

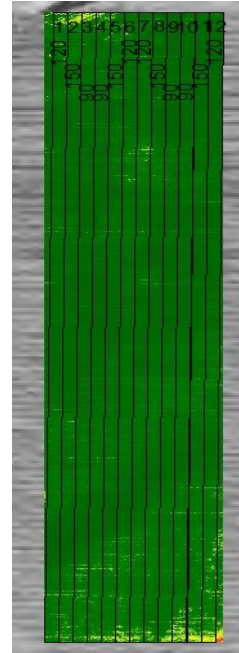


Wheat Seeding Rate

Trial ID: 2021-WP04 — R.M. of Oakland-Wawanesa

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	Wawanesa
Previous Crop	Canola
Soil Texture	Clay Loams
Tillage	Zero Tillage
Planting Date	April 27, 2021
Variety	AAC Wheatland VB
Row Spacing	9"
Seeding Rate (lbs/ac)	90, 120 & 150
Fertilizer (N-P-K-S)	120N 45P 25S
Harvest Date	August 15, 2021

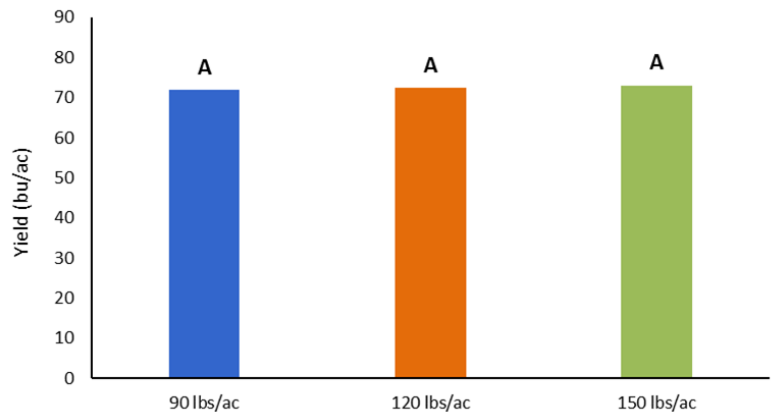
PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	33	71	18	14	135
Normal	49	67	76	26	218

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

WHEAT RESPONSE				
	Plant Stand/ft ²	Protein	TWT (kg/hL)	Falling Number
90 lbs/ac	24 ^B	13.5	83	327
120 lbs/ac	32 ^{AB}	--	--	--
150 lbs/ac	41 ^A	--	--	--

OVERALL YIELD	
	Mean (bu/ac)
90 lbs/ac	71.9 ^A
120 lbs/ac	72.5 ^A
150 lbs/ac	73.0 ^A
P-Value	0.1396
CV	0.96%
Significance	No

YIELD BY TREATMENT



Summary: There was no significant difference in yield between the 90 lbs/acre, 120 lbs/acre and 150 lbs/acre seeding rates. There was a significant difference in plant stands between 90 lbs/acre and 150 lbs/acre seeding rates. Rainfall was below average throughout the growing season.



MCA would like to thank Tone Ag Consulting Ltd. for the research support and SGS Canada Inc. for the wheat quality analysis for this trial.



MANITOBA CROP ALLIANCE

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