



## Wheat Plant Growth Regulator

Trial ID: 2021-WPGR09 — R.M. of Woodlands

**Objective:** The purpose of this project is to quantify the impact of the plant growth regulator Moddus® (trinexapac-ethyl) on plant height, lodging, yield and quality of spring wheat

### TRIAL INFORMATION

Treatment	Moddus® vs. Untreated
Location	Warren
Previous Crop	Clover
Soil Texture	Fine Loams
Tillage	Conventional Tillage
Planting Date	April 28, 2021
Variety	AAC Starbuck VB
Row Spacing	10"
Seeding Rate	100 lbs/ac
Fertilizer (N-P-K-S)	130N 45P 10K
Application Date	June 13, 2021
Application Timing	GS30 (5L)
Application Rate	30 ac/jug
Harvest Date	August 03, 2021

### PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	36	32	12	14	95
Normal	51	65	55	40	211

†Growing season precipitation (mm) - May 01—Aug 15

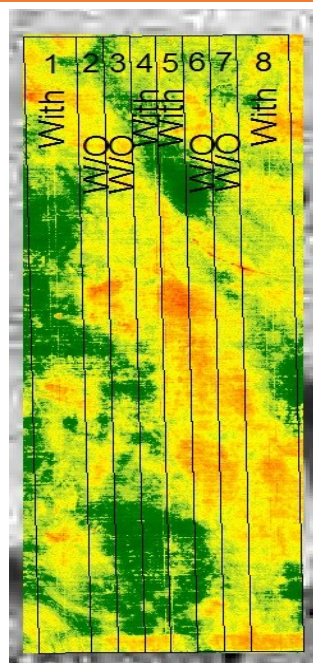
### WHEAT RESPONSE

	Plant Height (cm)	Lodging		Protein %
		Incidence (%)	Severity (1-10)	
Moddus®	72 <sup>A</sup>	0	1	15.7
Untreated	72 <sup>A</sup>	0	1	15.9

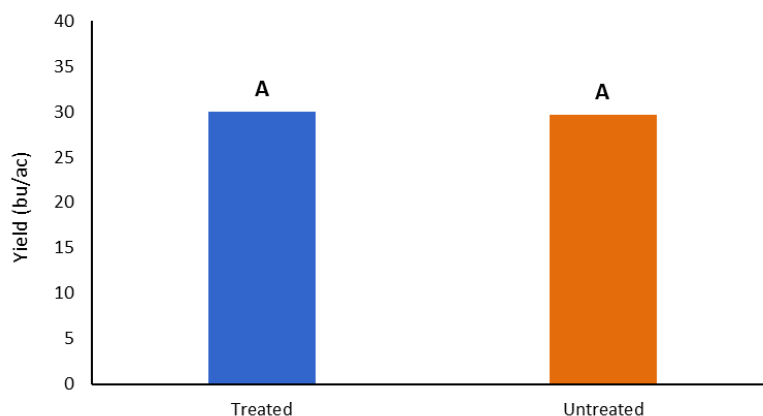
### OVERALL YIELD

	Mean (bu/ac)
Moddus®	30.0 <sup>A</sup>
Untreated	29.7 <sup>A</sup>
Yield Difference	0.3
P-Value	0.6166
CV	2.64%
Significance	No

### FIELD IMAGE



### YIELD BY TREATMENT



**Summary:** There was no significant yield difference between the Moddus® (trinexapac-ethyl) plant growth regulator application and the untreated check. There was no significant reduction in plant height due to the application of the plant growth regulator. There was no lodging observed within the trial. Rainfall was well below normal for the growing season.



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