

Product Trial Report

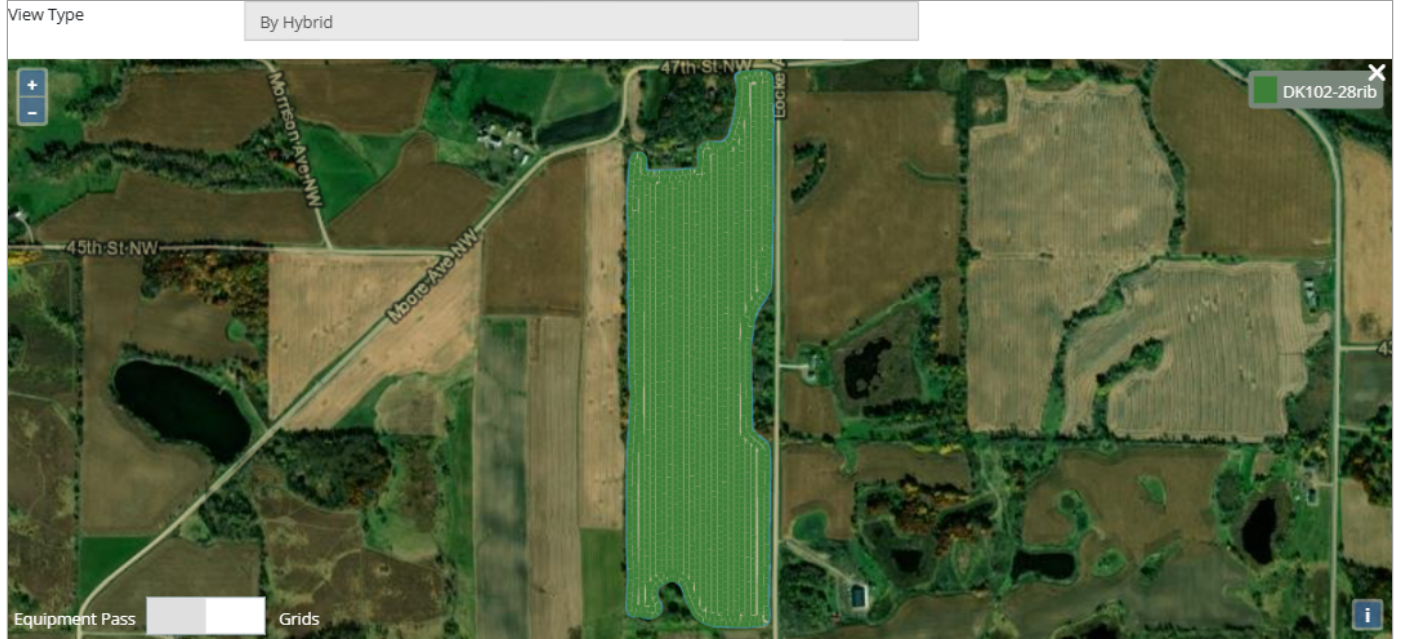
GROWER DETAILS	FIELD DETAILS	PLANTING/HARVEST DETAILS	Total Acre Final Report
Grower:	Total Acres: 78.04	Crop: Corn	Report Date: 11/25/2025
City & State: Howard Lake, MN	Soil Type: Please see Soil Type Map	Plant Date: 05/01/2025	Harvest Year: 2025
Zip Code: 55349	Title: Spot Tile	Row Spacing: 30"	Crop: Corn
	Irrigation: None	Planting Depth: 2.25	Trial Name: EXP-992 Corn
	Fall Tillage: Conventional	Harvest Date: 10/22/2025	Trial Type: Post Herbicide & VT Fungicide Pass
	Spring Tillage: Conventional	Hybrid: DKC102-28	Product Name: Growth Supplement 30"
		Seed Company: DeKalb	
		Population: 32000	

