



Barley Plant Growth Manipulator Trials

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 in barley.

Summary: None of the site-years showed a significant yield difference between the treatments. Three site-years showed that the treated strips had a reduction in crop height, while two site-years had less lodging.

Summary of 2023 barley plant growth manipulator trial yield results by site-year

Trial ID	Rural Municipality	Plant Height			Lodging		Yield		Protein		CV	P-Value	Statistically Significant @ 95%
		Treated	Untreated	Difference	Treated	Untreated	Treated	Untreated	Treated	Untreated			
		cm			1-9 (flat)		bu/ac		%				
BPGR01	Morris	57 ^A	53 ^B	4	1	1	60.5	58.1	12.9	12.5	8.91	0.5638	No
BPGR02	Oakland-Wawanesa	65 ^B	80 ^A	-15	1	1	89.7	98.1	11.2	11.7	3.99	0.1102	No
BPGR03	Woodlands	65 ^B	78 ^A	-13	1	2	105.7	107.5	11.7	11.2	1.03	0.0992	No
BPGR04	MacDonald	55 ^B	64 ^A	-9	1	1	73.5	68.8	10.6	11.2	12.89	0.5169	No
BPGR05	Alexander	87	88	1	1	6	136.1	130.3	12.9	13.5	2.06	0.0595	No



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