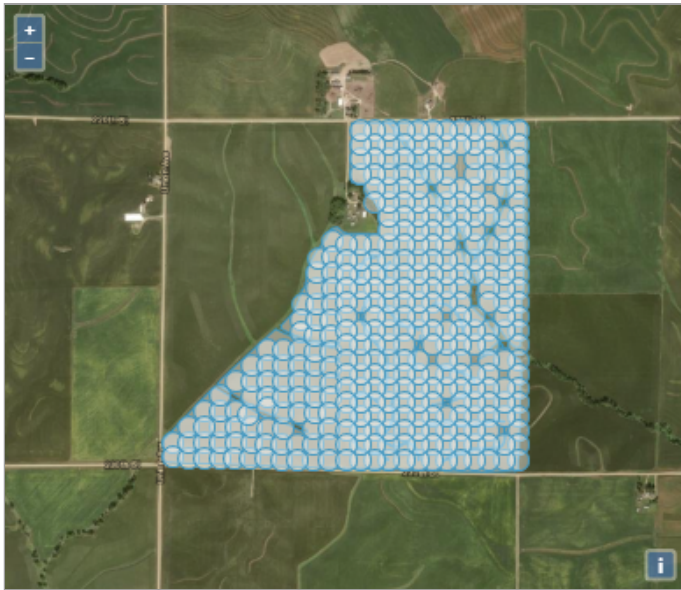


Product Trial Report

GROWER DETAILS	FIELD DETAILS	PLANTING/HARVEST DETAILS	
Grower:	Total Acres: 388.33	Crop: Soybean	Report Date: 11/05/2023
City & State: Correctionville, IA	Soil Type: Please see Soil Type Map	Plant Date: 05/03/2023	Harvest Year: 2023
Zip Code: 51016	Title: Spot Tile	Row Spacing: 15"	Crop: Soybean
	Irrigation: None	Planting Depth: 1.75	Trial Name: DgradeR
	Fall Tillage: No Till	Harvest Date: 09/28/2023	Trial Type: Preplant
	Spring Tillage: No Till	Variety: 25A16E	
		Seed Company: Pioneer	
		Population: 120000	