Field Map



Soil Type





Trial Zones



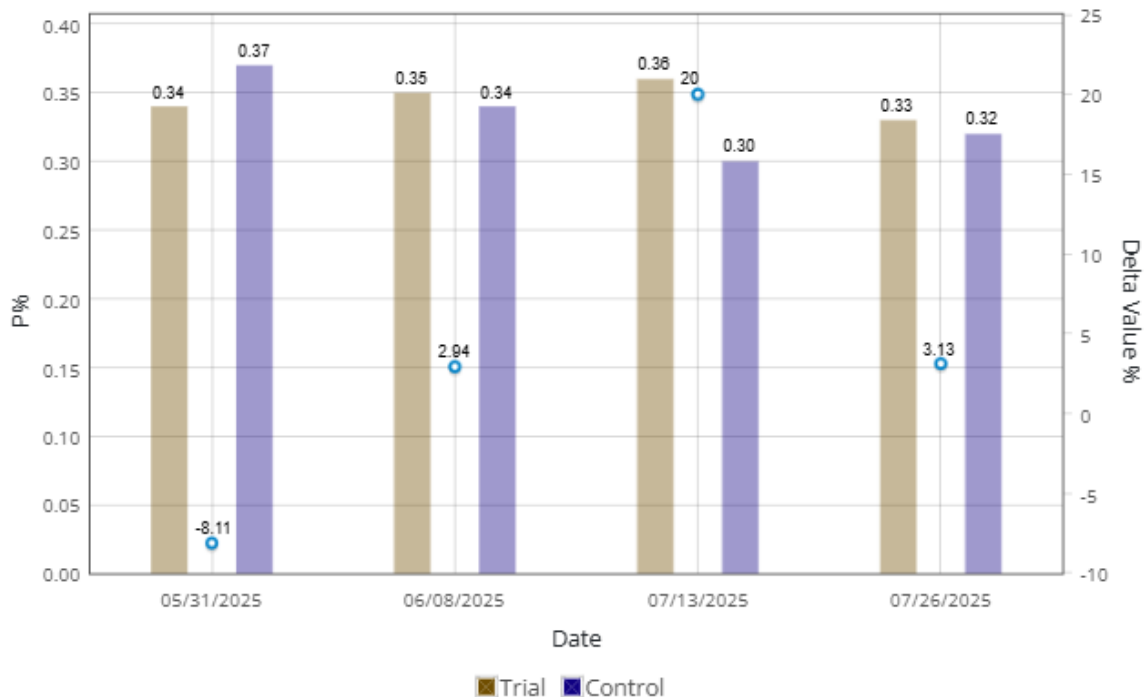


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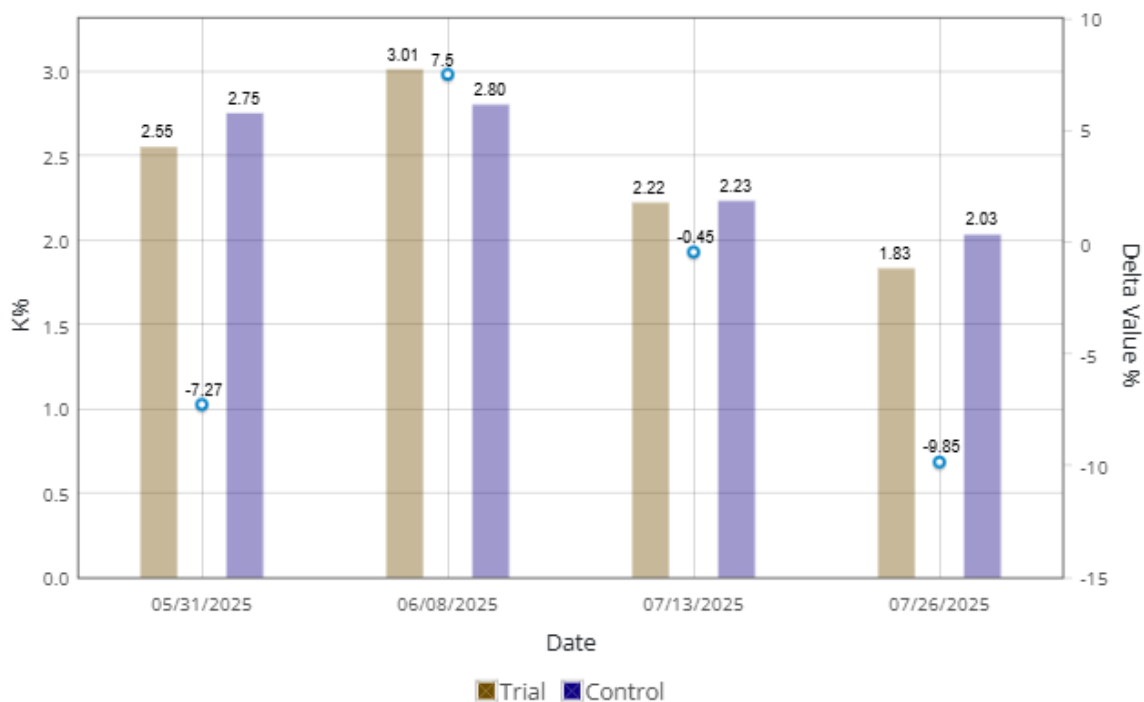
Tissue Results Data

Date	GDUs	Water	Tissue Site	Nitrogen	Phosphorus	Potassium	Magnesium	Calcium	Sulfur	Zinc	Manganese	Copper	Iron	Boron	Aluminum	Molybdenum	Sodium
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

