

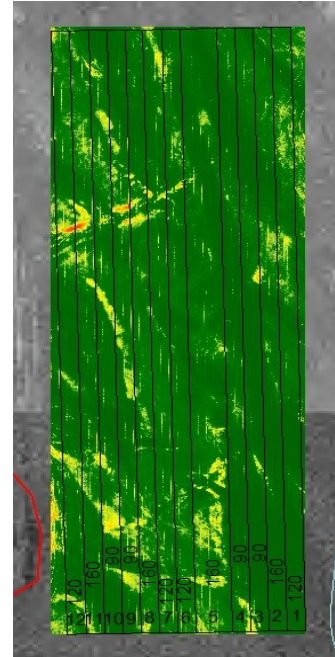


## Wheat Seeding Rate

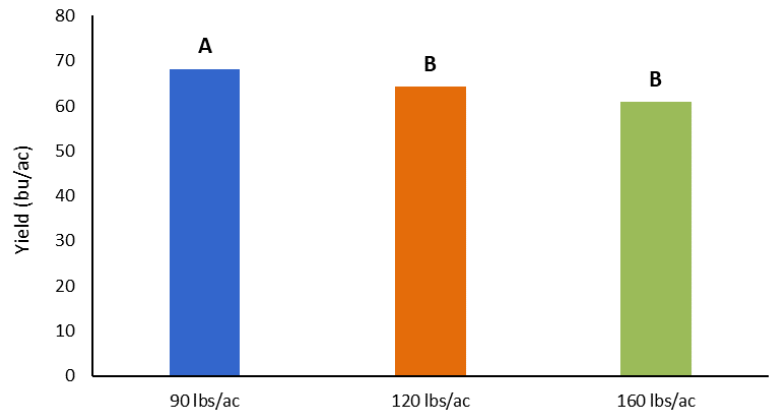
Trial ID: 2021-WP02 — R.M. of Woodlands

**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



### YIELD BY TREATMENT



**Summary:** There was a significant difference in yield between the 90 lbs/acre vs. the 120 lbs/acre and 160 lbs/acre seeding rates. There was no significant difference in plant stands between the three seeding rates. Rainfall was well below average throughout the growing season.

### TRIAL INFORMATION

Location	Marquette
Previous Crop	Canola
Soil Texture	Clay
Tillage	Minimal Tillage
Planting Date	April 09, 2021
Variety	AAC Brandon
Row Spacing	10"
Seeding Rate (lbs/ac)	90, 120 & 160
Fertilizer (N-P-K-S)	4N 20P, Swine manure Fall 2020
Harvest Date	August 14, 2021

### PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	36	32	12	14	95
Normal	51	65	55	40	211

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

### WHEAT RESPONSE

	Plant Stand/ft <sup>2</sup>	Protein	TWT (kg/hL)	Falling Number
90 lbs/ac	25 <sup>A</sup>	16.1	76	360
120 lbs/ac	25 <sup>A</sup>	15.6	76	380
160 lbs/ac	35 <sup>A</sup>	15.2	79	384

### OVERALL YIELD

	Mean (bu/ac)
90 lbs/ac	68.2 <sup>A</sup>
120 lbs/ac	64.3 <sup>B</sup>
160 lbs/ac	60.9 <sup>B</sup>
P-Value	0.0056
CV	3.05%
Significance	Yes



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