Product Trial Report

GROWER DETAILS
Grower:
City & State: Howard Lake, MN
Zip Code: 55349

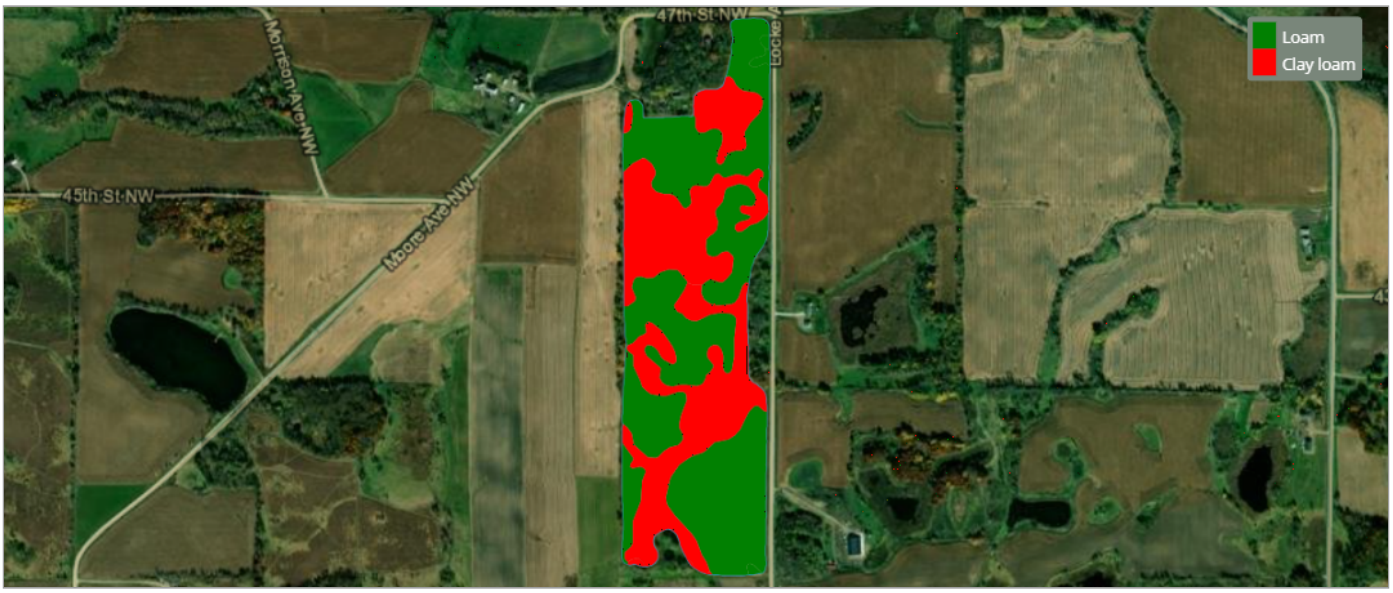
FIELD DETAILS
Total Acres: 78.04
Soil Type: Please see Soil Type Map
Tile: Spot Tile
Irrigation: None
Fall Tillage: Conventional
Spring Tillage: Conventional

PLANTING/HARVEST DETAILS
Crop: Corn
Plant Date: 05/01/2025
Row Spacing: 30"
Planting Depth: 2.25
Harvest Date: 10/22/2025
Hybrid: DKC102-28
Seed Company: DeKalb
Population: 32000

Total Acre Final Report
Report Date: 11/25/2025
Harvest Year: 2025
Crop: Corn
Trial Name: EXP-992 Corn
Trial Type: Post Herbicide & VT Fungicide Pass
Product Name: Growth Supplement 30"