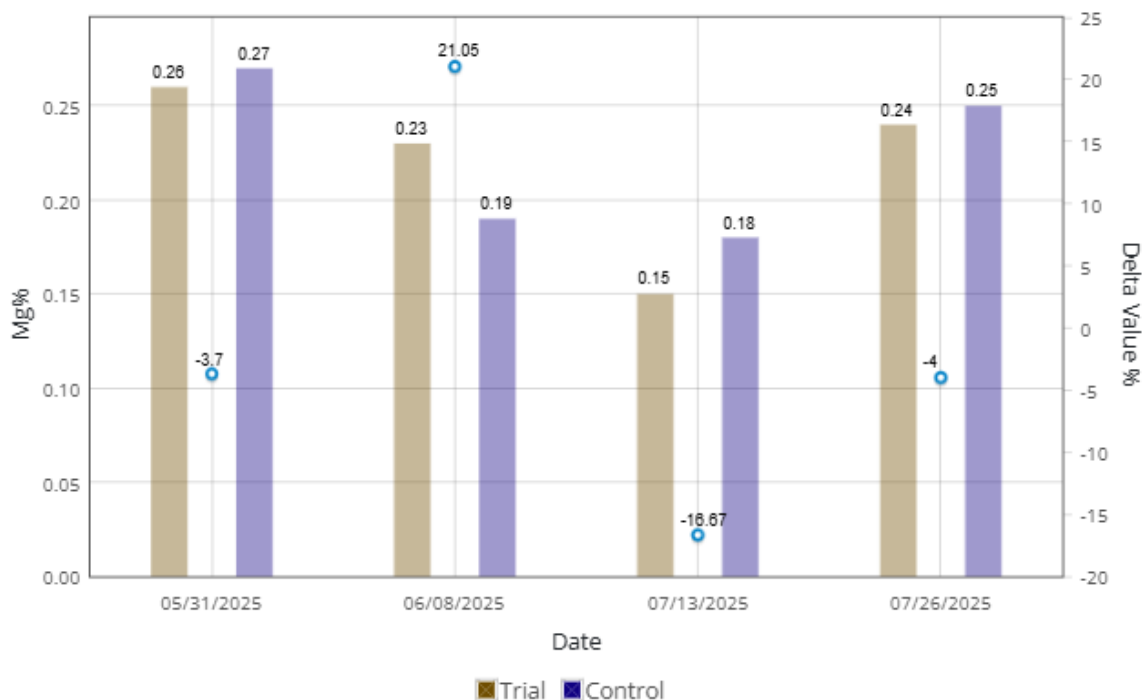
Tissue Sample Comparison - Phosphorus



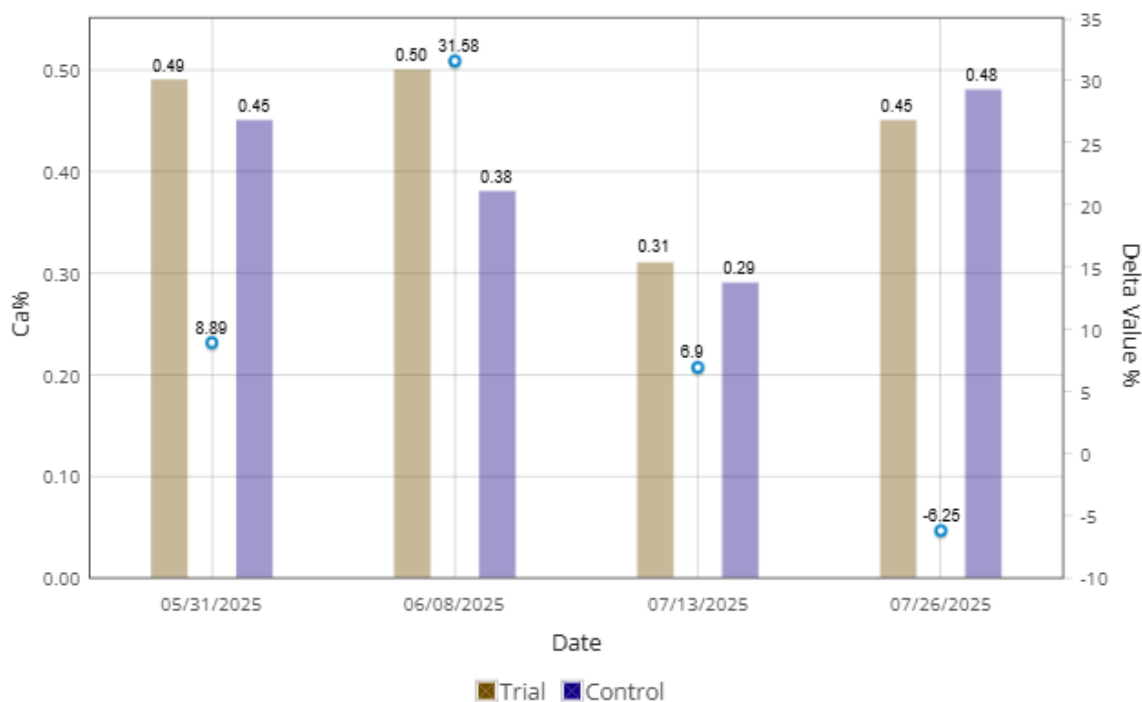
Tissue Sample Comparison - Potassium



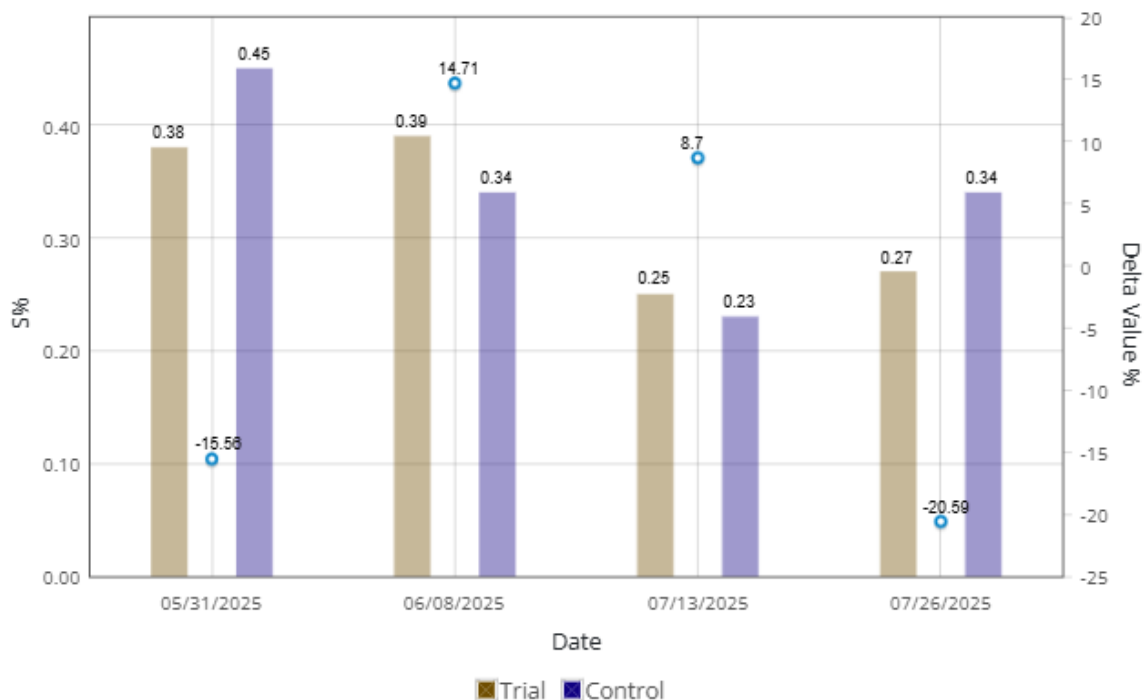
