

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

TRIAL INFORMATION	
Location	Grunthal
Previous Crop	Barley
Soil Texture	Clay
Tillage	Conventional
Planting Date	May 12, 2020
Variety	AAC Brandon
Row Spacing	10"
Seeding Rate	198 lbs/ac
Fertilizer (N-P-K-S)	100N 20P
Biological Product	SumaGrow
Application Date	June 01, 2020
Application Timing	2L
Harvest Date	August 18, 2020

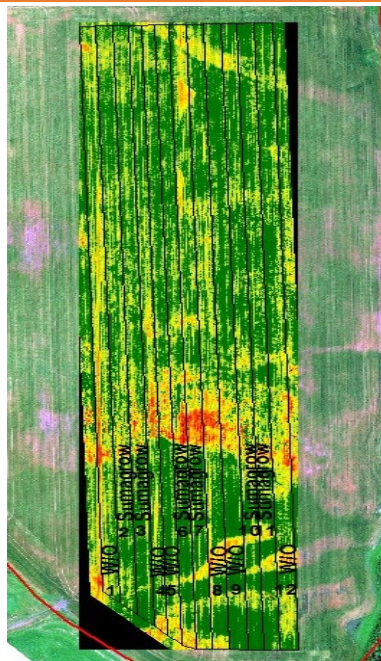
PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	15	105	102	68	290
Normal	56	90	61	61	269

†Growing season precipitation (mm)

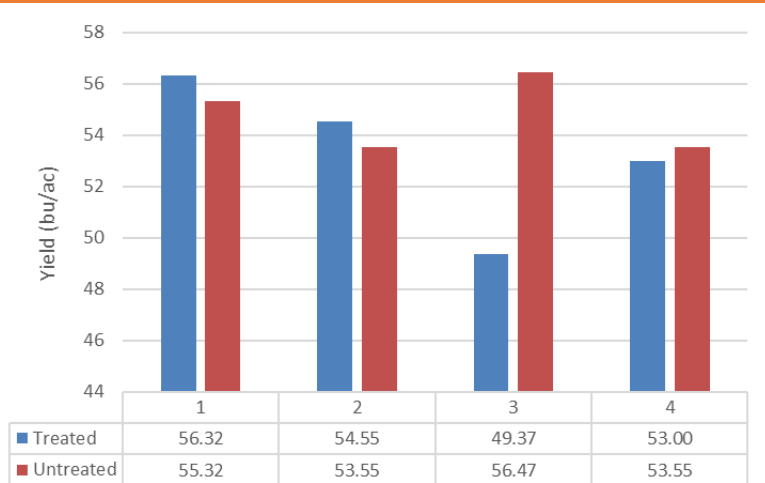
WHEAT RESPONSE				
	Plant Stand/ft ²	Protein	TWT (kg/hL)	Falling Number
Treated	18 ^A	14.1	80	345
Untreated	18 ^A	14.3	80	357

OVERALL YIELD	
	Mean (bu/ac)
Treated	53.3 ^A
Untreated	54.8 ^A
Difference	-1.5
P-Value	0.516
CV	4.22%
Significance	No

FIELD IMAGE



STRIP YIELD



Summary: There was no significant yield difference between the biological product application versus the untreated check. Wheat quality was #2 grade CWRS for both treatments due to low HVK % (< 60% Hard Vitreous Kernels). Rainfall was above normal for the entire growing season.