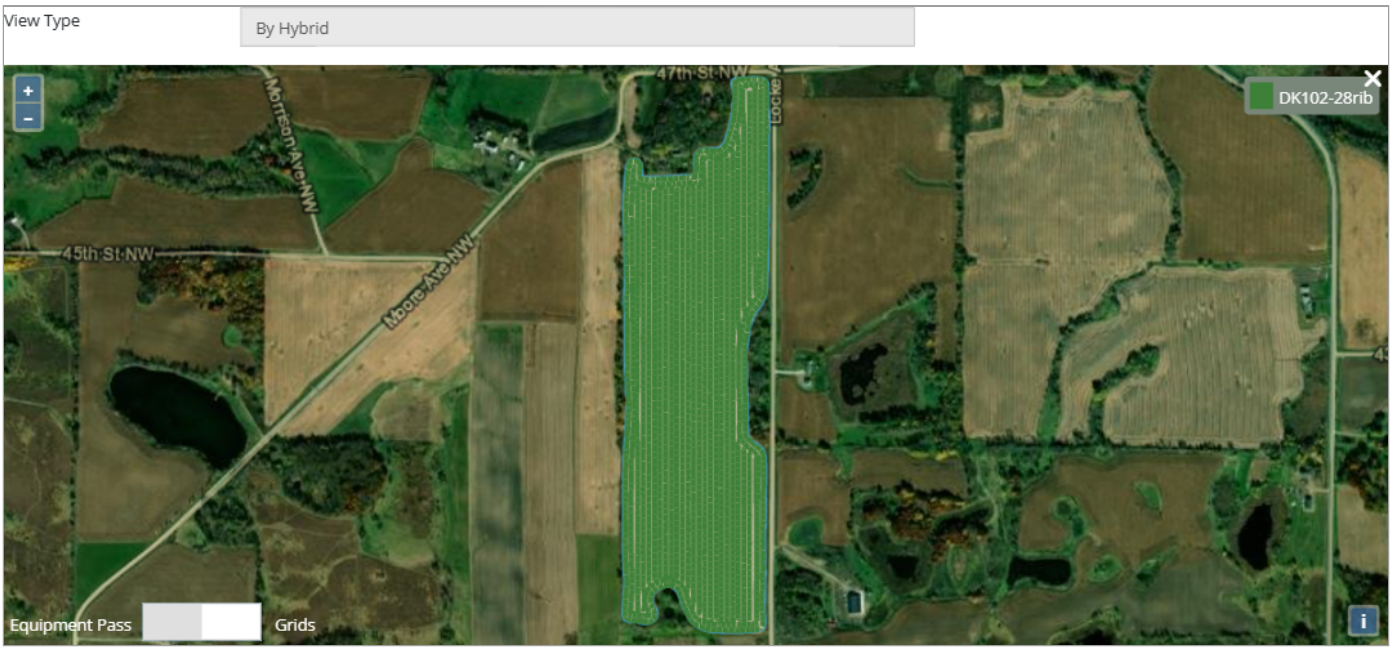
Field Map

Soil Type



Product Trial Report

Planting Map



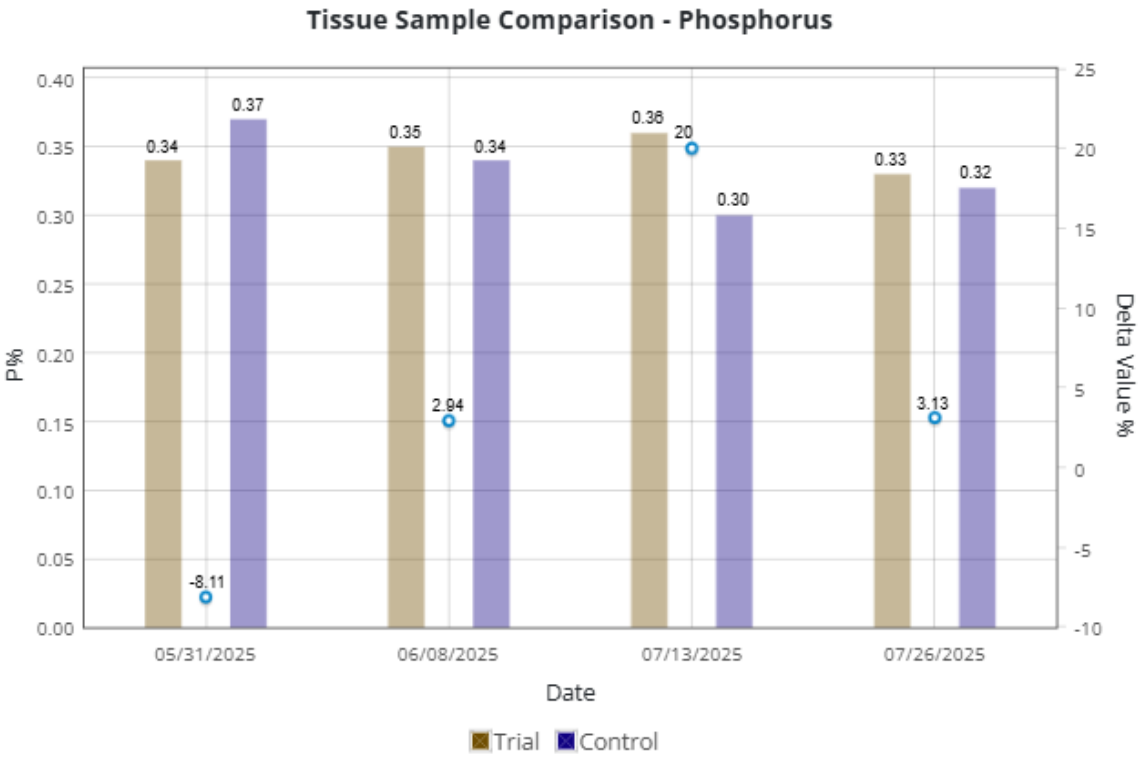
Trial Zones

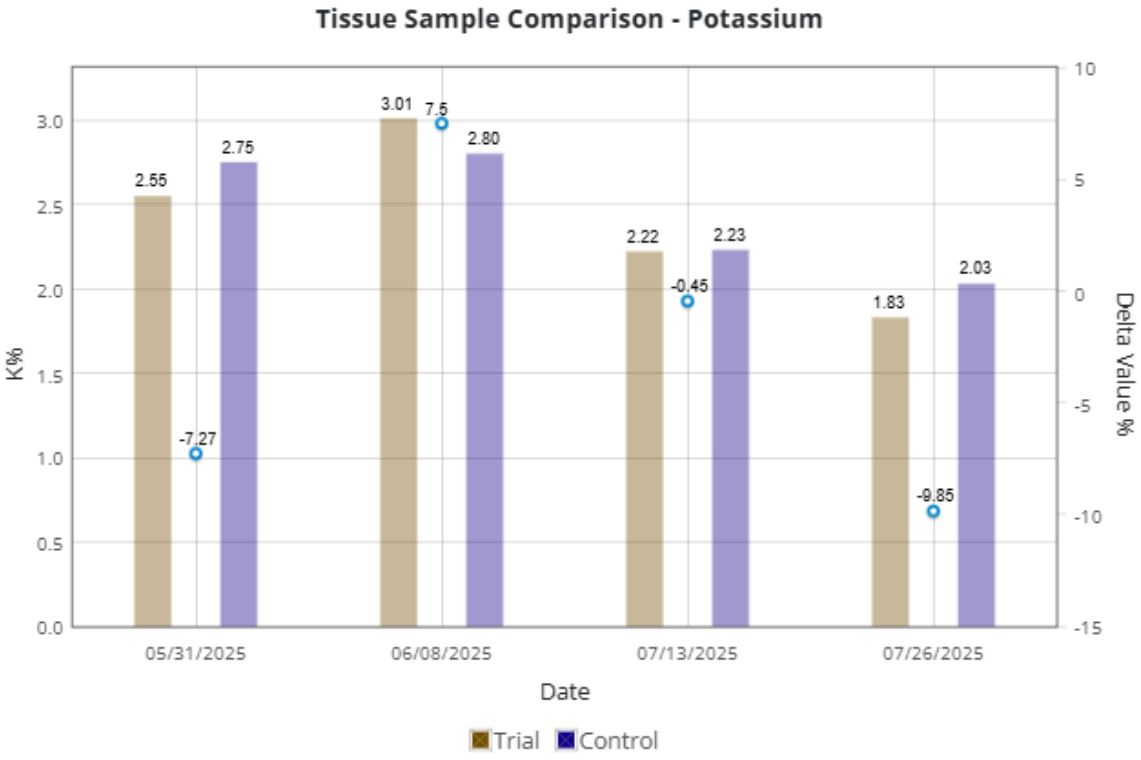
Product Trial Report

Tissue Results Data

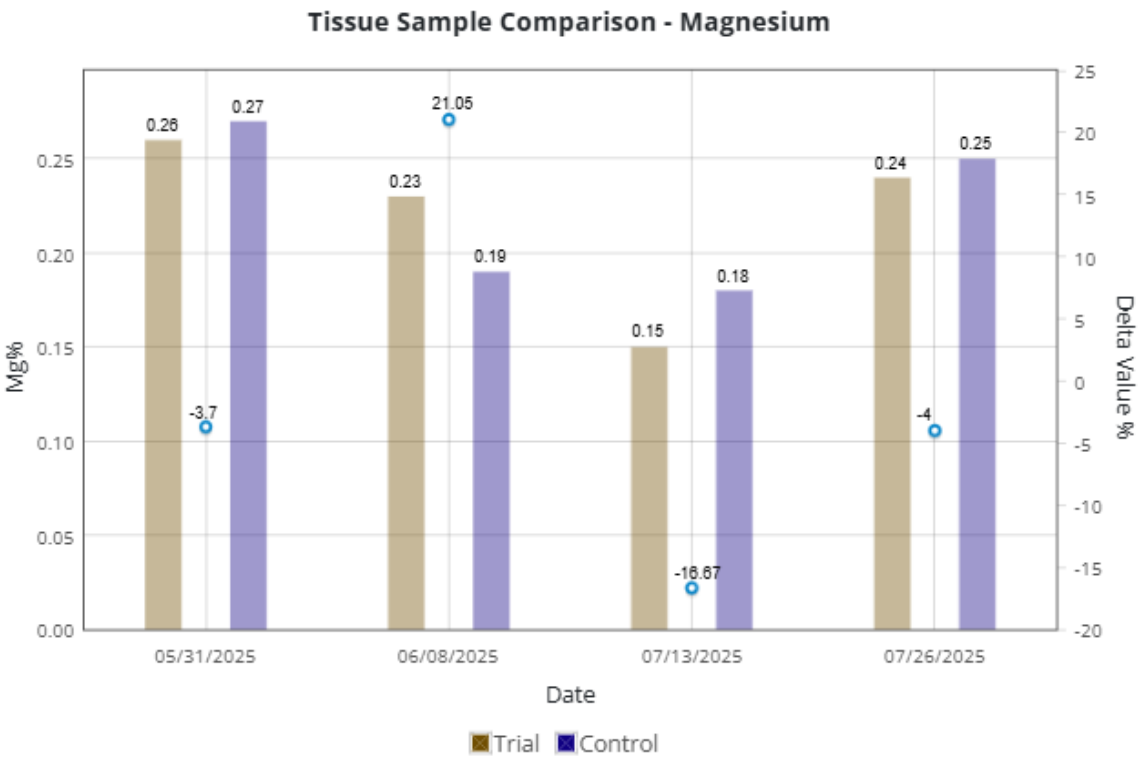
Date	GDUs	Water	Tissue Site	Nitrogen	Phosphorus	Potassium	Magnesium	Calcium	Sulfur	Zinc	Manganese	Copper	Iron	Boron	Aluminum	Molybdenum	Sodium
05/31/2025	343	-	EXP-922	5.23 %	0.34 %	2.55 %	0.26 %	0.49 %	0.38 %	42.19 ppm	100.57 ppm	10.89 ppm	249.24 ppm	6.25 ppm		1.54 ppm	0.2 ppm
			Control	5.38 %	0.37 %	2.75 %	0.27 %	0.45 %	0.45 %	36.57 ppm	150.46 ppm	15.14 ppm	262.98 ppm	7.24 ppm		1.45 ppm	0.19 ppm