Tissue Sample Comparison - Magnesium



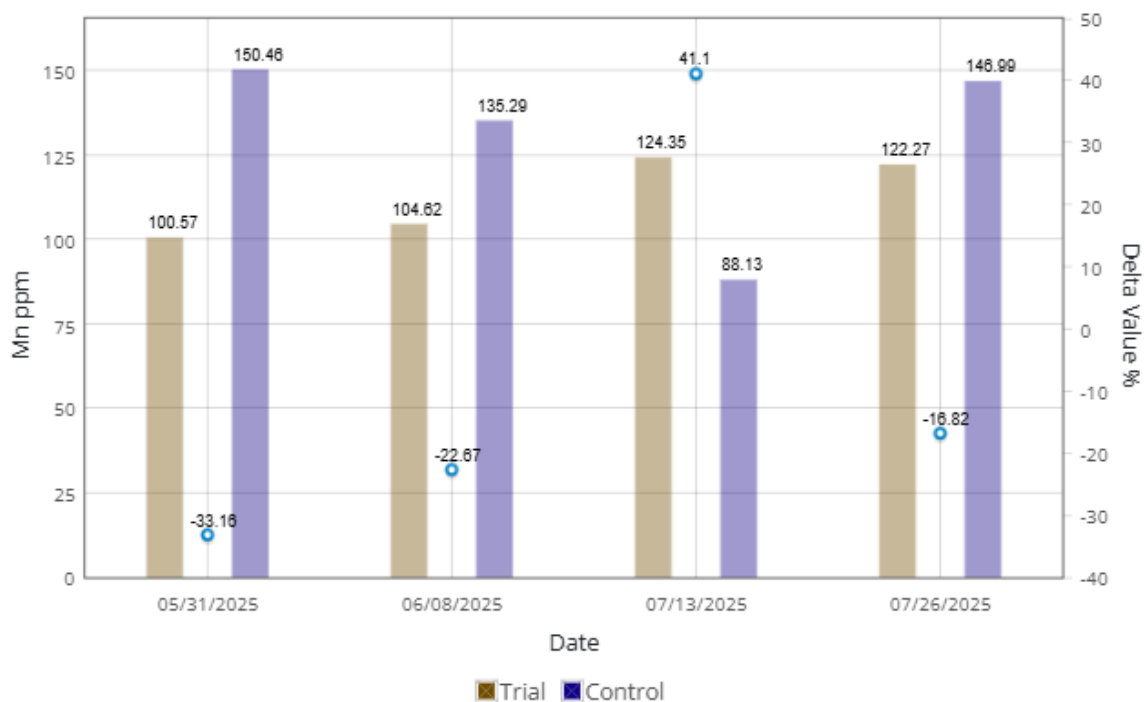
Tissue Sample Comparison - Calcium



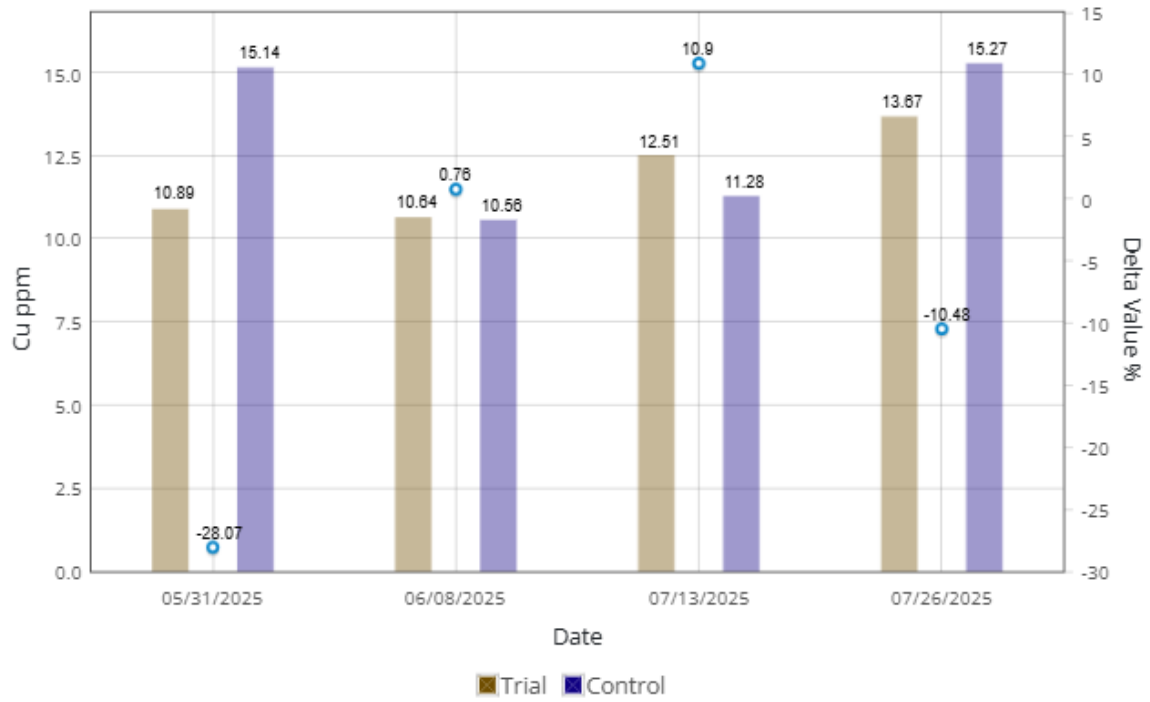
Tissue Sample Comparison - Sulfur



