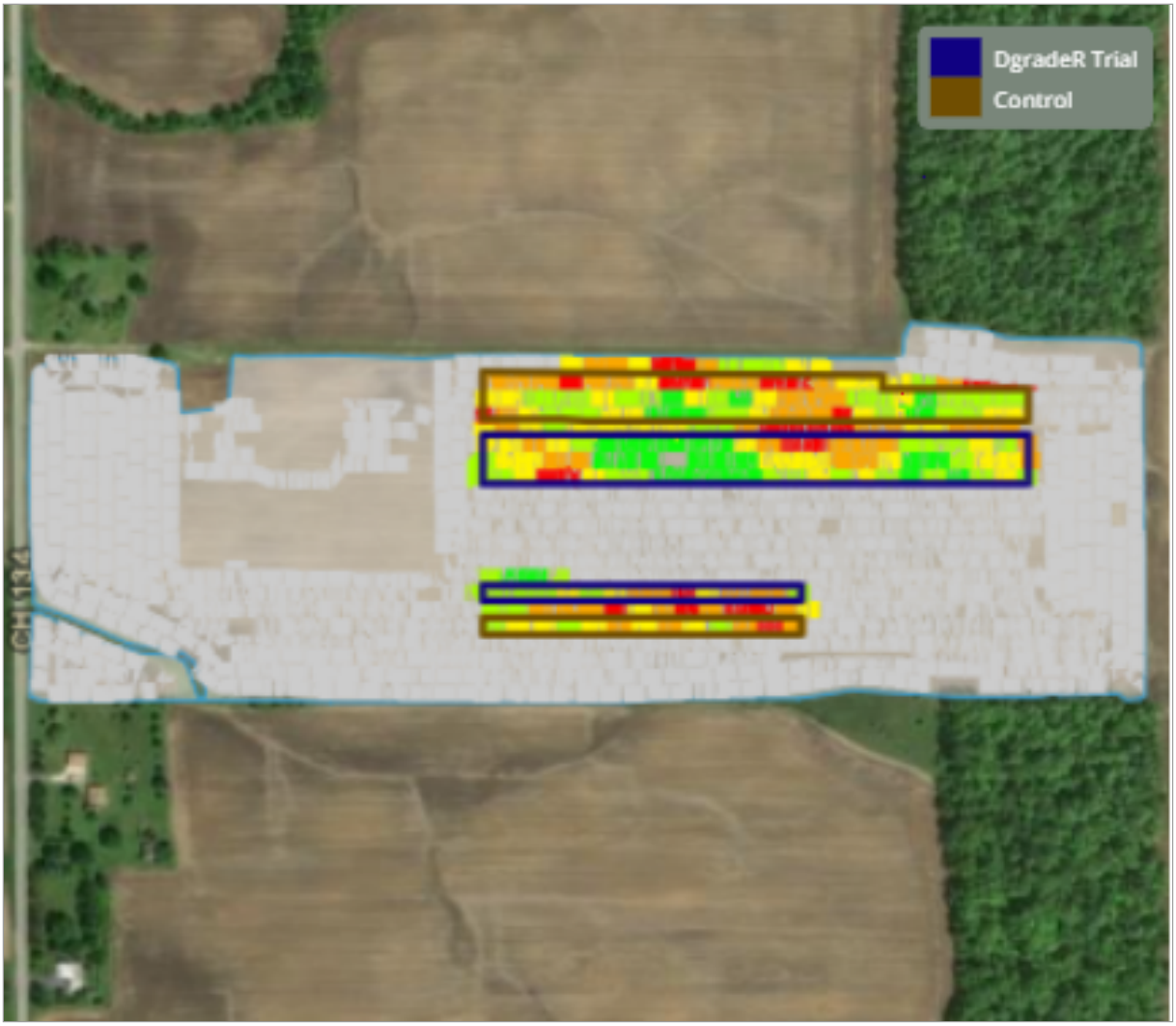
Yield Results Data

High Level Yield Heat Map



This data was filtered based on -1.5 / +1.5 St Dev

Yield Summary BPA	
Location	*Yield*
DgradeR Trial	52.65
Control	50.06
Yield Response	2.59

Yield Values	
	32 - 41.5
	41.6 - 47
	47.1 - 52.1
	52.1 - 58.4
	58.8 - 66.2

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Product Trial Comments:

This trial had a +2.59 bushel/acre yield response using the -1.5/+1.5 Standard Deviation measurement method to tighten up yield data points. This trial experienced significant drought pressure which led to a projected 20% yield loss.