06/08/2025	463	0.7 in	EXP-922	5.25 %	0.35 %	3.01 %	0.23 %	0.5 %	0.39 %	33.82 ppm	104.62 ppm	10.64 ppm	209.37 ppm	7.46 ppm		1.39 ppm	0.15 ppm
			Control	5.61 %	0.34 %	2.8 %	0.19 %	0.38 %	0.34 %	27.74 ppm	135.29 ppm	10.56 ppm	150.63 ppm	7.44 ppm		0.63 ppm	0.17 ppm
07/13/2025	1168	8.2 in	EXP-922	3.92 %	0.36 %	2.22 %	0.15 %	0.31 %	0.25 %	30.86 ppm	124.35 ppm	12.51 ppm	130.03 ppm	14.32 ppm		0.4 ppm	0.34 ppm
			Control	3.62 %	0.3 %	2.23 %	0.18 %	0.29 %	0.23 %	28.41 ppm	88.13 ppm	11.28 ppm	200.25 ppm	12.2 ppm		0.69 ppm	0.3 ppm
07/26/2025	1451	2.3 in	EXP-922	3.85 %	0.33 %	1.83 %	0.24 %	0.45 %	0.27 %	22.61 ppm	122.27 ppm	13.67 ppm	152.87 ppm	6.83 ppm		0.34 ppm	0.36 ppm
			Control	3.94 %	0.32 %	2.03 %	0.25 %	0.48 %	0.34 %	25.62 ppm	146.99 ppm	15.27 ppm	313.08 ppm	7.77 ppm		0.83 ppm	0.35 ppm

