



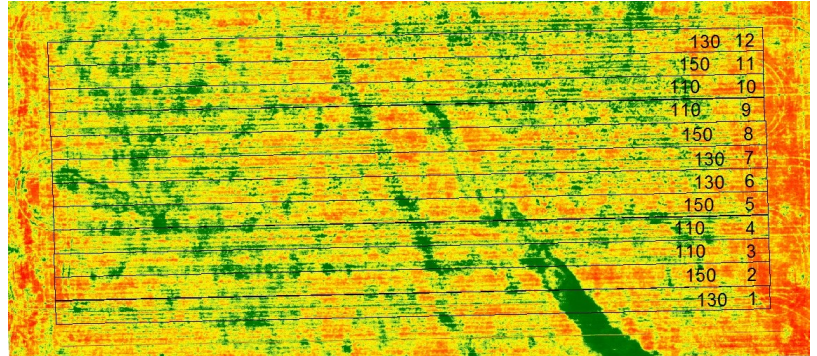
Wheat Seeding Rate

Trial ID: 2021-WP05 — R.M. of MacDonald

Objective: The purpose of this project is to quantify the agronomic and economic impacts of reducing and increasing normal seeding rate in spring wheat.

FIELD IMAGE

TRIAL INFORMATION	
Location	Sanford
Previous Crop	Soybeans
Soil Texture	Clay Loams
Tillage	Conventional Tillage
Planting Date	April 28, 2021
Variety	AAC Starbuck VB
Row Spacing	10"
Seeding Rate (lbs/ac)	110, 130 & 150
Fertilizer (N-P-K-S)	132N 40P
Harvest Date	August 07, 2021



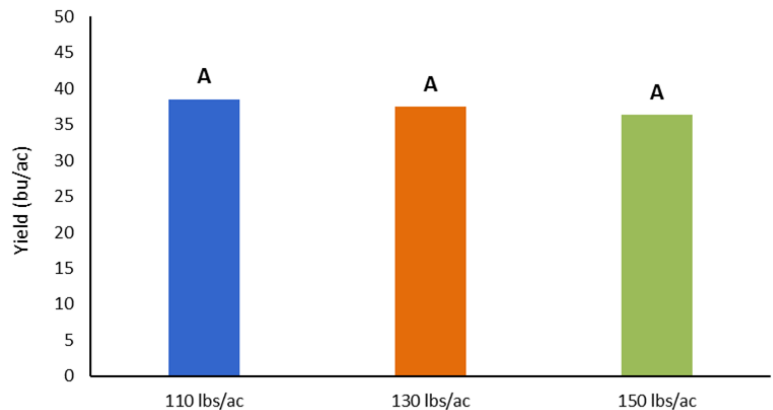
PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	68	57	8	23	156
Normal	57	86	75	38	256

†Growing season precipitation (mm) - May 01—Aug 15

WHEAT RESPONSE				
	Plant Stand/ft ²	Protein	TWT (kg/hL)	Falling Number
110 lbs/ac	26 ^A	16.7	82	370
130 lbs/ac	24 ^A	17.1	82	375
150 lbs/ac	24 ^A	17	82	344

OVERALL YIELD	
	Mean (bu/ac)
110 lbs/ac	38.5 ^A
130 lbs/ac	37.4 ^A
150 lbs/ac	36.4 ^A
P-Value	0.1688
CV	3.74%
Significance	No

YIELD BY TREATMENT



Summary: There was no significant difference in yield between the 110lbs/acre, 130 lbs/acre and 150 lbs/acre seeding rates. There was no significant difference in plant stands between the three seeding rates. Rainfall was below average throughout the growing season.



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