



## Wheat Plant Growth Regulator

Trial ID: 2021-WPGR03 — R.M. of Ritchot

**Objective:** The purpose of this project is to quantify the impact of the plant growth regulator Omex EZ-GRO K (6-Furfurylaminopurine (Kinetin) on plant height, lodging, yield and quality of spring wheat

### TRIAL INFORMATION

<b>Treatment</b>	Omex EZ-GRO K vs. Untreated
<b>Location</b>	Niverville
<b>Previous Crop</b>	Soybeans
<b>Soil Texture</b>	Clay
<b>Tillage</b>	Conventional Tillage
<b>Planting Date</b>	April 25, 2021
<b>Variety</b>	AAC Starbuck VB
<b>Row Spacing</b>	10"
<b>Seeding Rate</b>	120 lbs/ac
<b>Fertilizer (N-P-K-S)</b>	150N
<b>Application Date</b>	June 07, 2021
<b>Application Timing</b>	GS29 (4L)
<b>Application Rate</b>	40 ac/jug
<b>Harvest Date</b>	August 10, 2021

### PRECIPITATION†

	May	June	July	Aug	Total
<b>Rainfall</b>	18	60	9	17	<b>104</b>
<b>Normal</b>	56	83	64	45	<b>248</b>

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

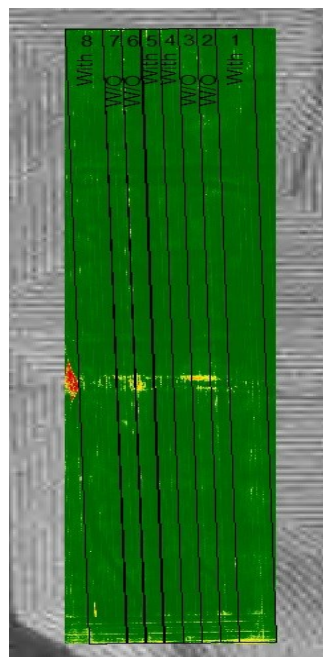
### WHEAT RESPONSE

	Plant Height (cm)	Lodging		Protein %
		Incidence (%)	Severity (1-10)	
<b>Omex EZ-GRO K</b>	73 <sup>A</sup>	0	1	14.0
<b>Untreated</b>	75 <sup>A</sup>	0	1	13.8

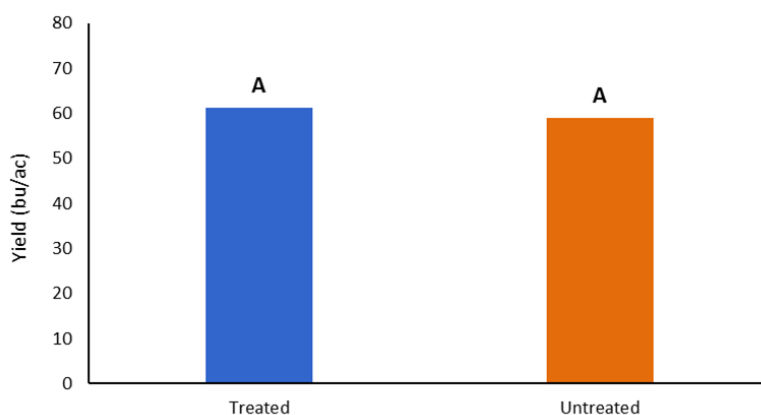
### OVERALL YIELD

	Mean (bu/ac)
<b>Omex EZ-GRO K</b>	61.2 <sup>A</sup>
<b>Untreated</b>	58.9 <sup>A</sup>
<b>Yield Difference</b>	2.3
<b>P-Value</b>	0.5698
<b>CV</b>	8.31%
<b>Significance</b>	No

### FIELD IMAGE



### YIELD BY TREATMENT



**Summary:** There was no significant yield difference between the Omex EZ-GRO K (6-Furfurylaminopurine (Kinetin) plant growth regulator application and the untreated check. There was no significant reduction in plant height with 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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**MANITOBA  
CROP  
ALLIANCE**

Phone: 204-745-6661  
Website: [mbcropalliance.ca](http://mbcropalliance.ca)  
Email: [hello@mbcropalliance.ca](mailto:hello@mbcropalliance.ca)