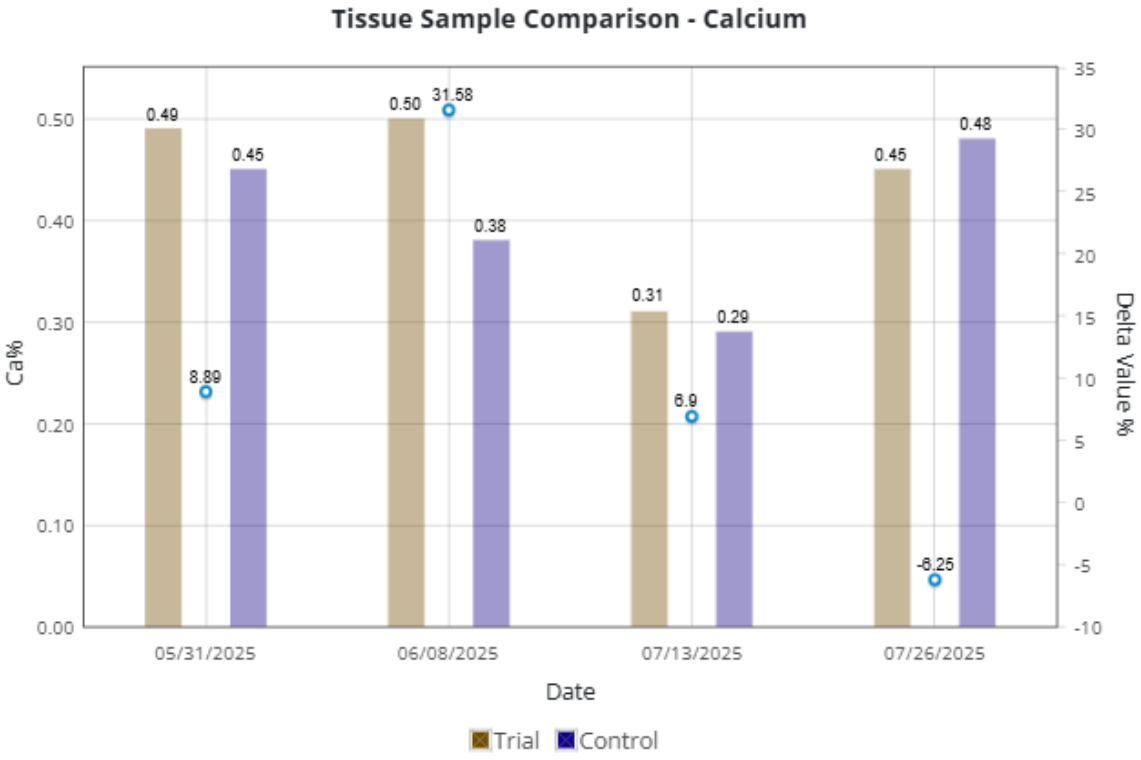
Product Trial Report



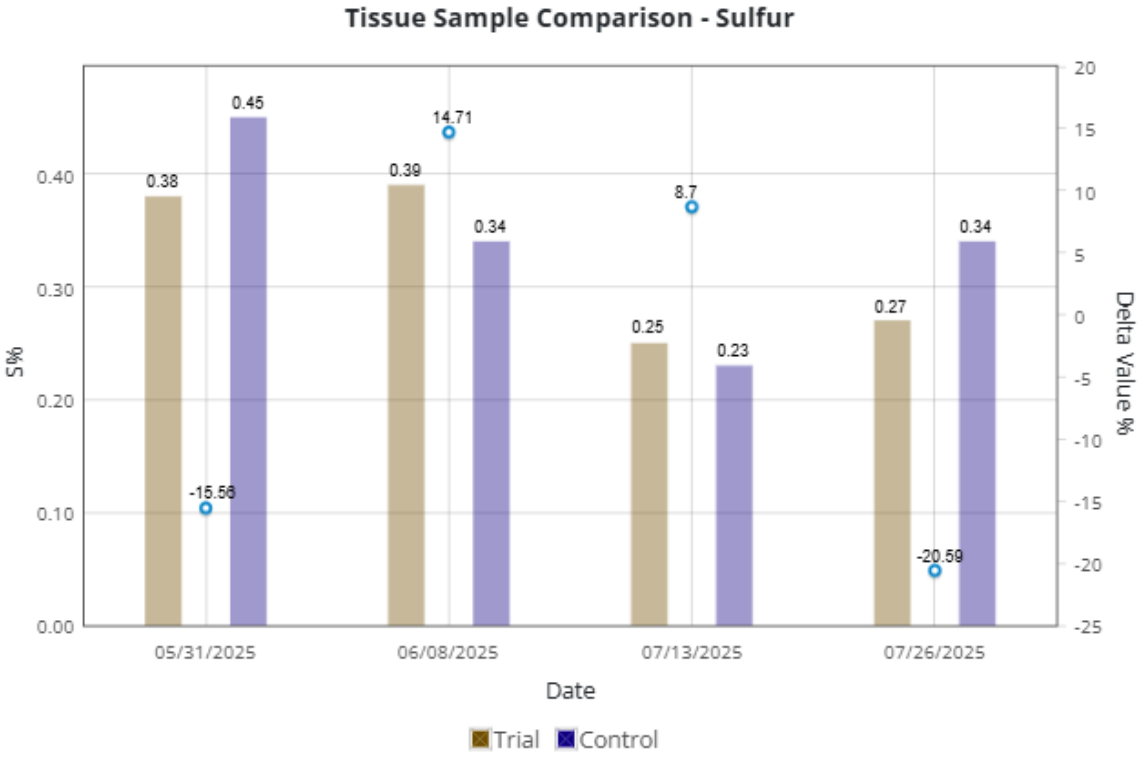


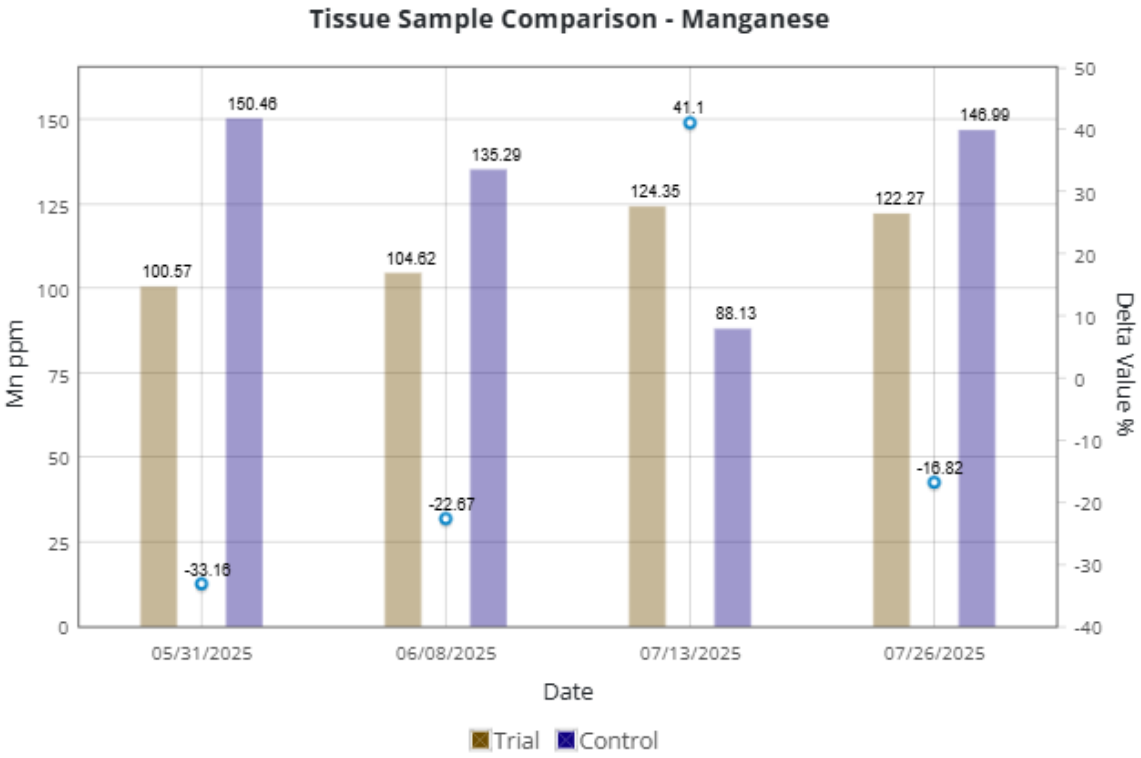
Product Trial Report



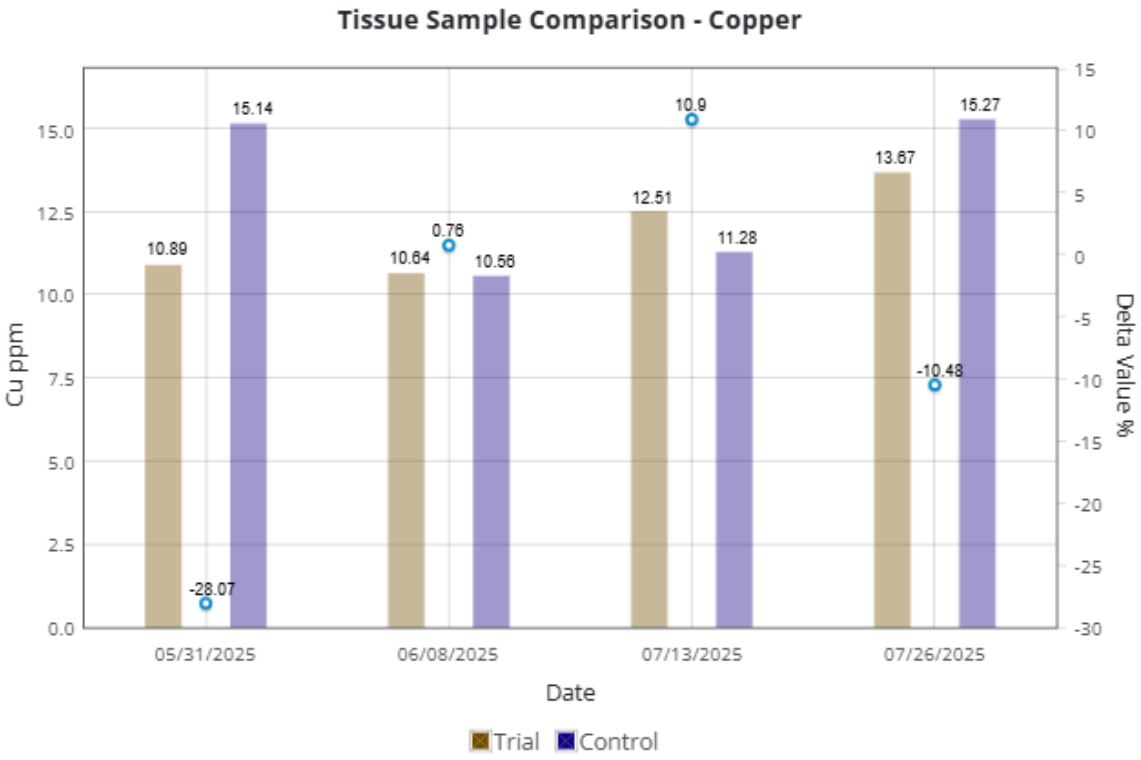


