



Wheat Plant Growth Regulator

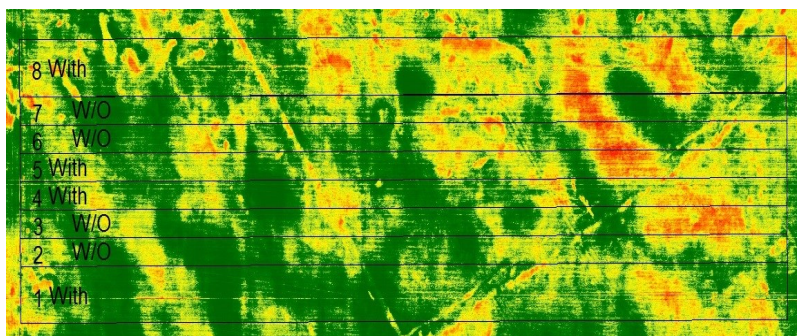
Trial ID: 2021-WPGR11 — R.M. of Westlake-Gladstone

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	Plumas
Previous Crop	Soybeans
Soil Texture	Coarse Loams
Tillage	Conventional Tillage
Planting Date	May 02, 2021
Variety	Bolles
Row Spacing	10"
Seeding Rate	120 lbs/ac
Fertilizer (N-P-K-S)	105N 40P 40K 18S
Application Date	June 14, 2021
Application Timing	GS30 (5L)
Application Rate	30 ac/jug
Harvest Date	August 13, 2021

FIELD IMAGE



PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	15	39	28	38	120
Normal	47	72	58	41	218

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

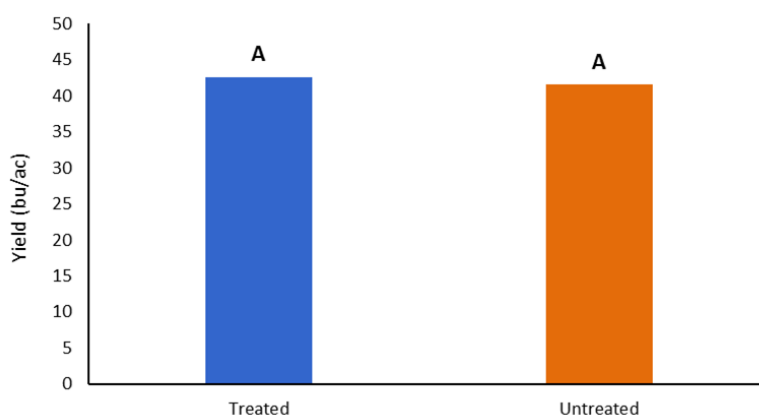
WHEAT RESPONSE

	Plant Height (cm)	Lodging		Protein %
		Incidence (%)	Severity (1-10)	
Moddus®	72 ^A	0	1	15.7
Untreated	74 ^B	0	1	15.9

OVERALL YIELD

	Mean (bu/ac)
Moddus®	42.6 ^A
Untreated	41.6 ^A
Yield Difference	1.0
P-Value	0.2107
CV	2.22%
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 a 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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