



Barley Seed Treatment

Trial ID: 2023-BST02 — R.M. of Sifton

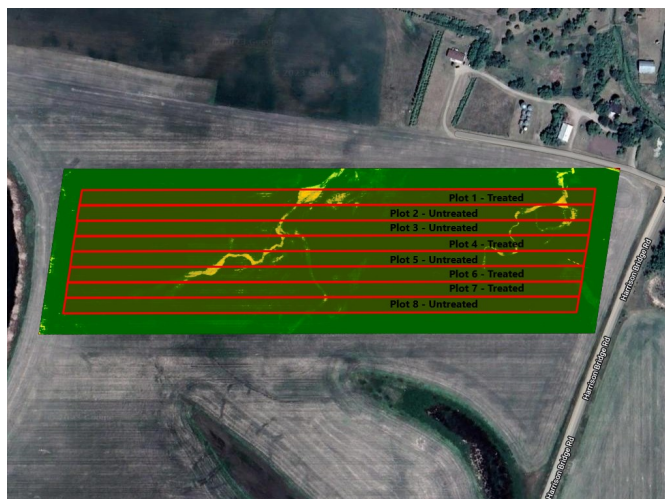
Objective: The purpose of this project is to quantify the agronomic and economic impacts of using a seed treatment on barley.

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	Raxil Pro
Soil Texture	Fine Loams
Previous Crop	Summerfallow
Tillage	Conventional Tillage
Seeding Equipment	60' Hoe Drill
Seeding Date	May 17
Seeding Rate	90 lbs/ac
Variety	AAC Connect
Germination	Treated 94% / Untreated 90%
Row Spacing	12"
Harvest Date	August 29

NDVI Imagery July 12



Barley Response

	Plants/ft ²	Protein (%)	TWT (kg/hL)	Grade
Treated	18	13.0	65	1
Untreated	19	13.5	65	1

Precipitation[†] (mm)

	May	June	July	Aug	Total
Rainfall	10	64	13	25	112
Normal	58	76	78	71	283
% Normal	18%	84%	16%	36%	40%

[†]Growing season precipitation (mm)

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac
Treated	113.4	\$5/ac	-\$5/ac
Untreated	119.7		\$0/ac
P-Value	0.1267	Economics: Since yield was not significantly different, there is no increased income to offset the cost of the seed treatment.	
CV	3.65%		
Significance	No		

[†]Represents cost of product only.



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