



Corn Planting Rate

Trial ID: 2021-CRNP03 — R.M. of Brokenhead

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	Beausejour
Previous Crop	Soybeans
Soil Texture	Clay
Tillage	Conventional Tillage
Planting Date	May 03, 2021
Fertilizer (N-P-K-S)	190N 53P
Variety	P7211AM
Row Spacing	20"
Planting Rate (seeds/ac)	29K, 32K & 35K
Harvest Date	October 22, 2021

SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
56	12	332	5.2

†Nutrient values prior to spring seeding

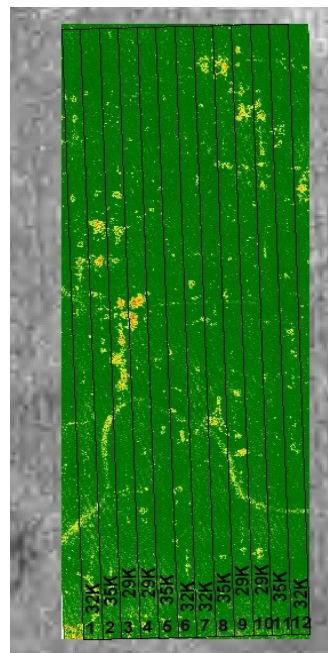
PLANT STAND @ V2			
Planting Rate (seeds/ac)	29,000	32,000	35,000
Plants/acre	26,500	29,000	29,000

PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	52	26	24	91	192
Normal	51	85	71	76	283

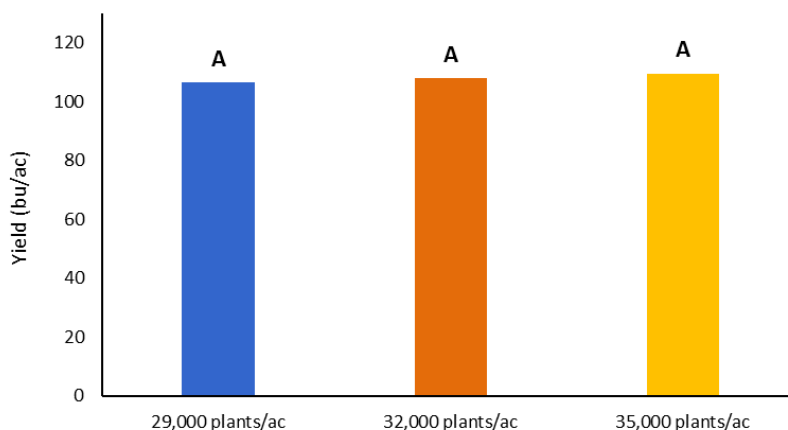
†Growing season precipitation (mm) - May 01—Aug 31

OVERALL YIELD	
	Mean (bu/ac)
29,000 plants/ac	106.5 ^A
32,000 plants/ac	108.0 ^A
35,000 plants/ac	109.5 ^A
P-Value	0.6525
CV	4.17%
Significance	No

FIELD IMAGE



YIELD BY TREATMENT



Summary: There was no significant difference in yield or plant stands at V2 between the 29,000, 32,000 and 35,000 seeds/acre planting rates. Rainfall was well below average throughout the growing season.



MCA would like to thank Tone Ag Consulting Ltd. for the research support for this trial.



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