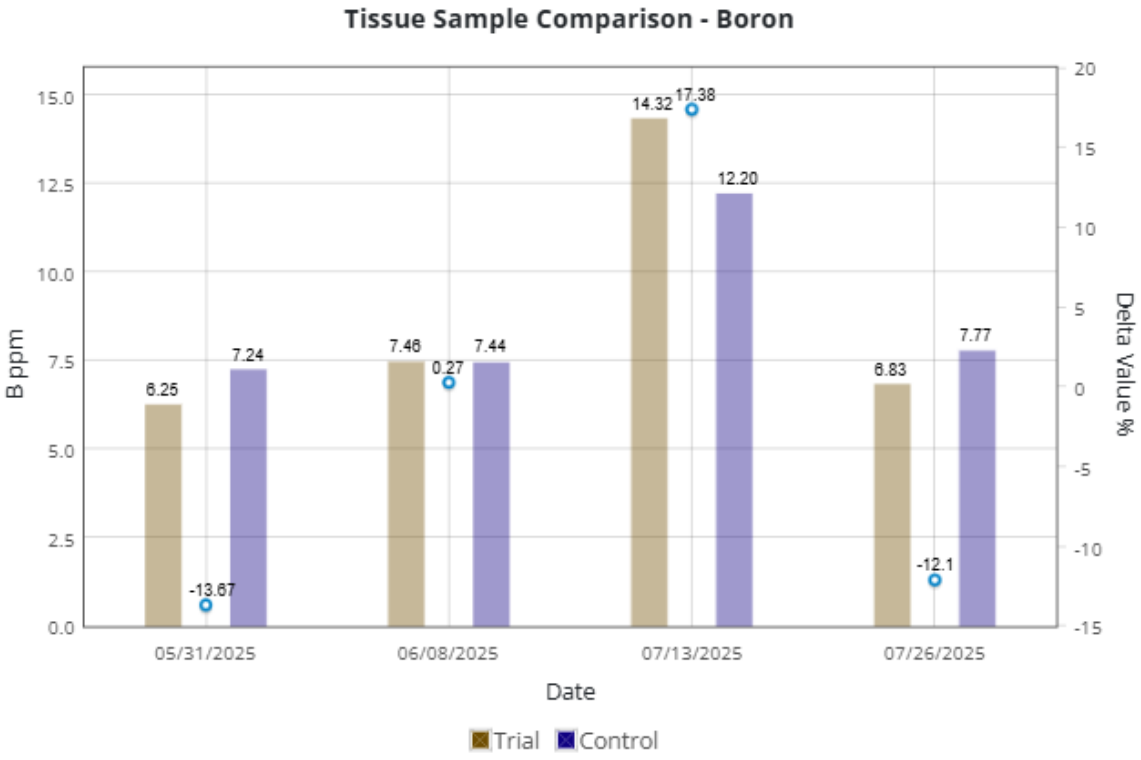
Product Trial Report





Product Trial Report

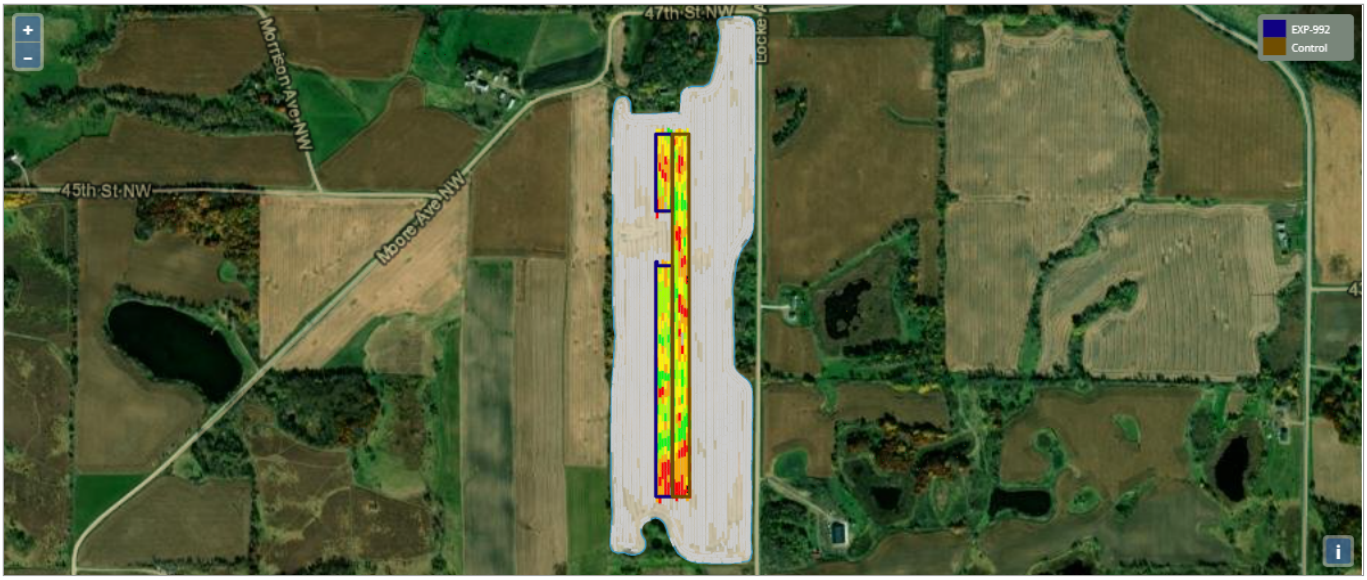




Product Trial Report

Yield Results Data