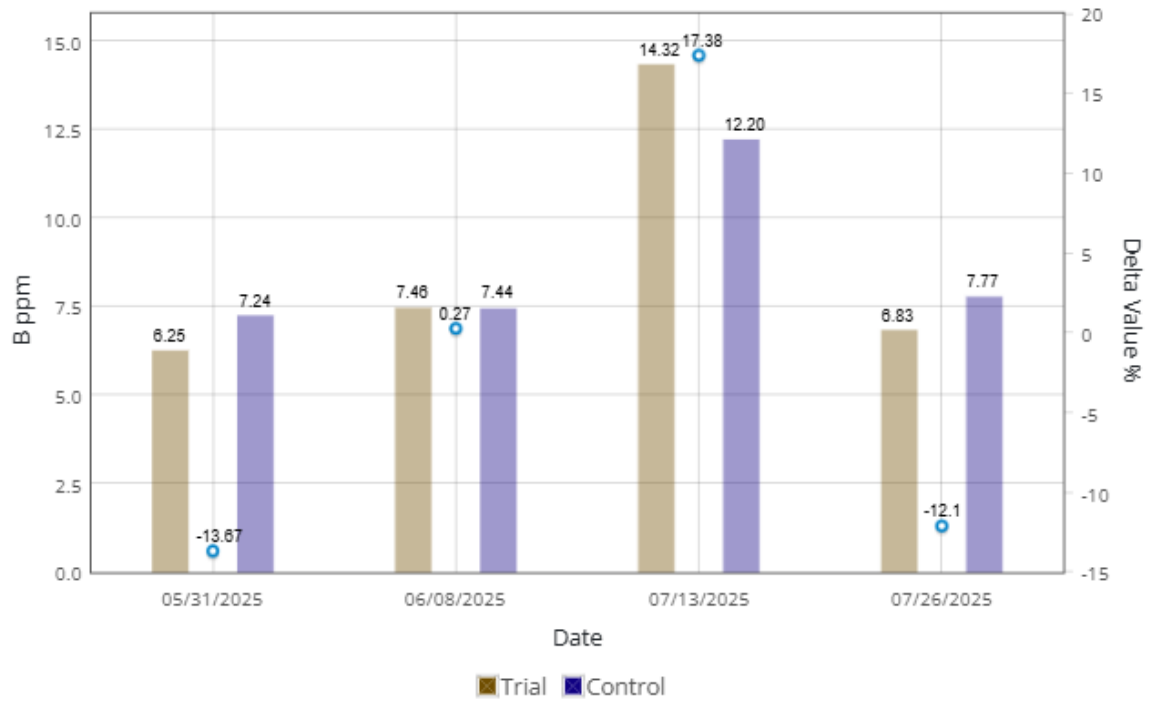
Tissue Sample Comparison - Manganese



Tissue Sample Comparison - Copper

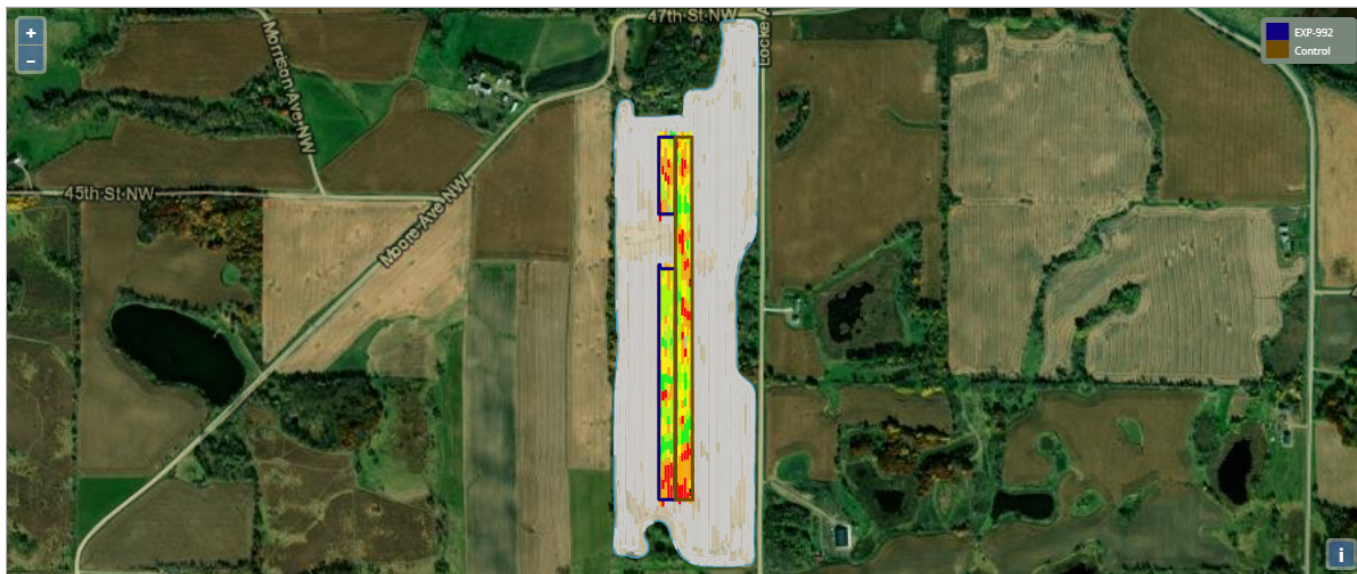


Tissue Sample Comparison - Boron



Yield Results Data

