



## Corn Planting Rate

Trial ID: 2021-CRNP01 — R.M. of Dufferin

**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	Carman
Previous Crop	Wheat
Soil Texture	Coarse Loams
Tillage	Zero Tillage
Planting Date	May 08, 2021
Fertilizer (N-P-K-S)	153N 40P 40K 10S
Variety	A4939G2 R9B
Row Spacing	20"
Planting Rate (seeds/ac)	31K, 34K & 38K
Harvest Date	October 19, 2021

SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
50	8	78	1.6

†Nutrient values prior to spring seeding

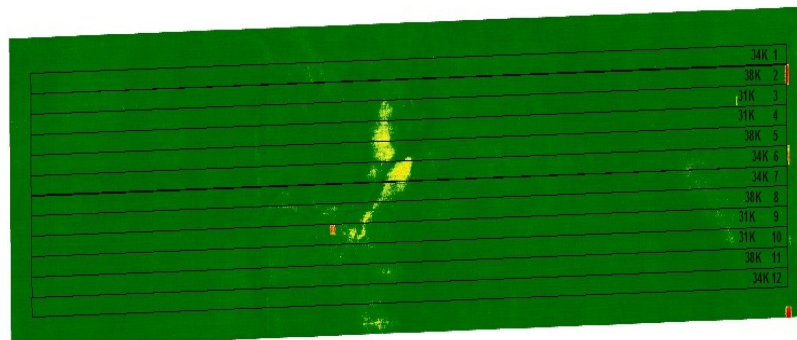
PLANT STAND @ V2			
Planting Rate (seeds/ac)	31,000	34,000	38,000
Plants/acre	31,500	35,000	36,500

PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	29	104	16	79	229
Normal	53	74	60	82	269

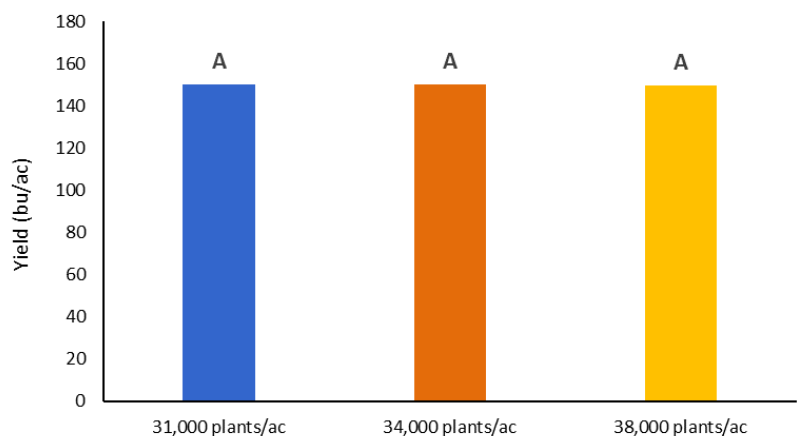
†Growing season precipitation (mm) - May 01—Aug 31

OVERALL YIELD	
	Mean (bu/ac)
31,000 plants/ac	150.2 <sup>A</sup>
34,000 plants/ac	150.0 <sup>A</sup>
38,000 plants/ac	149.5 <sup>A</sup>
P-Value	0.9710
CV	2.53%
Significance	No

## FIELD IMAGE



## YIELD BY TREATMENT



**Summary:** There was no significant difference in yield or plant stands at V2 between the 31,000, 34,000 and 38,000 seeds/acre planting rates. Rainfall was below average throughout the growing season.



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