



# Wheat Seed Treatment

**Trial ID: 2022-WST01 — R.M. of De Salaberry**

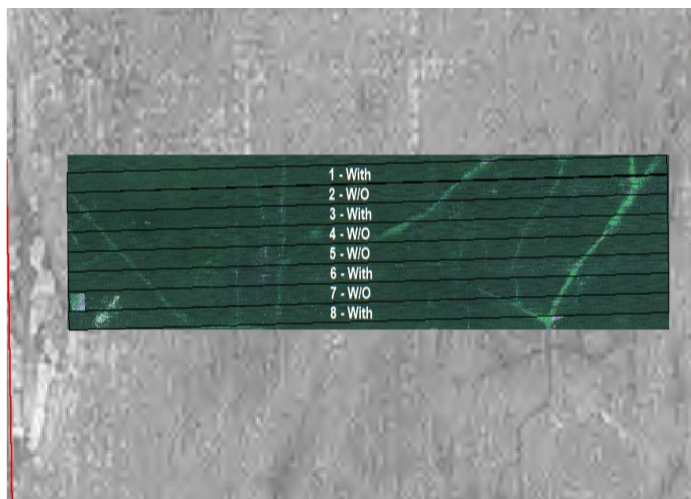
**Objective:** The purpose of this project is to quantify the agronomic and economic impacts of using a seed treatment on wheat.

**Summary:** There was 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	Raxil Pro
Soil Texture	Clay
Previous Crop	Soybeans
Tillage	Conventional
Seeding Equipment	52' Air Drill
Seeding Date	May 26
Seeding Rate	138 lbs/ac
Variety	AAC Brandon
Germination	Treated 96% / Untreated 99%
Row Spacing	10"
Harvest Date	September 10

## RGB Imagery July 24



## Wheat Response

	Plants/ft <sup>2</sup>	Protein (%)	TWT (kg/hL)	Falling Number	Grade
Treated	26	14.4	82	344	1.0
Untreated	24	14.5	82	360	1.0

## Precipitation<sup>†</sup> (mm)

	May	June	July	Aug	Total
Rainfall	77	68	89	123	357
Normal	52	86	63	41	242
% Normal	149%	79%	141%	303%	115%

<sup>†</sup>Growing season precipitation (mm) - May 01—Aug 15

## Overall Yield & Economics

	Mean (bu/ac)	Cost <sup>†</sup>	Change in Profit/ac <sup>††</sup>
Treated	62.9	\$6.44/ac	-\$6.44/ac
Untreated	65.4		\$0/ac
P-Value	0.6212	<b>Economics: Since yield was not significantly different, there is no increased income to offset the cost of the seed treatment.</b>	
CV	9.86%		
Significance	No		

<sup>†</sup>Based on the current cost of a 10L jug at \$31.64; represents 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