High Level Yield Heat Map

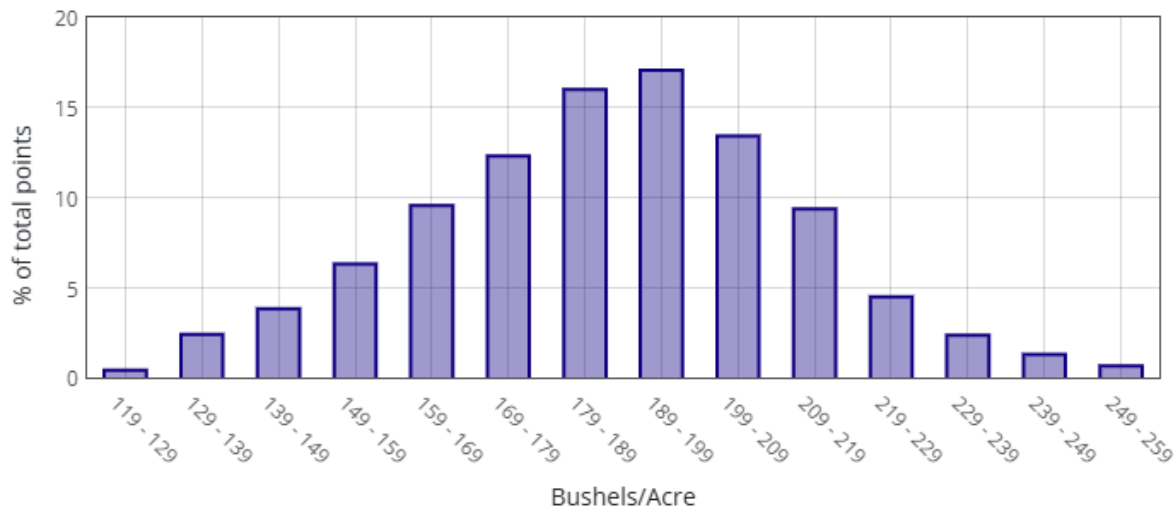


This data was filtered based on -1 / +2.5 St Dev

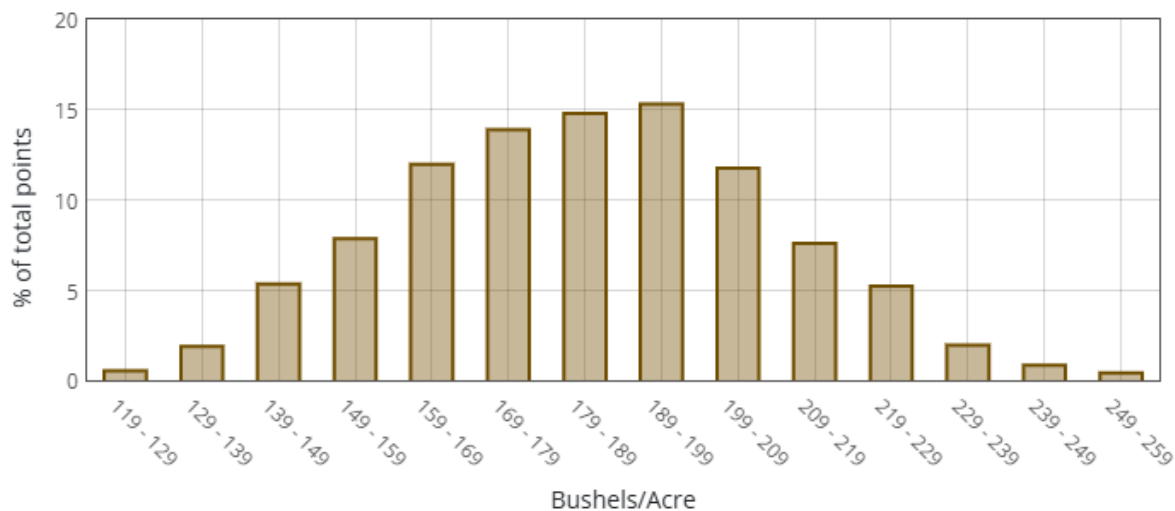
Yield Summary BPA	
Location	Yield
EXP-992	187.69
