



Wheat Seed Treatment

Trial ID: 2023-WST01 — R.M. of Wallace-Woodworth

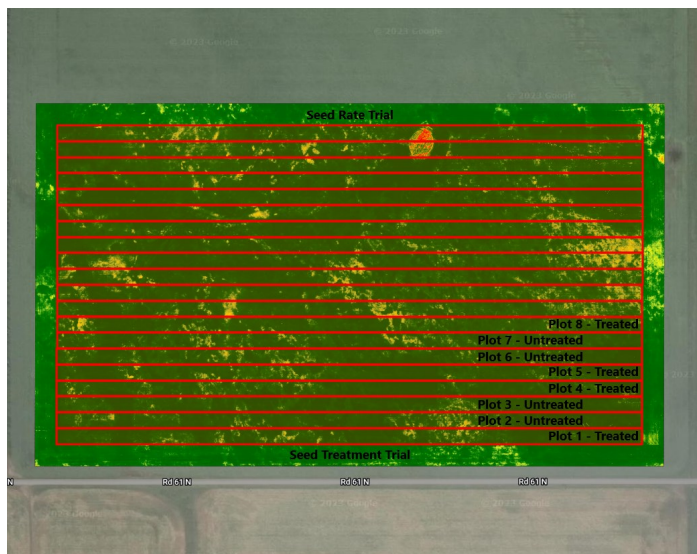
Objective: The purpose of this project is to quantify the agronomic and economic impacts of using a seed treatment on wheat.

Summary: There was a significant yield difference between the treated seed and the untreated check. As a result, there was an increase in profit equivalent to the increase in seed cost for the treated seed.

Trial Information

Treatment	Insure Cereal FX4
Soil Texture	Fine Loams
Previous Crop	Soybeans
Tillage	Zero Till
Seeding Equipment	60' Air Drill
Seeding Date	May 09
Seeding Rate	100 lbs/ac
Variety	AAC Wheatland VB
Germination	Treated 93% / Untreated 92%
Row Spacing	12"
Harvest Date	August 29

NDVI Imagery July 12



Wheat Response

	Plants/ft ²	Protein (%)	TWT (kg/hL)	Falling Number	Grade
Treated	24	13.9	65	339	2
Untreated	23	13.9	66	346	2

Precipitation[†] (mm)

	May	June	July	Aug	Cumulative
Rainfall	22	92	38	24	177
Normal	54	82	67	62	265
% Normal	41%	112%	57%	39%	67%

[†]Growing season precipitation (mm)

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac
Treated	94.1 ^A	\$5/ac	+ \$5/ac
Untreated	91.7 ^B		\$0/ac
P-Value	0.0216	Economics: Since yield was significantly different, there is an increased income to offset the cost of the seed treatment.	
CV	0.84%		
Significance	Yes		

[†]Represents cost of product only.



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