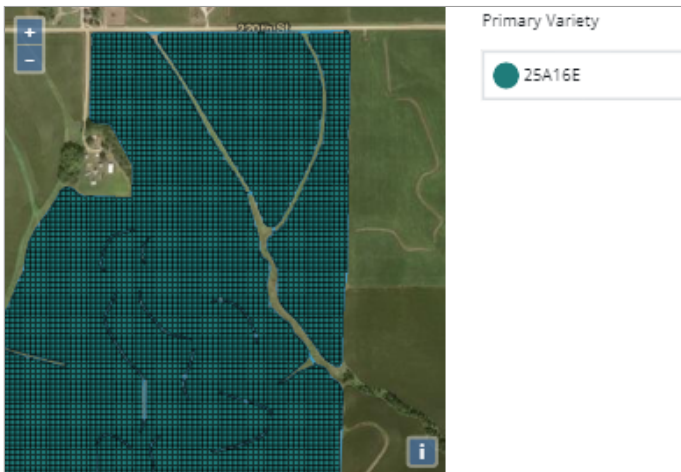
Field Map



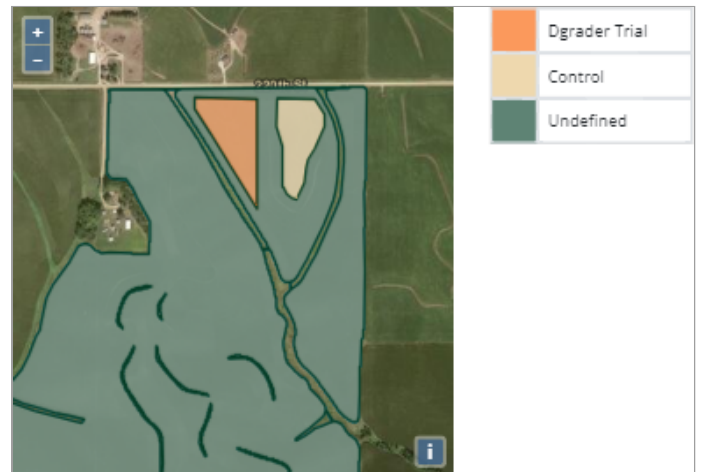
Soil Type



Planting Map



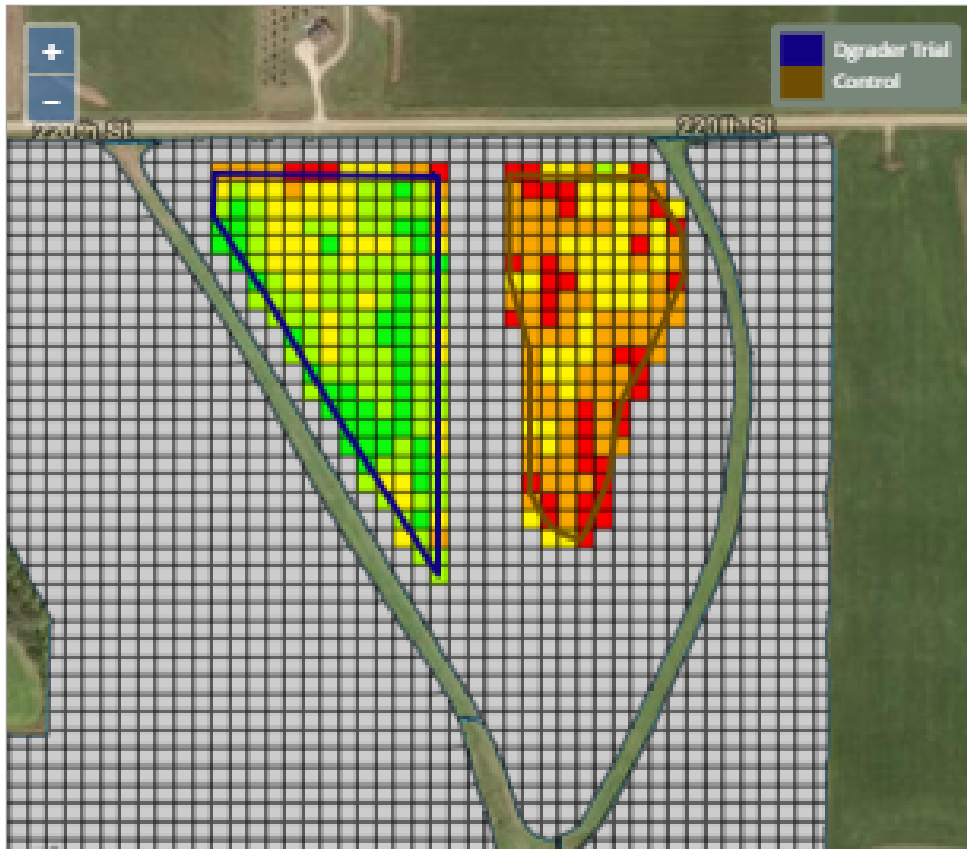
Trial Zones



Product Trial Report

Yield Results Data

High Level Yield Heat Map



Yield Summary BPA	
<i>Location</i>	<i>Yield</i>
Dgrader Trial	59.72
Control	53.31
Yield Response	6.41

Yield Values	
●	39.7 - 48.7
●	48.7 - 53.2
●	53.2 - 58.7
●	58.8 - 65
●	65 - 74.2

Product Trial Report

Product Trial Comments: This trial had an outstanding yield response of 6.41 bushels/acre.

The satellite image differences between the June 28th and August 22nd images at the bottom of this report is very interesting. These image differences illustrate that DgradeR had some kind of an effect with keeping the plant more green during extreme drought conditions. This had a projected 30% yield loss due to drought.

