



Wheat Seed Treatment

Trial ID: 2023-WST03 — R.M. of Cartwright-Roblin

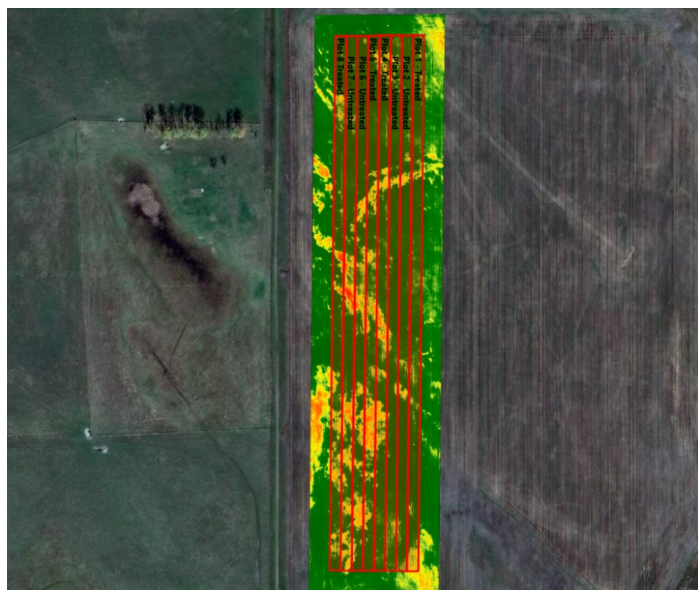
Objective: The purpose of this project is to quantify the agronomic and economic impacts of using a seed treatment on wheat.

Summary: There was not a 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	Quickroots
Soil Texture	Course Loams
Previous Crop	Canola
Tillage	Minimal Tillage
Seeding Equipment	44' Air Drill
Seeding Date	May 19
Seeding Rate	99 lbs/ac
Variety	Accelerate
Germination	Treated 99%
Row Spacing	12"
Harvest Date	August 27

NDVI Imagery July 13



Wheat Response

	Plants/ft ²	Protein (%)	TWT (kg/hL)	Falling Number	Grade
Treated	30	13.5	62	359	2
Untreated	30	13.1	63	383	2

Precipitation[†] (mm)

	May	June	July	Aug	Cumulative
Rainfall	12	29	4	44	89
Normal	75	93	82	73	323
% Normal	16%	32%	5%	60%	27%

[†]Growing season precipitation (mm)

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac
Treated	83.1	\$5/ac	-\$5/ac
Untreated	79.9		\$0/ac
P-Value	0.3657	Economics: Since yield was not significantly different, there is no increased income to offset the cost of the seed treatment.	
CV	5.22%		
Significance	No		

[†]Represents cost of product only.



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**MANITOBA
CROP
ALLIANCE**

Phone: 204-745-6661
Website: mbcropalliance.ca
Email: hello@mbcropalliance.ca