Barley Plant Growth Regulator



Trial ID: 2023-BPGR03 — R.M. of Woodlands

Objective: The purpose of this project is to quantify the agronomic and economic impacts of using a plant growth regulator for plant height, lodging, yield and quality on barley.

Summary: There was a significant reduction in plant height and lodging between the treatments. There was no significant yield or quality differences between the treatments. As a result, there was a decrease in profit equivalent to the increase in cost for the plant growth regulator.

Trial Information

Moddus
GS32—June 13
24 ac/jug
Canola
Conventional Tillage
50' Disc Drill
May 16
120 lbs/ac
CDC Austenson
7.5"
August 31

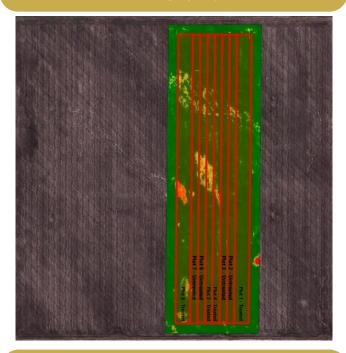
Precipitation[†] (mm)

	May	June	July	Aug	Cumulative
Rainfall	8	61	74	33	176
Normal	60	98	76	68	302
% Normal	14%	62%	97%	49%	58%





NDVI Imagery July 19



Barley Response

	Plant Height (cm)	Lodging Severity (1-9)	Protein (%)	Grade
Treated	65 ^B	1	11.7	2
Untreated	78 ^A	2	11.2	2

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac		
Treated	105.7	\$19.50/ac	-\$19.50/ac		
Untreated	107.5		\$0/ac		
P-Value	0.0992	The state of the s	as not significantly different, there is no increased		
cv	1.03%	income to offset the cost	income to offset the cost of the plant growth regulator.		
Significance	No				

[†]Based on Nov 2023 MSRP of \$833.68/case; represents product only, does not include application cost.



