



Barley Seed Treatment

Trial ID: 2023-BST01 — R.M. of Morris

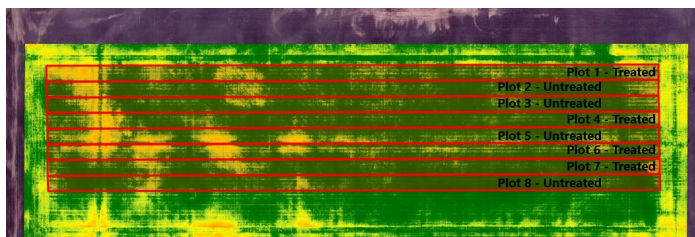
Objective: The purpose of this project is to quantify the agronomic and economic impacts of using a seed treatment on barley.

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	EcoTea™ Dry & Liquid Seed Dressing
Soil Texture	Clay
Previous Crop	Canola
Tillage	Conventional Tillage
Seeding Equipment	60' Disc Drill
Seeding Date	May 13
Seeding Rate	105 lbs/ac
Variety	AAC Synergy
Germination	Treated 95% / Untreated 96%
Row Spacing	10"
Harvest Date	August 18

NDVI Imagery July 17



Barley Response

	Plants/ft ²	Protein (%)	TWT (kg/hL)	Grade
Treated	17	12.9	63	1
Untreated	18	13.0	63	1.0

Precipitation[†] (mm)

	May	June	July	Aug	Total
Rainfall	10	22	60	22	114
Normal	56	98	82	70	305
% Normal	18%	23%	73%	31%	37%

[†]Growing season precipitation (mm)

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac
Treated	60.3	\$5/ac	-\$5/ac
Untreated	59.5		\$0/ac
P-Value	0.6069	Economics: Since yield was not significantly different, there is no increased income to offset the cost of the seed treatment.	
CV	7.36%		
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