Wheat Biological

Trial ID: 2020-WB01 — R.M. of MacDonald

Objective: The purpose of this project is to quantify the impacts of using a biological stimulant in wheat.

TRIAL INFORMATION	
Location	Starbuck
Previous Crop	Soybeans
Soil Texture	Clay
Tillage	Conventional
Planting Date	May 09, 2020
Variety	AAC Brandon
Row Spacing	7.5”
Seeding Rate	115 lbs/ac
Fertilizer (N-P-K-S)	127N 31P
Biological Product	Crop Aid Plus
Application Date	May 09 & June 12, 2020
Application Timing	On-seed & 4L
Harvest Date	August 26, 2020

PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	72	44	90	40	**244**
Normal	61	87	57	93	**298**

†Growing season precipitation (mm)

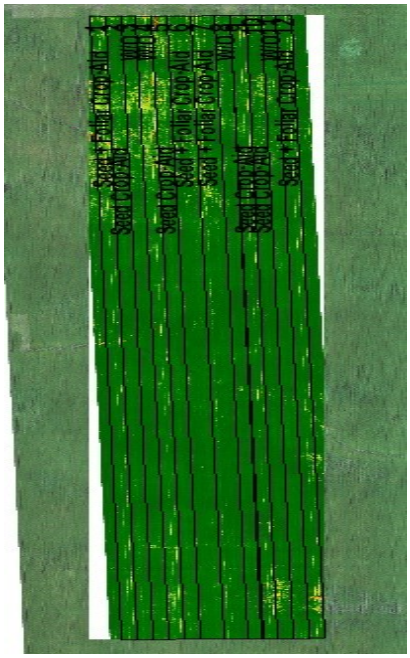
WHEAT RESPONSE

	Plant Stand/ft²	Protein	TWT (kg/hL)	Falling Number
On-seed	9[A]	13.3	81	340
On-seed + Foliar	9[A]	13.7	81	332
Untreated	13[A]	13.3	81	347

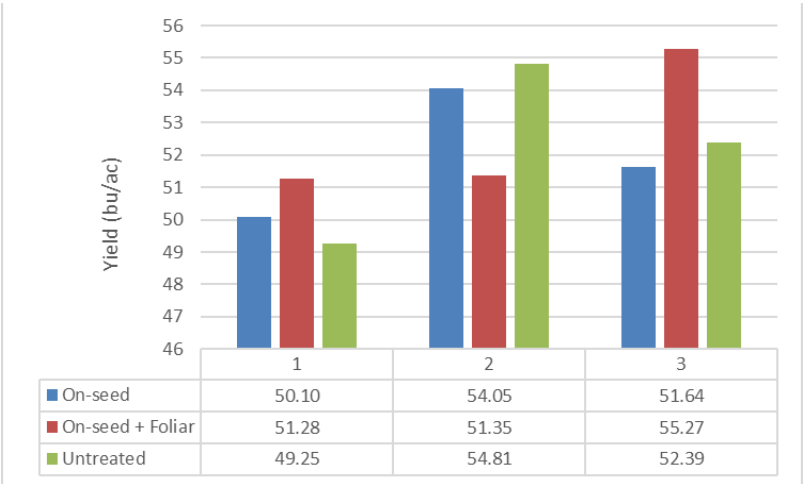
OVERALL YIELD

	Mean (bu/ac)
On-seed	51.9[A]
On-seed + Foliar	52.6[A]
Untreated	52.2[A]
P-Value	0.906
CV	3.99%
Significance	No

FIELD IMAGE



STRIP YIELD



	1	2	3
On-seed	50.10	54.05	51.64
On-seed + Foliar	51.28	51.35	55.27
Untreated	49.25	54.81	52.39

Summary: There was no significant yield differences between the biological product applications versus the untreated check. Wheat quality was #1 grade for CWRS. Plant stand counts were below normal due to poor emergence and heavy rainfall early in growing season. Rainfall was below normal for the entire growing season.

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