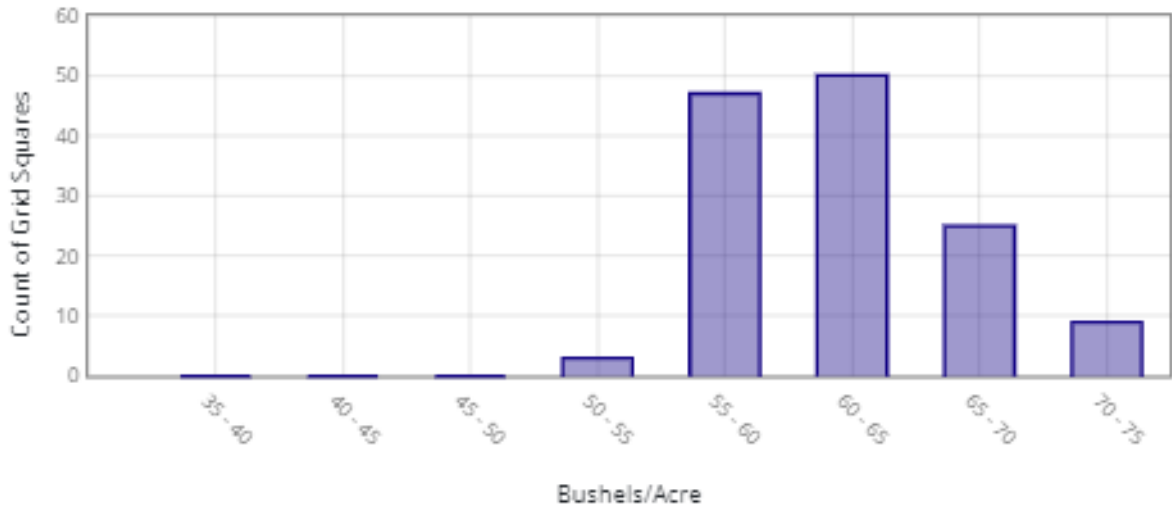
Application Date and Details:

Application Date - 4/28/23

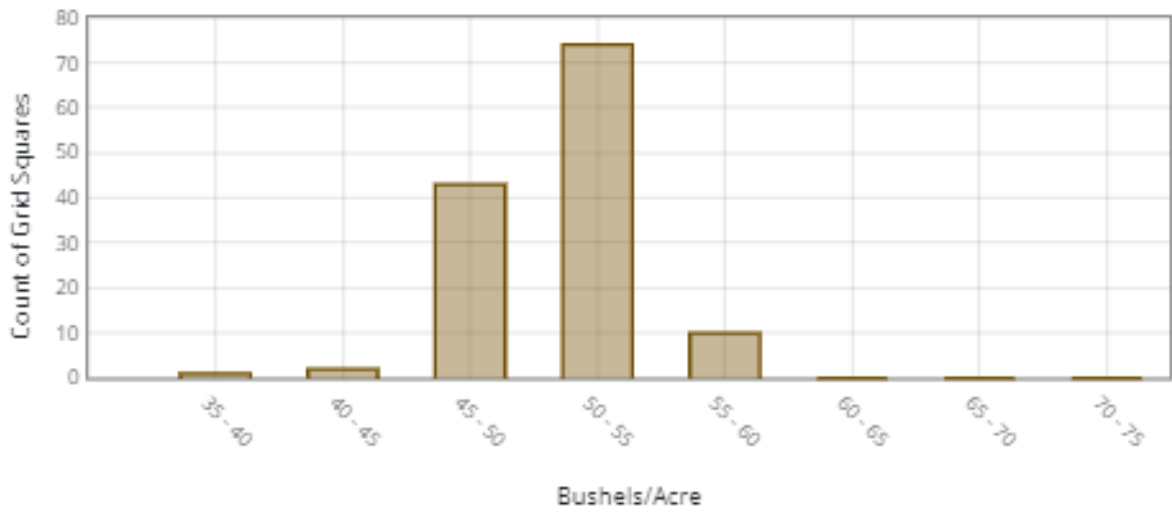
Application Rates/Acre - 48 oz. DgradeR was applied with 2 lbs. dry spray grade AMS

