

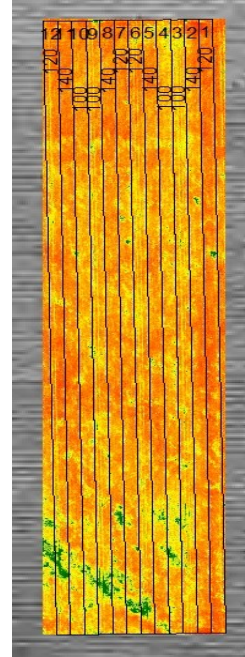


Wheat Seeding Rate

Trial ID: 2021-WP03 — R.M. of Grey

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	Elm Creek
Previous Crop	Soybeans
Soil Texture	Clay Loams
Tillage	Conventional Tillage
Planting Date	April 10, 2021
Variety	AAC Starbuck VB
Row Spacing	7.5"
Seeding Rate (lbs/ac)	100, 120 & 140
Fertilizer (N-P-K-S)	111N 61P 10S 1%Zn
Harvest Date	August 03, 2021

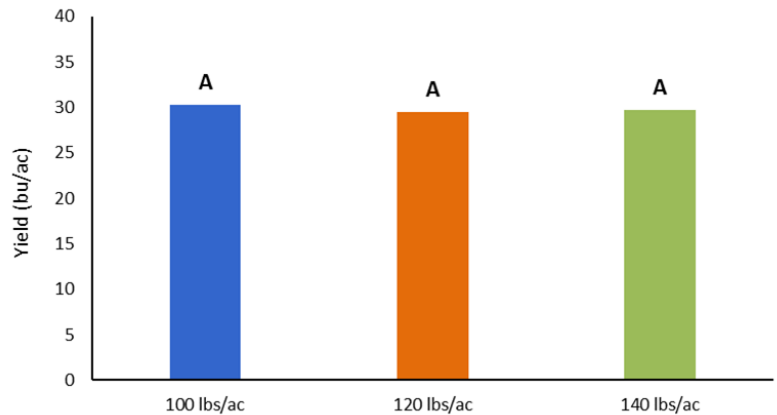
PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	50	71	16	23	160
Normal	53	74	60	48	235

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

WHEAT RESPONSE				
	Plant Stand/ft ²	Protein	TWT (kg/hL)	Falling Number
100 lbs/ac	19 ^A	17.8	81	367
120 lbs/ac	25 ^A	--	--	--
140 lbs/ac	28 ^A	--	--	--

OVERALL YIELD	
	Mean (bu/ac)
100 lbs/ac	30.2 ^A
120 lbs/ac	29.5 ^A
140 lbs/ac	29.7 ^A
P-Value	0.5012
CV	2.96%
Significance	No

YIELD BY TREATMENT



Summary: There was no significant difference in yield between the 100 lbs/acre, 120 lbs/acre and 140 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.



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