



## Corn Planting Rate

Trial ID: 2021-CRNP08 — R.M. of North Norfolk

**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	Bagot
Previous Crop	Wheat
Soil Texture	Fine Loams
Tillage	Conventional Tillage
Planting Date	May 05, 2021
Fertilizer (N-P-K-S)	166N 36P 86K 20S
Variety	P7527AM
Row Spacing	30"
Planting Rate (seeds/ac)	29K, 32K & 35K
Harvest Date	October 12, 2021

SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
103	17	277	2.8

†Nutrient values prior to spring seeding

PLANT STAND @ V2			
Planting Rate (seeds/ac)	29,000	32,000	35,000
Plants/acre	27,750	31,750	35,750

PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	52	69	5	97	222
Normal	50	76	64	78	268

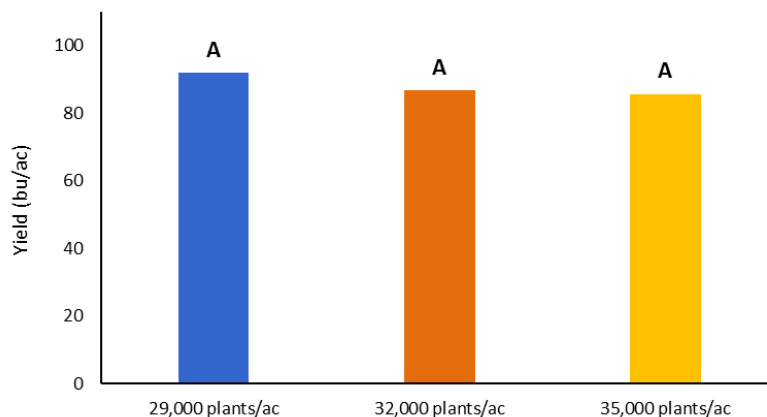
†Growing season precipitation (mm) - May 01—Aug 31

OVERALL YIELD	
	Mean (bu/ac)
29,000 plants/ac	91.9 <sup>A</sup>
32,000 plants/ac	86.7 <sup>A</sup>
35,000 plants/ac	85.7 <sup>A</sup>
P-Value	0.1735
CV	4.88%
Significance	No

## FIELD IMAGE



## YIELD BY TREATMENT



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



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