Product Trial Report

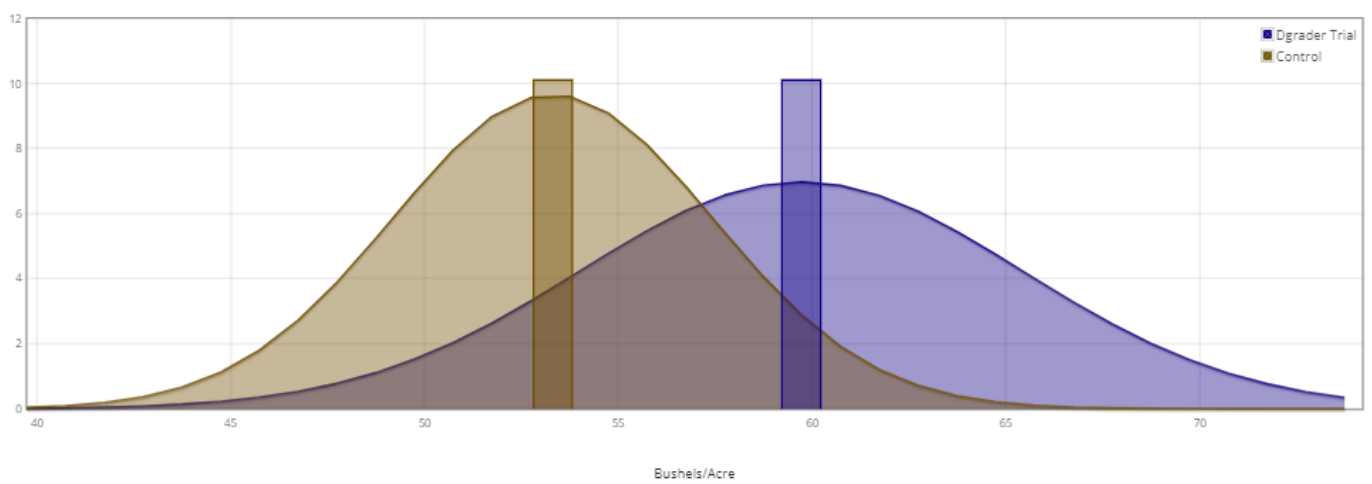
Dgrader Trial



Control



Normal Curve Distribution



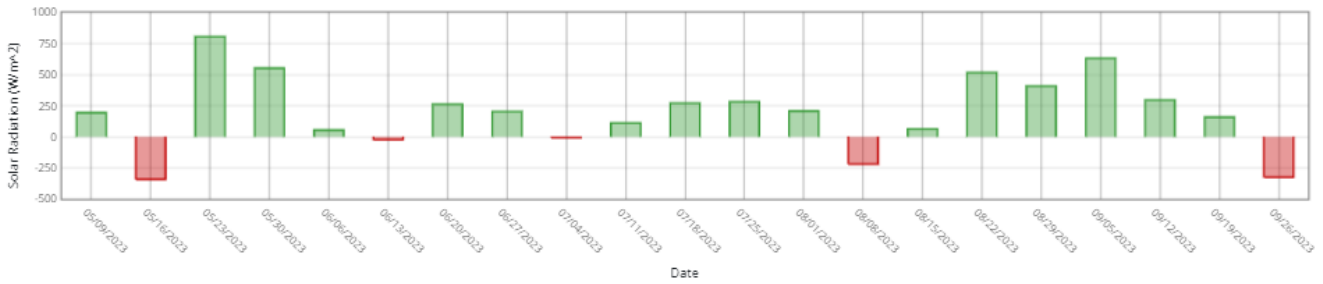
Product Trial Report

Trial Location Weather Data vs 5 Yr Avg

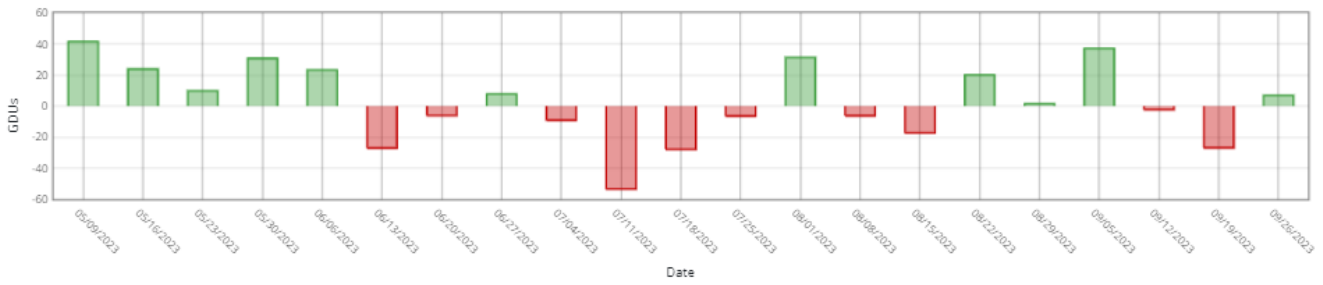
Historical Averages based on past years

Cumulative Week over Week

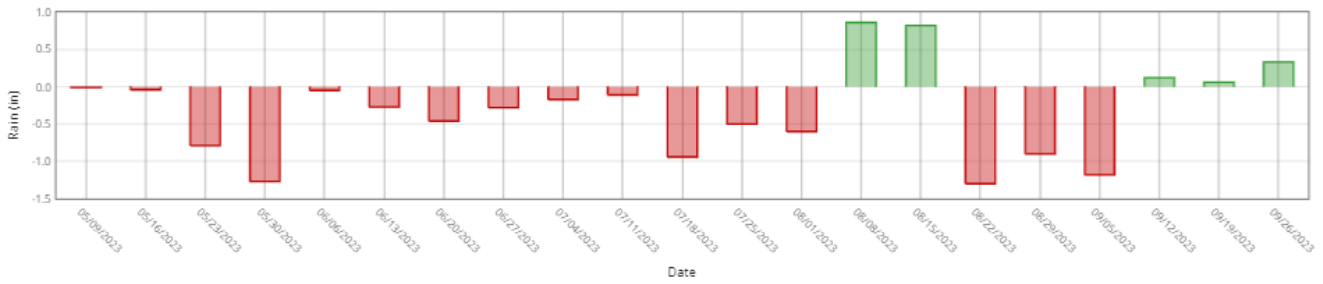
Sunlight



Heat (GDUs)



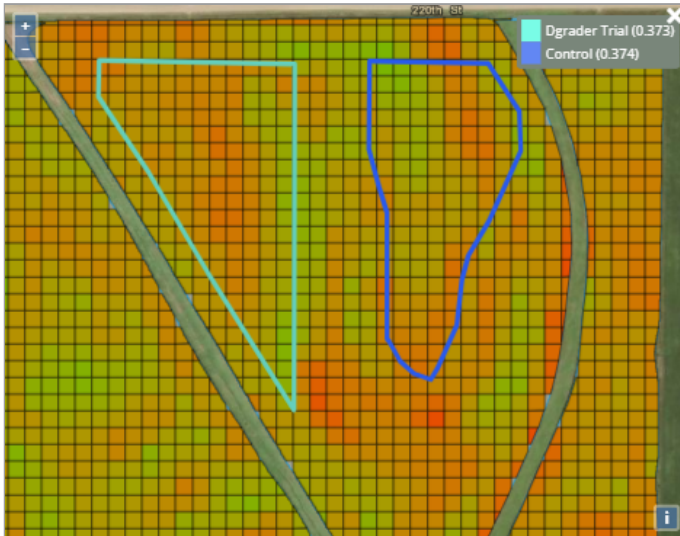
Rain



Product Trial Report

