



Wheat Seed Treatment

Trial ID: 2023-WST02 — R.M. of De Salaberry

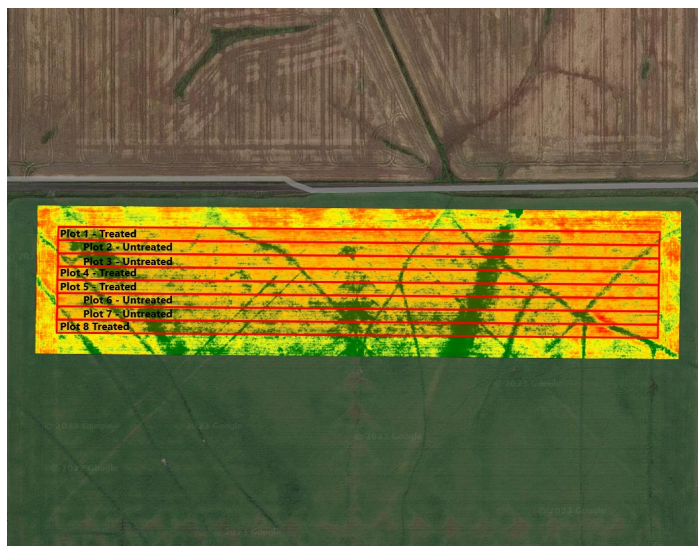
Objective: The purpose of this project is to quantify the agronomic and economic impacts of using a seed treatment on wheat.

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	Insure Cereal FX4
Soil Texture	Clay
Previous Crop	Canola
Tillage	Conventional Tillage
Seeding Equipment	52' Air Drill
Seeding Date	May 10
Seeding Rate	126 lbs/ac
Variety	AAC Brandon
Germination	Treated 99% / Untreated 99%
Row Spacing	10"
Harvest Date	August 18

NDVI Imagery July 20



Wheat Response

	Plants/ft ²	Protein (%)	TWT (kg/hL)	Falling Number	Grade
Treated	25	16.3	63	330	2
Untreated	24	16.2	63	386	2

Precipitation[†] (mm)

	May	June	July	Aug	Cumulative
Rainfall	9	56	59	30	154
Normal	69	102	86	84	340
% Normal	13%	55%	69%	36%	45%

[†]Growing season precipitation (mm)

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac
Treated	18.8	\$5/ac	-\$5/ac
Untreated	18.9		\$0/ac
P-Value	0.3646	Economics: Since yield was not significantly different, there is no increased income to offset the cost of the seed treatment.	
CV	0.30%		
Significance	No		

[†]Represents cost of product only.



MCA would like to thank Tone Ag Consulting Ltd. for the research support and SGS Canada Inc. for quality analysis for this trial.



MANITOBA CROP ALLIANCE

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