



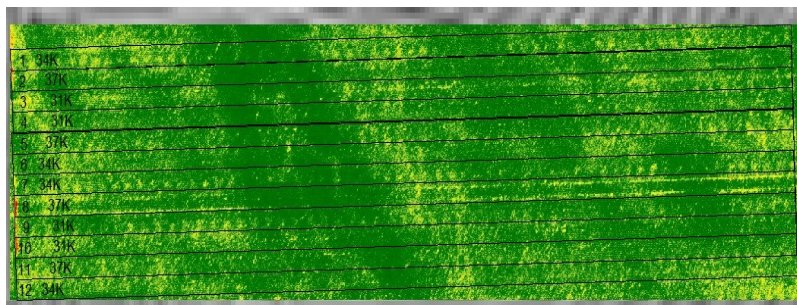
Corn Planting Rate

Trial ID: 2021-CRNP11 — R.M. of Ritchot

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

TRIAL INFORMATION	
Location	Niverville
Previous Crop	Canola
Soil Texture	Clay
Tillage	Conventional Tillage
Planting Date	May 08, 2021
Fertilizer (N-P-K-S)	180N
Variety	P7527AM
Row Spacing	22"
Planting Rate (seeds/ac)	32K, 34K & 37K
Harvest Date	October 22, 2021

FIELD IMAGE



SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
218	30	531	6.2

†Nutrient values prior to spring seeding

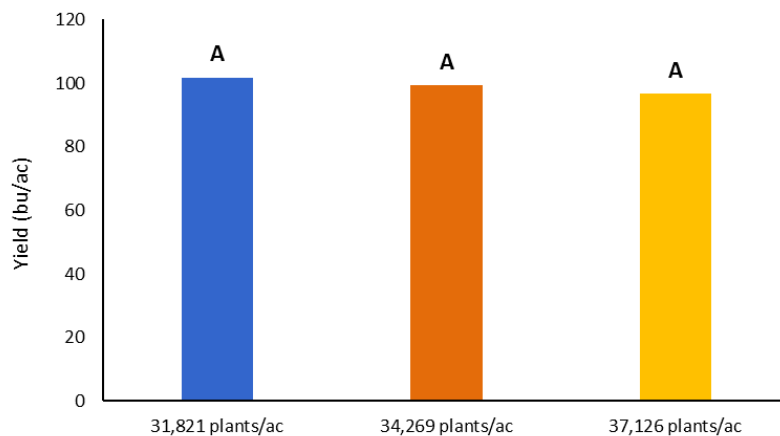
PLANT STAND @ V2			
Planting Rate (seeds/ac)	31,821	34,269	37,126
Plants/acre	29,250	33,000	35,250

PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	18	60	9	95	182
Normal	56	83	64	86	289

†Growing season precipitation (mm) - May 01—Aug 31

OVERALL YIELD	
	Mean (bu/ac)
31,821 plants/ac	101.8 ^A
34,269 plants/ac	99.3 ^A
37,126 plants/ac	96.7 ^A
P-Value	0.7450
CV	9.15%
Significance	No

YIELD BY TREATMENT



Summary: There was no significant difference in yield or plant stands at V2 between the 31,821, 34,269 and 37,126 seeds/acre planting rates. Rainfall was well below average throughout the growing season.



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