This plot had 2 different varieties planted

CP2920E - Trial = 53.65, Control = 50.55, Yield Response = 3.10 bushels/acre

CP3120E - Trial = 48.84, Control = 48.14, Yield Response = 0.70 bushel/acre

Application Date and Details:

2023 Crop: Corn

Application Date: 11/20/23

Application Method: Sprayer Broadcast

Product Application Rate/Acre: DgradeR = 48 oz., Dry Spray Grade AMS = 2 lbs.

Tank Mix Rate/Acre: 10 gallons

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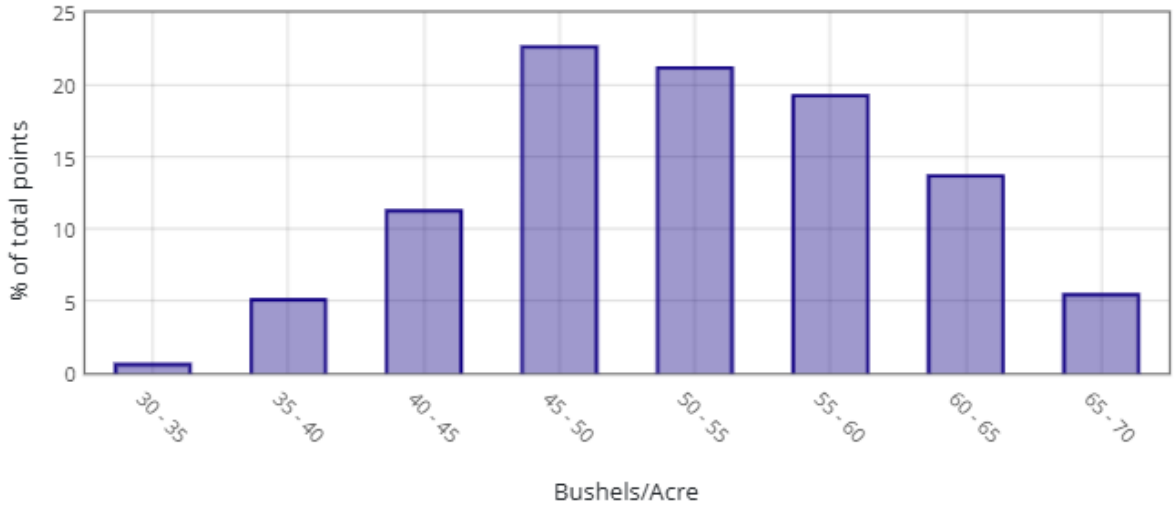
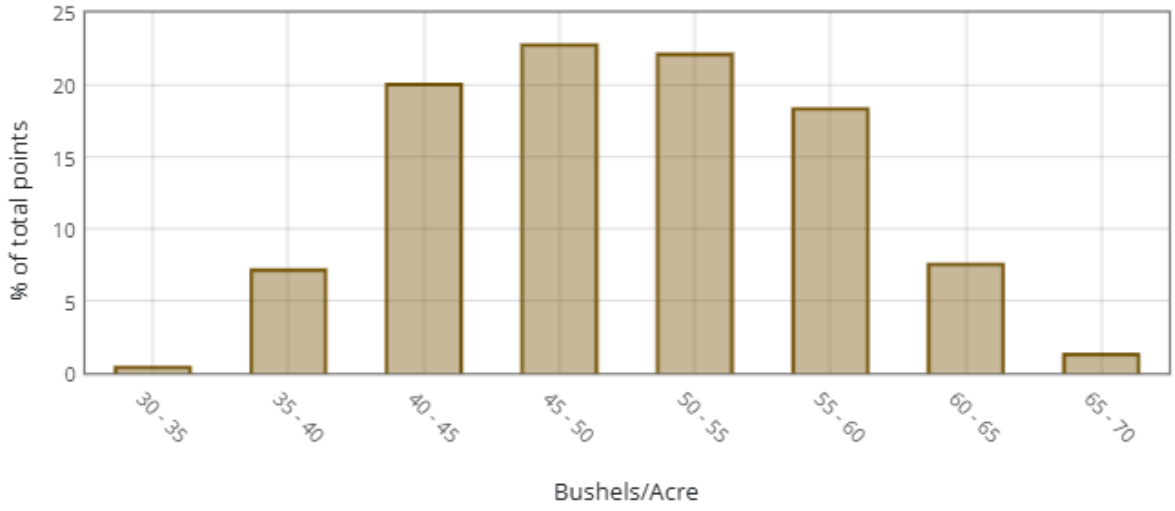
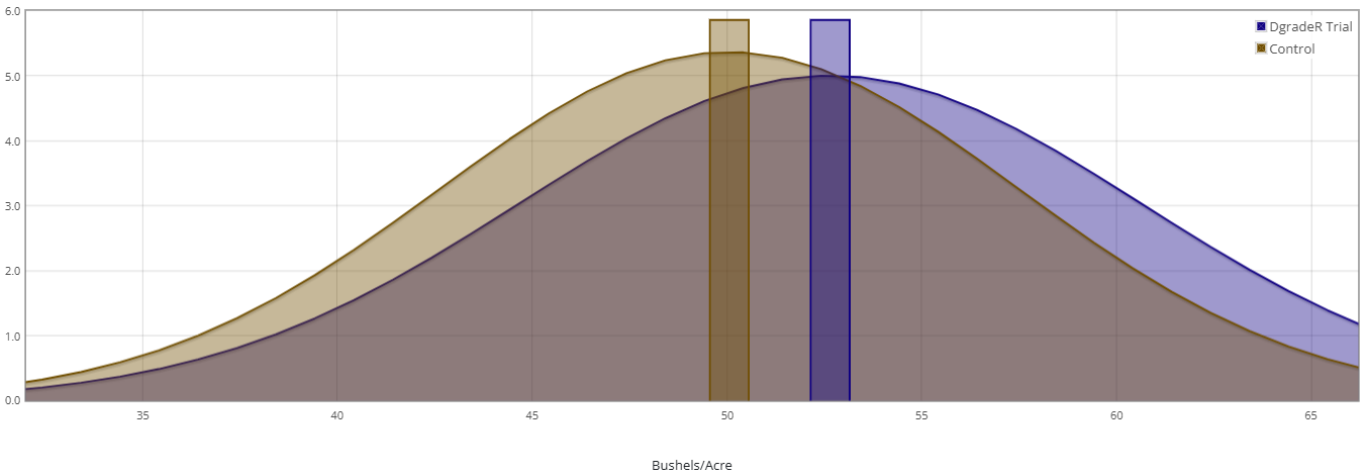
DgradeR Trial



Control



Normal Curve Distribution



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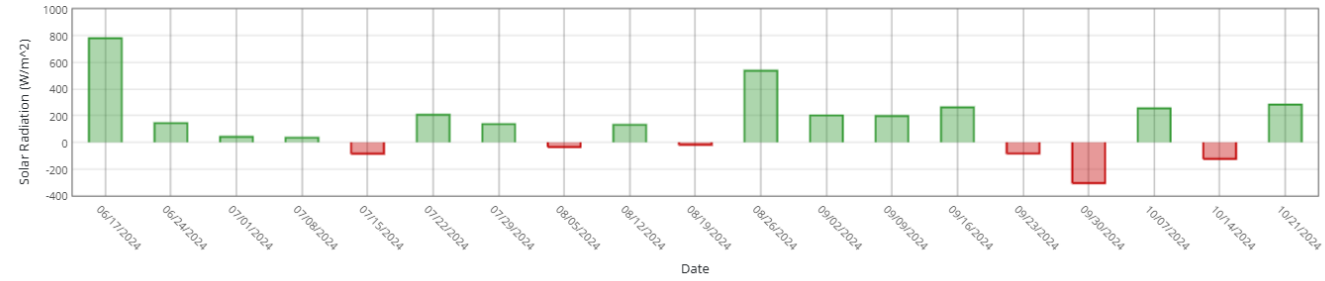
Trial Location Weather Data vs 5 Yr Avg