High Level Yield Heat Map



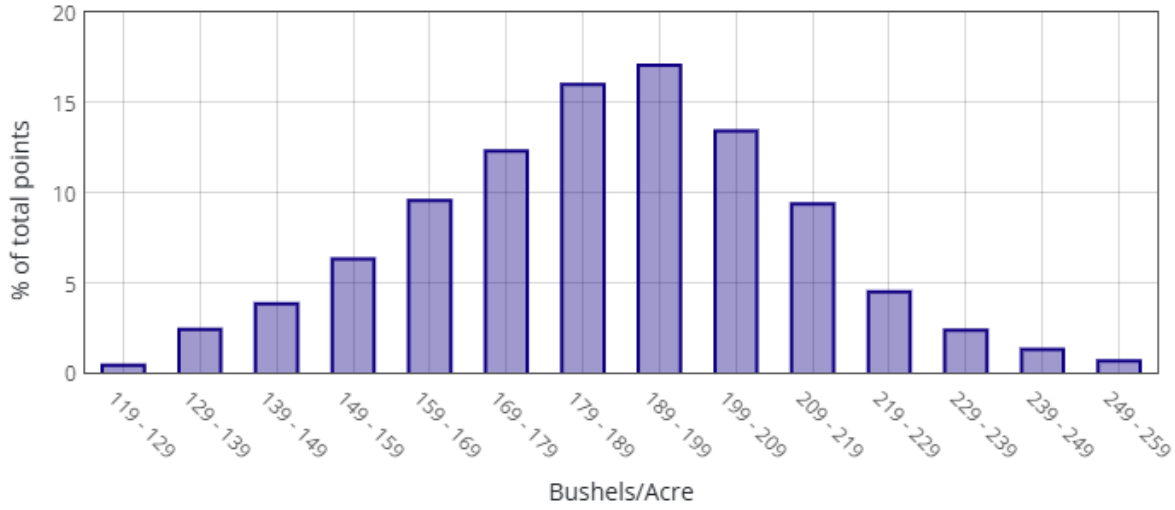
This data was filtered based on -1 / +2.5 St Dev

Yield Summary BPA	
Location	*Yield*
EXP-992	187.69
Control	184.38
Yield Response	3.31

