

# Product Trial Report

GROWER DETAILS	FIELD DETAILS	PLANTING/HARVEST DETAILS	Total Acre Final Report
<b>Grower:</b>	<b>Total Acres:</b> 240.23	<b>Crop:</b> Soybean	<b>Report Date:</b> 12/10/2024
<b>City &amp; State:</b> Normal, IL	<b>Soil Type:</b> Please see Soil Type Map	<b>Plant Date:</b> 05/06/24 & 05/23/2024	<b>Harvest Year:</b> 2024
<b>Zip Code:</b> 61761	<b>Title:</b> Spot Tile	<b>Harvest Date:</b> 10/13/2024	<b>Crop:</b> Soybean
	<b>Irrigation:</b> None	<b>Variety:</b> AG33XF3	<b>Trial Name:</b> DgradeR Spring Application Trial
	<b>Previous Crop:</b> Corn	<b>Seed Company:</b> Asgrow	<b>Trial Type:</b> Preplant
		<b>Population:</b> 100000	

### Field Map



### Soil Type



**Properties**

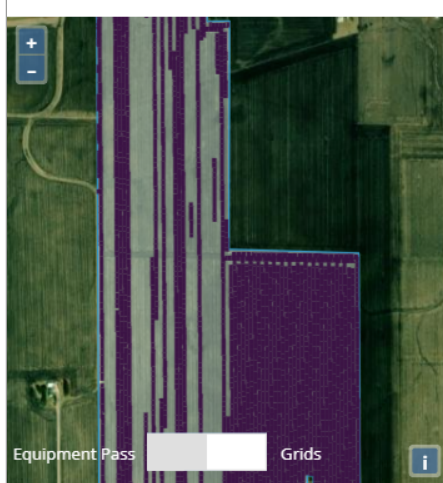
- Silty clay loam
- Silt loam

According to the NRCS [Soil Data Access](#) service, here is the overall breakdown of this field:

Property	Percent
Silt loam	63.2%
Silty clay loam	36.8%

### Planting Map

View Type: By Hybrid



**Primary Hybrid**

- AG 33XF3

Equipment Pass  Grids

### Trial Zones



- Trial (6.36 acres)
- Control (6.68 acres)
- Undefined



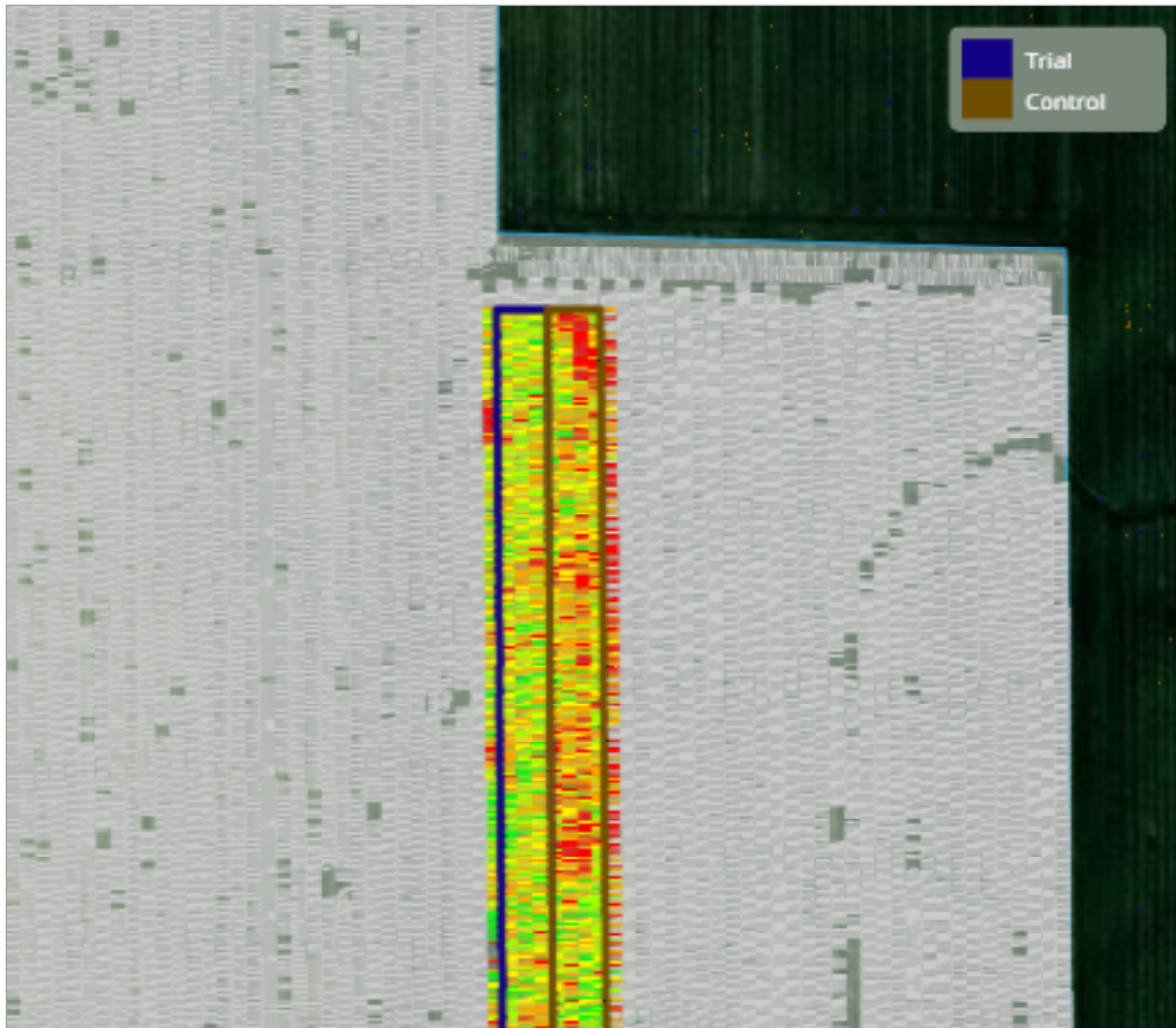
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## Tissue Results Data

