



Wheat Seed Treatment

Trial ID: 2022-WST02 — R.M. of Morris

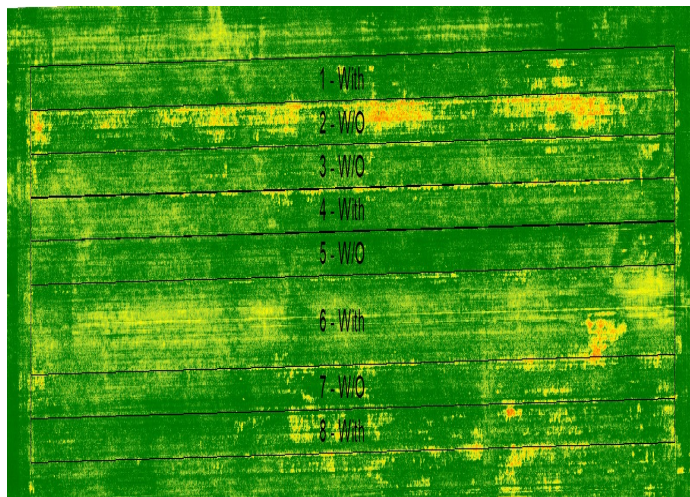
Objective: The purpose of this project is to quantify the agronomic and economic impacts of using a seed treatment on wheat.

Summary: There was no significant yield difference between the treated seed and the untreated check. As a result, there was a decrease in profit equivalent to the increase in seed cost for the treated seed.

Trial Information

Treatment	ViviGro Seed Start A & B
Soil Texture	Clay
Previous Crop	Canola
Tillage	Minimal
Seeding Equipment	60' Disc Drill
Seeding Date	May 26
Seeding Rate	157 lbs/ac
Variety	AAC Brandon
Germination	Treated 97% / Untreated 98%
Row Spacing	10"
Harvest Date	September 03

NDVI Imagery July 24



Wheat Response

	Plants/ft ²	Protein (%)	TWT (kg/hL)	Falling Number	Grade
Treated	49	14.6	82	351	1.0
Untreated	47	14.5	82	326	1.0

Precipitation[†] (mm)

	May	June	July	Aug	Total
Rainfall	120	45	57	55	276
Normal	54	76	66	62	258
% Normal	223%	59%	86%	88%	107%

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

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac
Treated	76.7	\$5/ac	-\$5/ac
Untreated	78.1		\$0/ac
P-Value	0.2304	Economics: Since yield was not significantly different, there is no increased income to offset the cost of the seed treatment.	
CV	1.69%		
Significance	No		

[†]Represents cost of product only.



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