



## Corn Planting Rate

Trial ID: 2021-CRNP07 — R.M. of Rhineland

**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	Plum Coulee
Previous Crop	Potato
Soil Texture	Coarse Loams
Tillage	Conventional Tillage
Planting Date	May 04, 2021
Fertilizer (N-P-K-S)	120N
Variety	9202-G
Row Spacing	10"
Planting Rate (seeds/ac)	35K, 38K & 41K
Harvest Date	October 26, 2021

SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
338	103	358	3.3

†Nutrient values prior to spring seeding

PLANT STAND @ V2			
Planting Rate (seeds/ac)	35,000	38,000	41,000
Plants/acre	35,000	35,500	34,250

PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	40	43	24	97	205
Normal	59	77	67	77	280

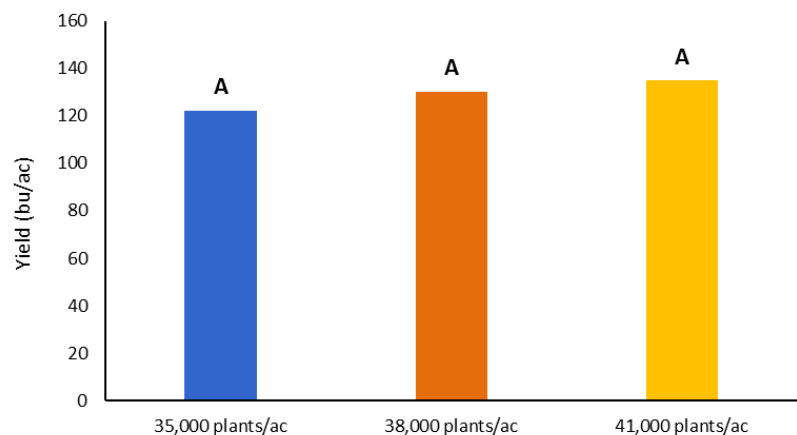
†Growing season precipitation (mm) - May 01—Aug 31

OVERALL YIELD	
	Mean (bu/ac)
35,000 plants/ac	122.3 <sup>A</sup>
38,000 plants/ac	130.3 <sup>A</sup>
41,000 plants/ac	135.0 <sup>A</sup>
P-Value	0.1976
CV	5.45%
Significance	No

## FIELD IMAGE



## YIELD BY TREATMENT



**Summary:** There was no significant difference in yield or plant stands at V2 between the 35,000, 38,000 and 41,000 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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