Date	GDU	Water	Tissue Site	Nitrogen	Phosphorus	Potassium	Magnesium	Calcium	Sulfur	Zinc	Manganese	Copper	Iron	Boron	Aluminum	Molybdenum	Sodium
06/17/2024	509	-	DgradeR 5/6	5.55 %	0.44 %	2.26 %	0.37 %	1.03 %	0.31 %	44.94 ppm	68.05 ppm	14.69 ppm	321.37 ppm	45.35 ppm		0.32 ppm	0.55 ppm
			DgradeR 5/6 check	5.66 %	0.5 %	2.45 %	0.52 %	1.28 %	0.38 %	51.41 ppm	64.14 ppm	12.55 ppm	225.37 ppm	56.26 ppm		0.08 ppm	0.69 ppm
07/08/2024	1031	1.4 in	DgradeR 5/6	6.11 %	0.42 %	2.13 %	0.34 %	1.08 %	0.32 %	54.88 ppm	64.21 ppm	9.31 ppm	285.75 ppm	60.31 ppm		0.81 ppm	0.86 ppm
			DgradeR 5/6 check	6.18 %	0.4 %	2.53 %	0.35 %	1.08 %	0.31 %	41.58 ppm	44.53 ppm	8.69 ppm	186.51 ppm	56.3 ppm		0.88 ppm	0.64 ppm
08/12/2024	1841	3.3 in	DgradeR 5/6	5.78 %	0.39 %	2.19 %	0.34 %	1.21 %	0.31 %	49.38 ppm	52.91 ppm	9.73 ppm	159.95 ppm	60.85 ppm		0.57 ppm	0.09 ppm
			DgradeR 5/6 check	5.58 %	0.37 %	1.9 %	0.32 %	1.59 %	0.31 %	52.99 ppm	69.84 ppm	10.39 ppm	163 ppm	60.32 ppm		0.09 ppm	471.31 ppm

# Yield Results Data

## High Level Yield Heat Map



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

Yield Summary BPA	
<i>Location</i>	<i>Yield</i>
Trial	90
Control	88.55
<b>Yield Response</b>	1.45

Yield Values	
<span style="color: red;">●</span>	71.6 - 84.1
<span style="color: orange;">●</span>	84.1 - 87.6
<span style="color: yellow;">●</span>	87.6 - 89.9
<span style="color: lightgreen;">●</span>	89.9 - 93.4
<span style="color: green;">●</span>	93.4 - 129.2



## Product Trial Report

### **Product Trial Comments:**

This trial had a +1.45 bushel/acre yield response for the May 6th plant date location using the -1/+2.5 Standard Deviation measurement to tighten yield data points. The May 23rd plant location had a +1.13 bushel/acre yield response using the same Standard Deviation measurement (Trial = 84.29, Control = 83.16) .