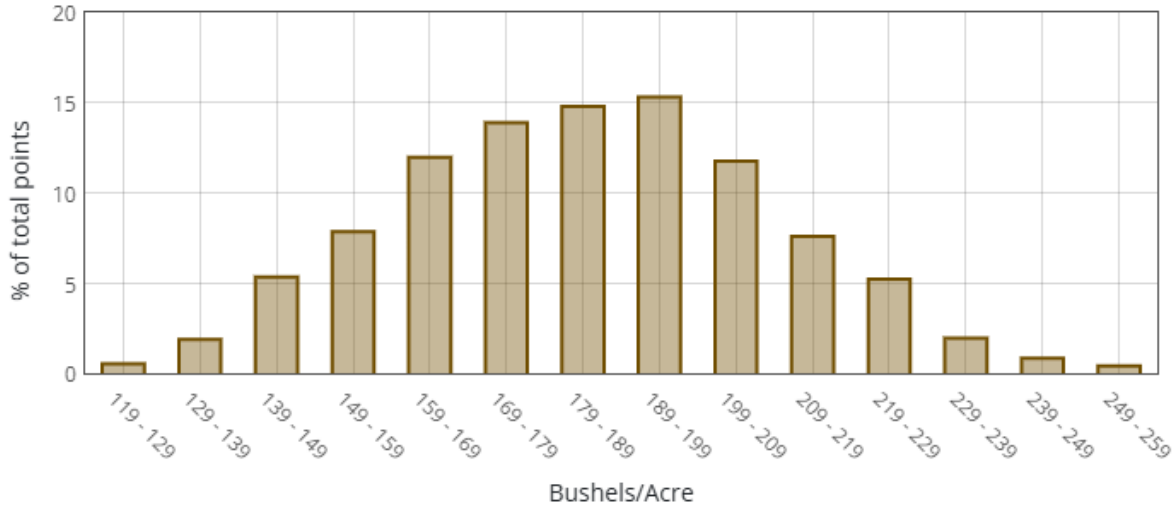
Yield Values	
	126.7 - 147.3
	147.3 - 169.4
	169.5 - 187.5
	187.5 - 208.1
	208.2 - 257.7

Product Trial Report

EXP-992

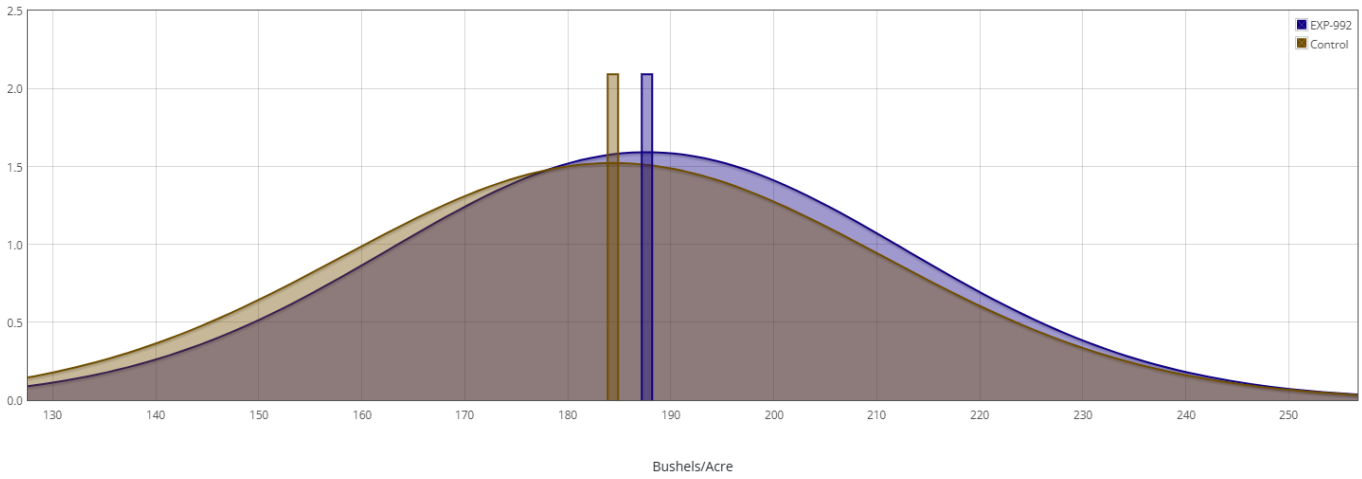


Control



Product Trial Report

Normal Curve Distribution



Product Trial Report

Product Trial Comments:

This experimental trial had a 3.31 bushels/acre yield response using -1 / +2.5 St Dev measurement method to tighten up yield data points. This location experienced much higher than normal amounts of rain during Mid-June to Mid-July period which led to a projected 30% yield loss. Original zones were trimmed due to inconsistencies and efforts were made to get the best side by side trial look possible.

The tissue sample charts are individual nutrients that experienced positive uptake levels during this study.

Application Date and Details:

Post Herbicide Pass

- **Application Date:** 5/31/2025, 343 GDU's
- **Growth Stage:** V2
- **Application Method:** Sprayer Broadcast
- **Product Application Rate/Acre:** EXP-992 = 10 oz.
- **Tank Mix Rate/Acre:** 10 Gallons

VT Fungicide Pass

- **Application Date:** 7/20/2025,1294 GDU's
- **Growth Stage:** VT
- **Application Method:** Sprayer Broadcast
- **Product Application Rate/Acre:** EXP-922 = 10 oz.
- **Tank Mix Rate/Acre:** 10 Gallons
- **Additional Details:** Sprayer with Tetraband fungicide.