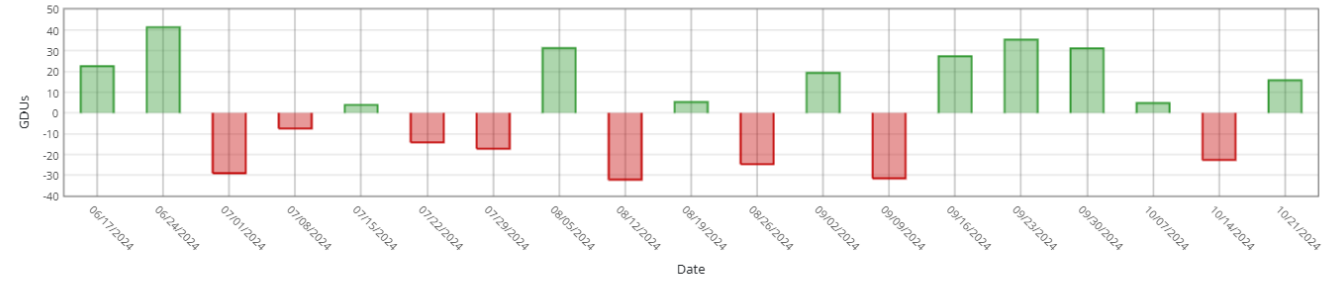
Historical Averages based on past 5 years

Cumulative Week over Week

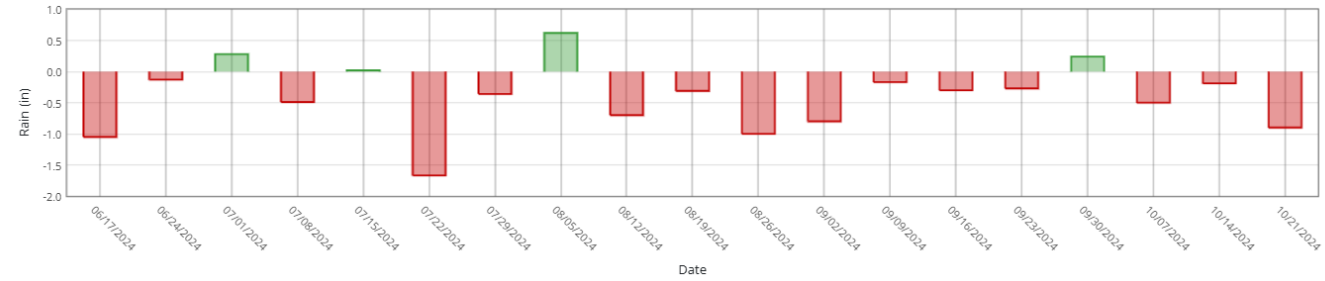
Sunlight



Heat (GDUs)