Control	184.38
Yield Response	3.31

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

EXP-992



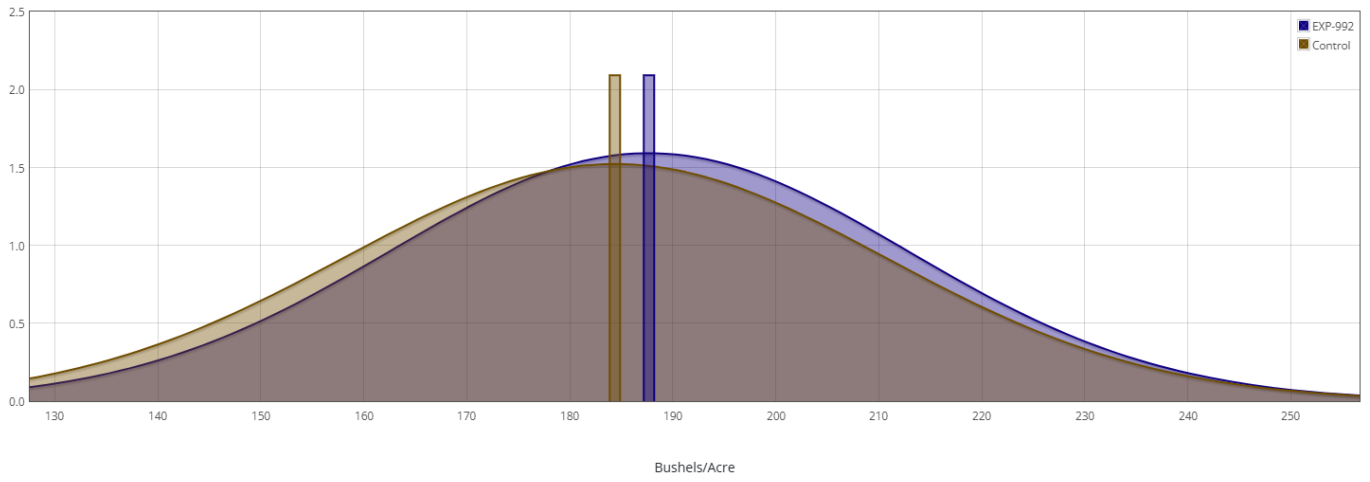
Control





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.