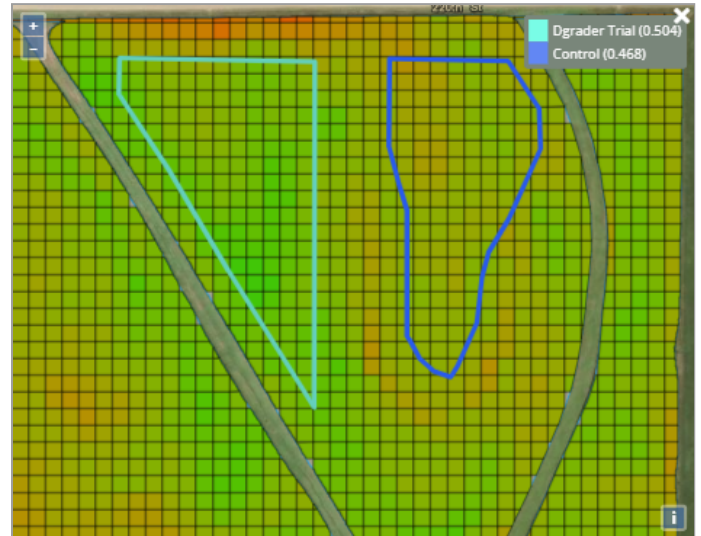
Additional References

Satellite Imagery - 06/28/2023 - Trial: SoilBiotics
DgradeR Trial - NDVI Green



This imagery showed the Trial and Control showed being virtually equal in this chlorophyll measurement

Satellite Imagery - 08/22/2023 - Trial: SoilBiotics
DgradeR Trial - NDVI Green



This imagery shows a 7.7% higher chlorophyll measurement than the control. This is a very interesting change when compared to the June 28th image