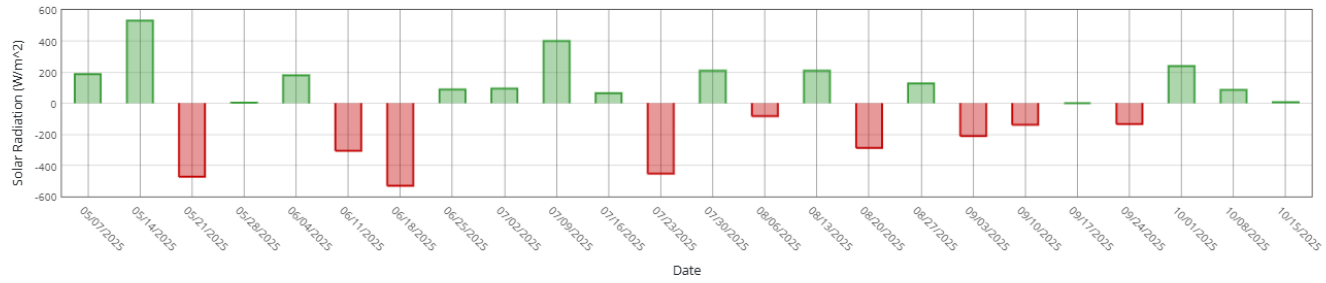
Product Trial Report

Trial Location Weather Data vs 5 Yr Avg

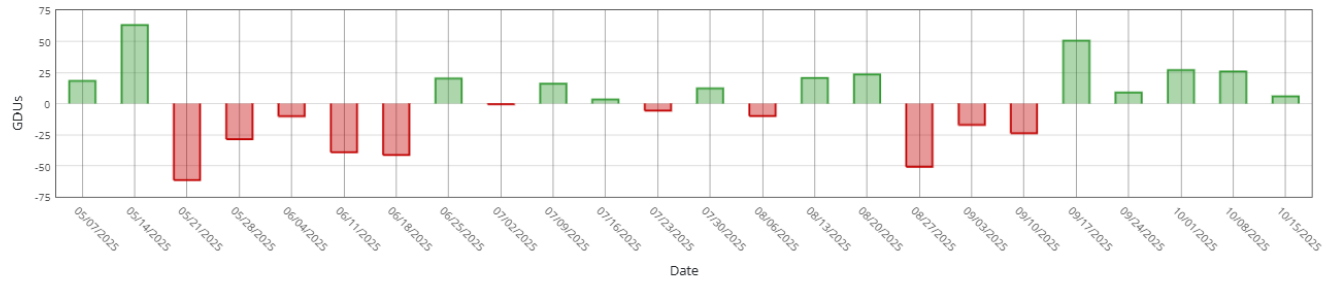
Historical Averages based on past 5 years

Cumulative Week over Week

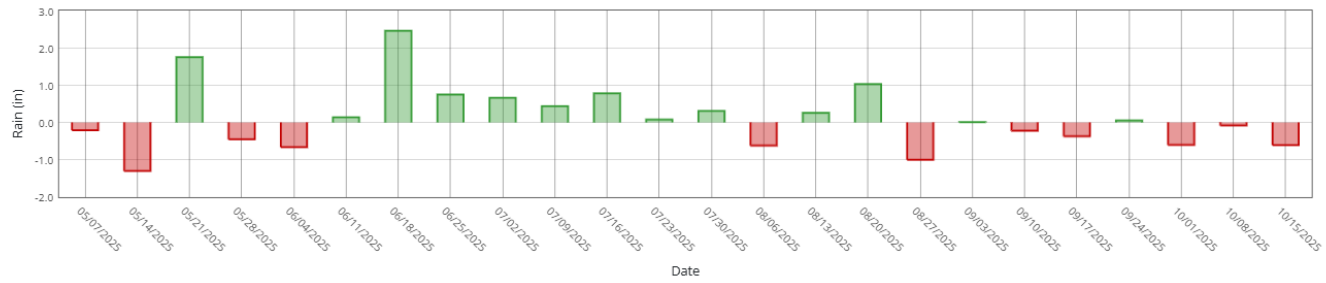
Sunlight



Heat (GDUs)

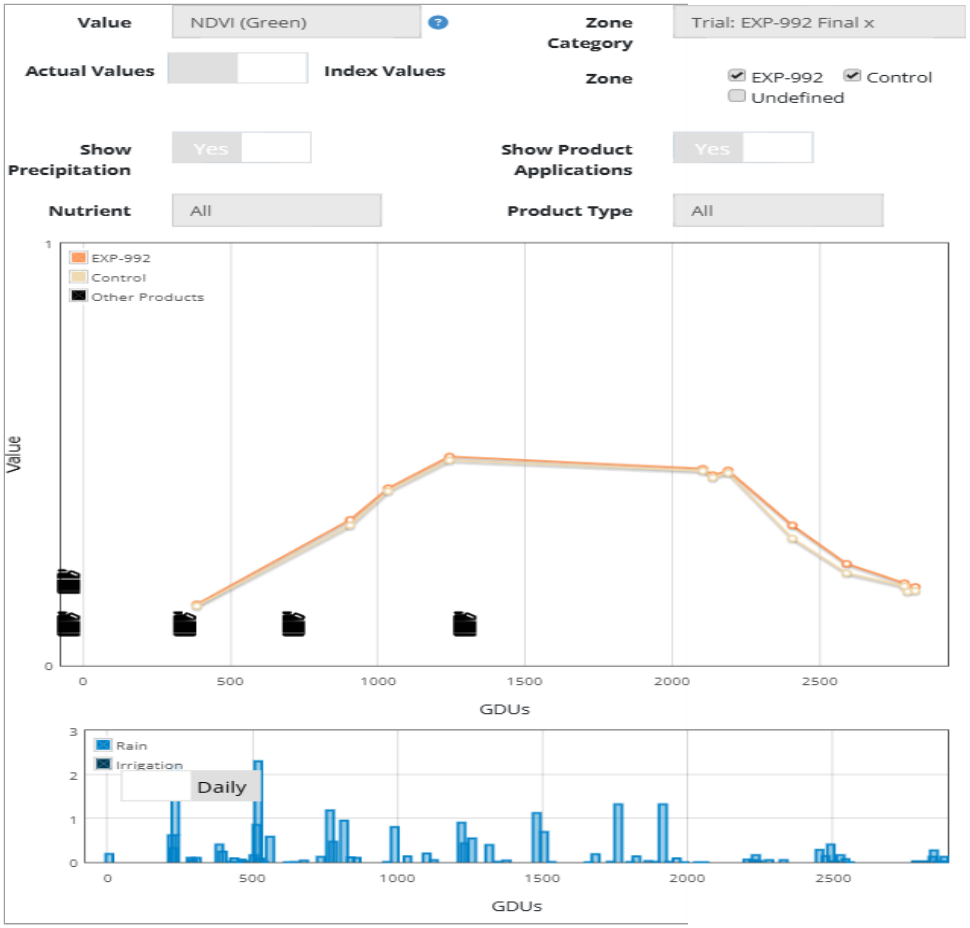


Rain



Additional References

Sentinel Imagery Indexes



This NDVI Green satellite imagery is used to measure chlorophyll production and plant health markers. Due to high amounts of rain during the growing season, data points were very limited. This chart shows that the EXP-922 measured significantly higher than the control in the month of September which we used to measure stay-green capability levels.