



Wheat Plant Growth Regulator

Trial ID: 2021-WPGR08 — R.M. of Dufferin

Objective: The purpose of this project is to quantify the impact of two different plant growth regulators on plant height, lodging, yield and quality of spring wheat

TRIAL INFORMATION

Treatment	Product A vs Product B vs Untreated
Location	Homewood
Previous Crop	Peas
Soil Texture	Clay Loams
Tillage	Conventional Tillage
Planting Date	April 26, 2021
Variety	CDC SKRush
Row Spacing	7.5"
Seeding Rate	121 lbs/ac
Fertilizer (N-P-K-S)	98N 50P 10S
Application Date	June 13, 2021
Application Timing	GS32 (6L)
Application Rate	Product A—30 ac/jug; Product B—0.7 L/ac
Harvest Date	August 03, 2021

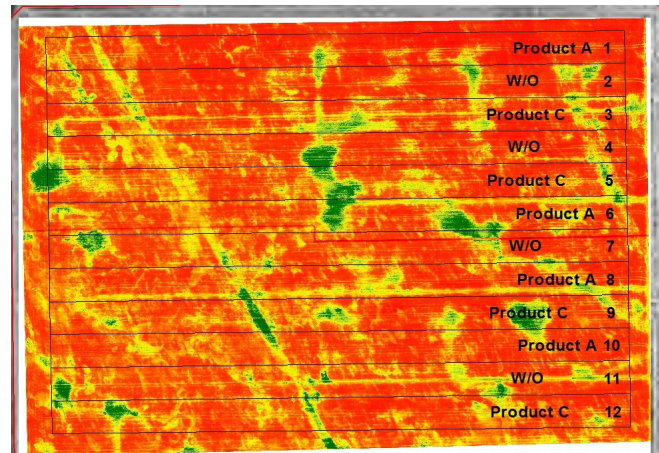
WHEAT RESPONSE

	Plant Height (cm)	Lodging		Protein %
		Incidence (%)	Severity (1-10)	
Product A	31 ^A	0	1	15.9
Product B	37 ^A	0	1	15.2
Untreated	38 ^A	0	1	16.7

OVERALL YIELD

	Mean (bu/ac)
Product A	16.2 ^B
Product B	21.0 ^A
Untreated	17.1 ^B
P-Value	0.0002
CV	4.16%
Significance	Yes

FIELD IMAGE

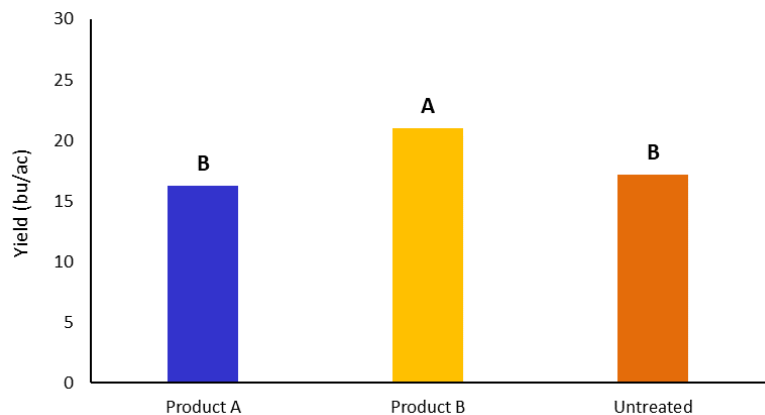


PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	29	104	16	23	173
Normal	53	74	60	50	237

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

YIELD BY TREATMENT



Summary: There was a significant yield difference between Product B vs. Product A plant growth regulator application and the untreated check. There was no significant reduction in plant height with the application of plant growth regulators. There was no lodging observed within the trial. Rainfall was below normal for the growing season.



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