### **Application Date and Details:**

**2023 Crop:** Corn

**Application Date:** 4/15/24

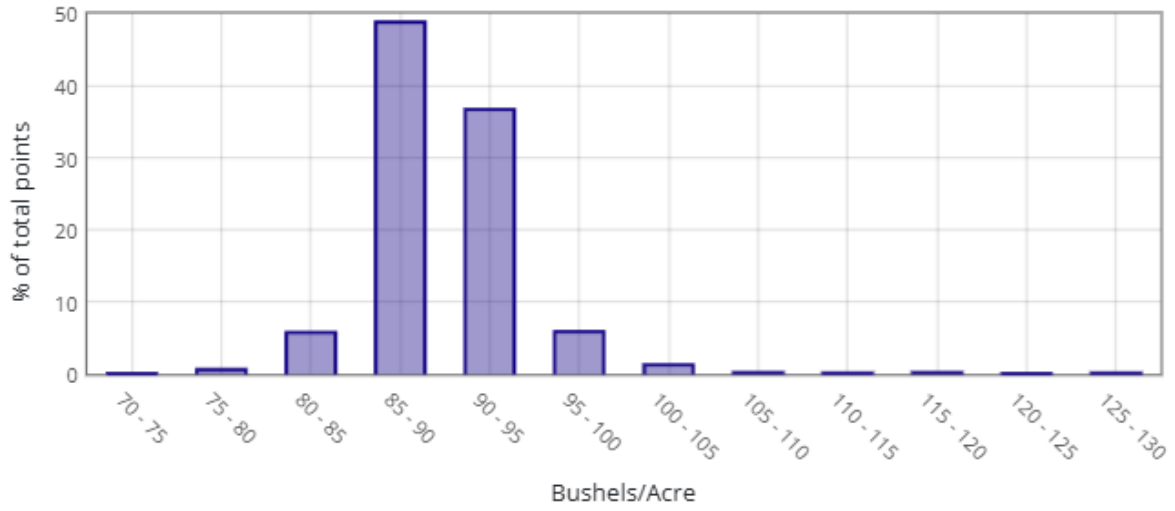
**Application Method:** Sprayer Broadcast

