

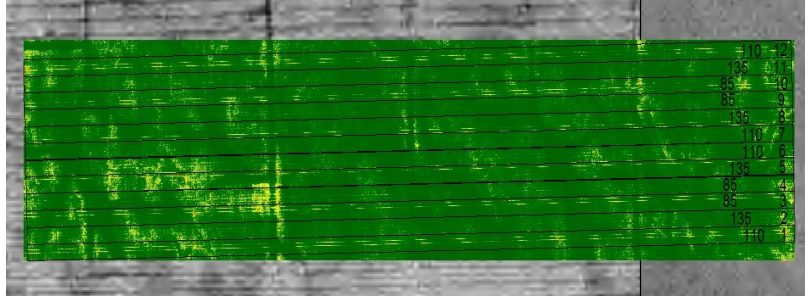


Wheat Seeding Rate

Trial ID: 2021-WP06 — R.M. of Morris

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	Low Farm
Previous Crop	Sunflower
Soil Texture	Clay Loams
Tillage	Conventional Tillage
Planting Date	April 28, 2021
Variety	AAC Starbuck VB
Row Spacing	10"
Seeding Rate (lbs/ac)	85, 110 & 135
Fertilizer (N-P-K-S)	126N 26P
Harvest Date	August 30, 2021

PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	39	49	19	25	132
Normal	51	82	65	46	244

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

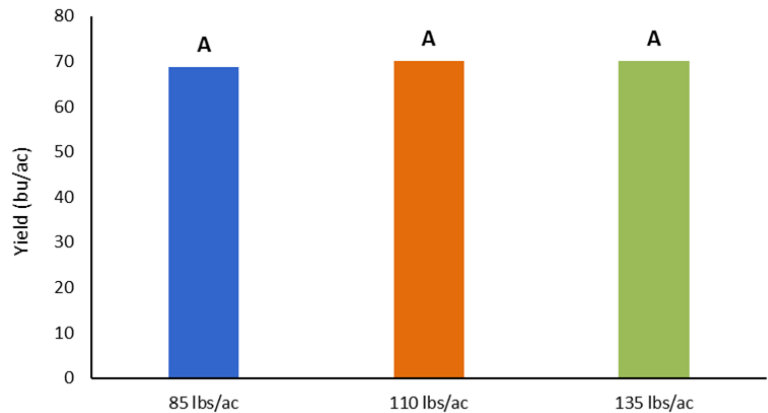
WHEAT RESPONSE

	Plant Stand/ft ²	Protein	TWT (kg/hL)	Falling Number
85 lbs/ac	20 ^B	15.6	77	300
110 lbs/ac	21 ^B	15.6	78	284
135 lbs/ac	28 ^A	16.2	77	280

OVERALL YIELD

	Mean (bu/ac)
85 lbs/ac	68.7 ^A
110 lbs/ac	70.1 ^A
135 lbs/ac	69.1 ^A
P-Value	0.1176
CV	1.17%
Significance	No

YIELD BY TREATMENT



Summary: There was no significant difference in yield between the 85 lbs/acre, 110 lbs/acre and 135 lbs/acre seeding rates. There was a significant difference in plant stands between the 135 lbs/acre vs. the 85 lbs/acre and 110 lbs/acre seeding rates. Rainfall was below average throughout the growing season.



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**MANITOBA
CROP
ALLIANCE**

Phone: 204-745-6661
Website: mbcropalliance.ca
Email: hello@mbcropalliance.ca