



## Wheat Plant Growth Regulator

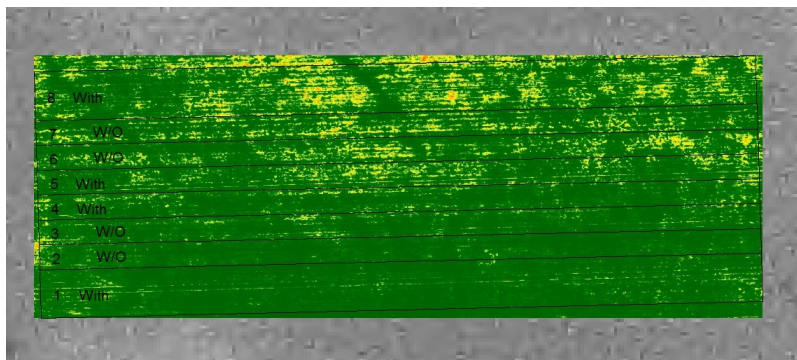
Trial ID: 2021-WPGR05 — R.M. of Ste. Anne

**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	Landmark
Previous Crop	Soybeans
Soil Texture	Clay
Tillage	Conventional Tillage
Planting Date	April 29, 2021
Variety	AAC Brandon
Row Spacing	10"
Seeding Rate	153 lbs/ac
Fertilizer (N-P-K-S)	173N
Application Date	June 04, 2021
Application Timing	GS30 (5L)
Application Rate	30 ac/jug
Harvest Date	August 06, 2021

### FIELD IMAGE



### PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	38	54	14	44	150
Normal	49	65	94	112	320

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

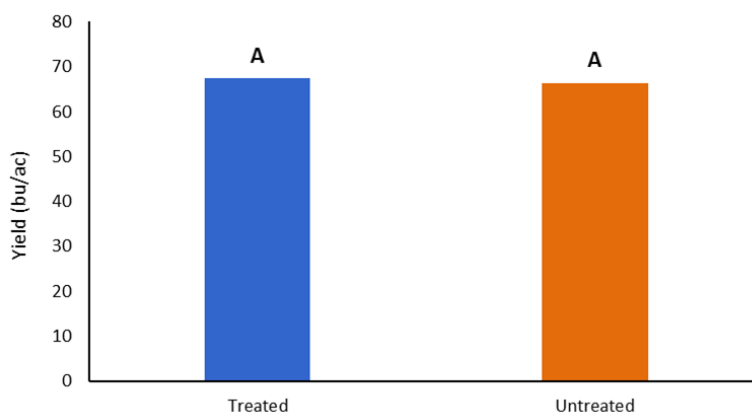
### WHEAT RESPONSE

	Plant Height (cm)	Lodging		Protein %
		Incidence (%)	Severity (1-10)	
Moddus®	71 <sup>A</sup>	0	1	15.1
Untreated	75 <sup>A</sup>	0	1	15.1

### OVERALL YIELD

	Mean (bu/ac)
Moddus®	67.5 <sup>A</sup>
Untreated	66.4 <sup>A</sup>
Yield Difference	1.1
P-Value	0.7073
CV	5.58%
Significance	No

### 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 below normal for the growing season.



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