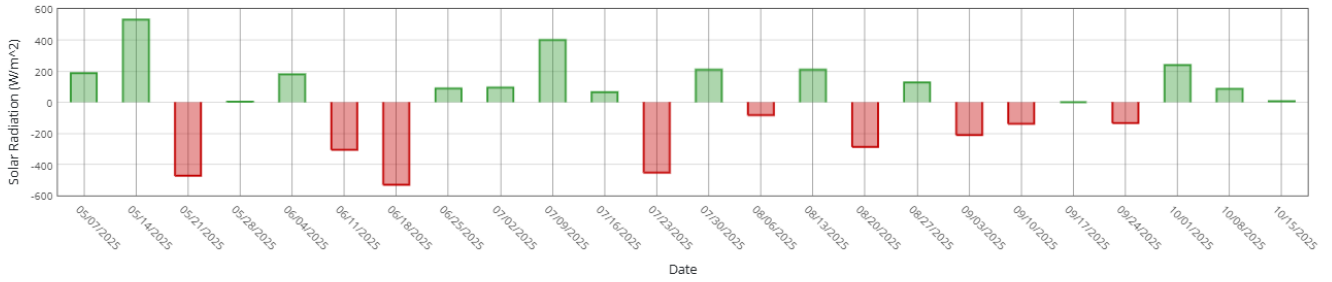
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Trial Location Weather Data vs 5 Yr Avg

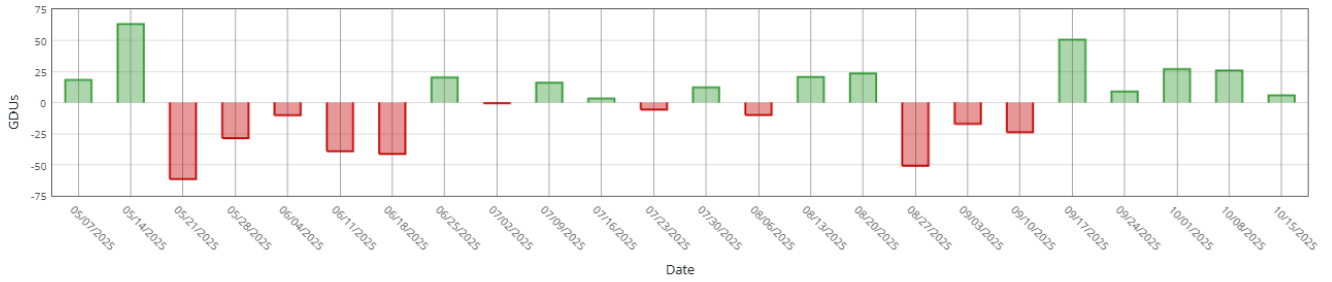
Historical Averages based on past years

Cumulative Week over Week

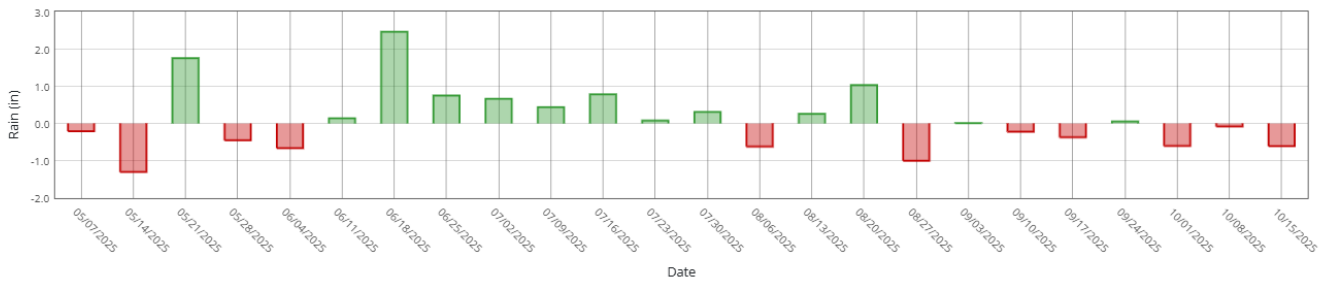
Sunlight



Heat (GDUs)



Rain



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.