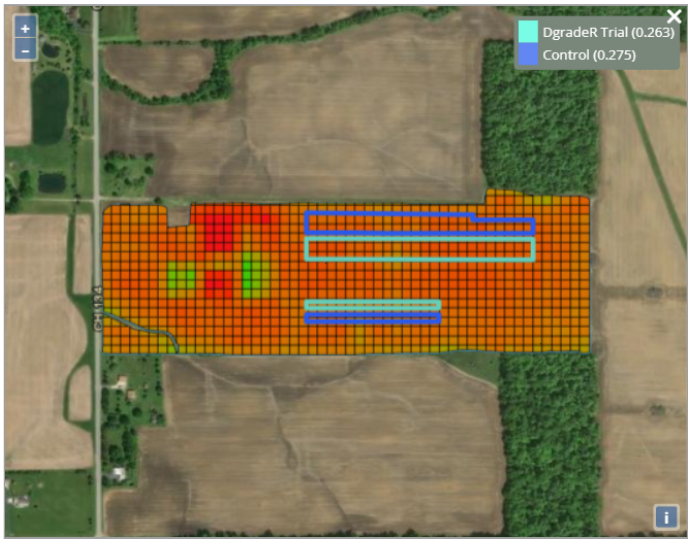


Rain



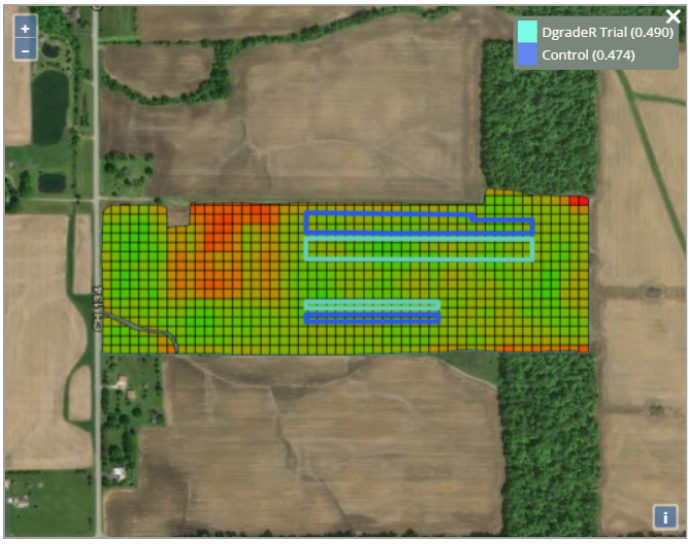
Additional References

Satellite Imagery - 07/07/2024 - Trial: SoilBiotics DgradeR Corn Residue Breakdown - NDVI Green



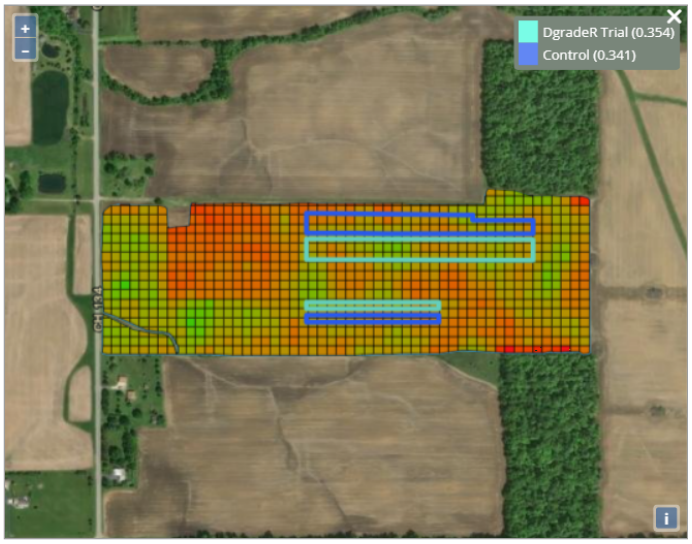
NDVI Green imagery measures plant health and chlorophyll markers. This image was measured 26 days after planting. The Trial measured -4.4% to the Control

Satellite Imagery - 08/26/2024 - Trial: SoilBiotics DgradeR Corn Residue Breakdown - NDVI Green



In the 50 days after the 1st imagery,the trial made significant improvements. The Trial improved from -4.4% to +3.4% when compared to the Control during a period of drought pressure

Satellite Imagery - 09/15/2024 - Trial: SoilBiotics DgradeR Corn Residue Breakdown - NDVI Green



The purpose of this Mid-September measurement is to evaluate stay green capability. The Trial is still +3.8% to the Control on 9/15/24.