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

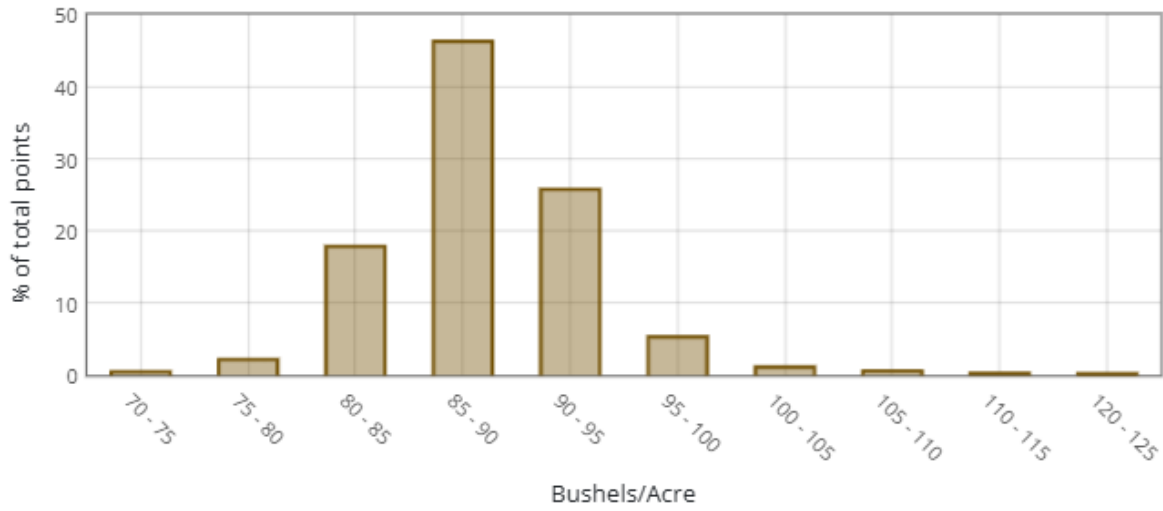
**Tank Mix Rate/Acre:** 12.75 gallons

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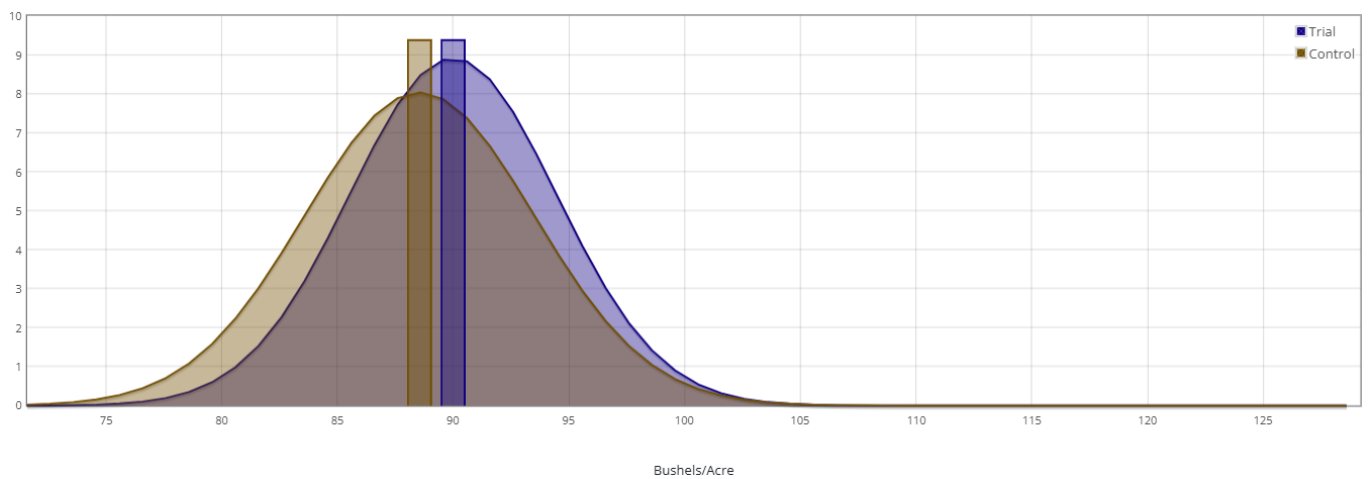
## Trial



## Control



## Normal Curve Distribution





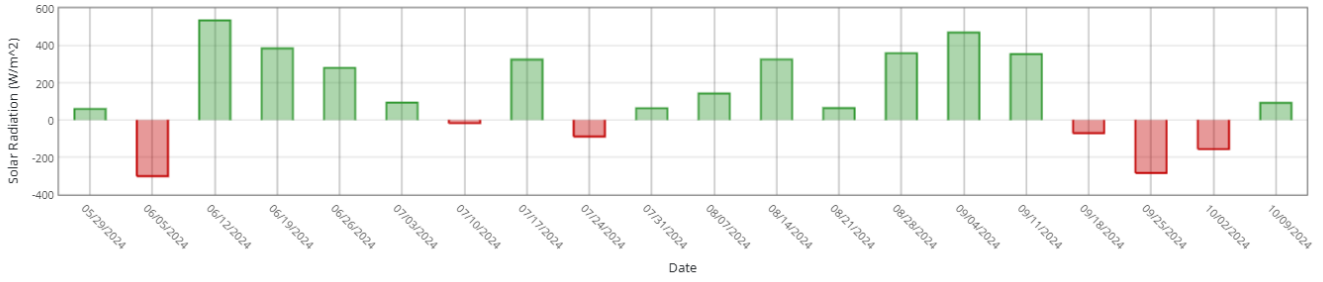
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## Trial Location Weather Data vs 5 Yr Avg

Historical Averages based on past  years

Cumulative  Week over Week

### Sunlight



### Heat (GDUs)



### Rain

