

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

TRIAL INFORMATION	
Location	Carberry
Previous Crop	Canola
Soil Texture	Clay Loam
Tillage	Zero Tillage
Planting Date	May 20, 2020
Variety	AAC Brandon
Row Spacing	10"
Seeding Rate	105 lbs/ac
Fertilizer (N-P-K-S)	99N
Biological Product	Lignijoule
Application Date	May 20, 2020
Application Timing	Seeding
Harvest Date	September 06, 2020

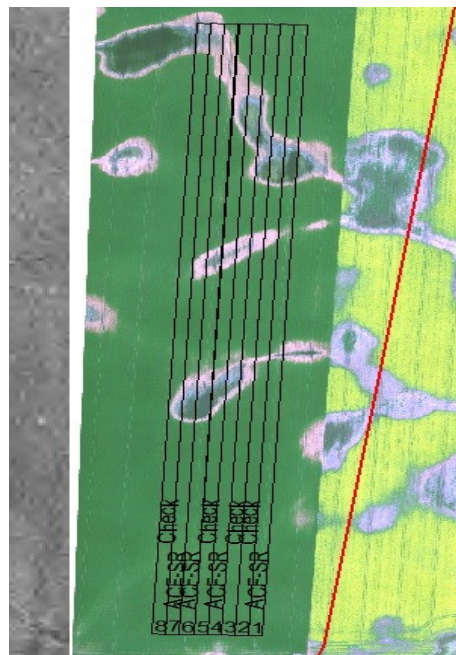
PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	9	44	112	77	242
Normal	54	66	72	103	295

†Growing season precipitation (mm)

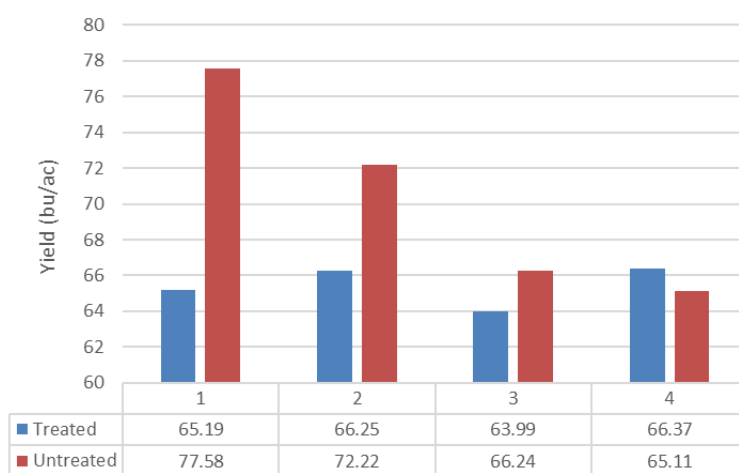
WHEAT RESPONSE				
	Plant Stand/ft ²	Protein	TWT (kg/hL)	Falling Number
Treated	28 ^A	13.1	79	340
Untreated	25 ^A	13.5	80	328

OVERALL YIELD	
	Mean (bu/ac)
Treated	65.5 ^A
Untreated	70.3 ^A
Difference	-4.8
P-Value	0.196
CV	6.83%
Significance	No

FIELD IMAGE



STRIP YIELD



Summary: There was no significant yield difference between the biological product application and the untreated check. Wheat quality was #1 grade for the biological treatment and #2 grade for the untreated check (due to HVK % below threshold). Rainfall was variable, with very little precipitation in May and June and excess in July.