



Corn Planting Rate

Trial ID: 2021-CRNP04 — 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	MacGregor
Previous Crop	Dry Beans
Soil Texture	Fine Loams
Tillage	Strip Till
Planting Date	May 03, 2021
Fertilizer (N-P-K-S)	138N 40P 60K
Variety	TH6977 VT2P
Row Spacing	30"
Planting Rate (seeds/ac)	31K, 34K & 37K
Harvest Date	October 20, 2021

SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
77	10	164	2.8

†Nutrient values prior to spring seeding

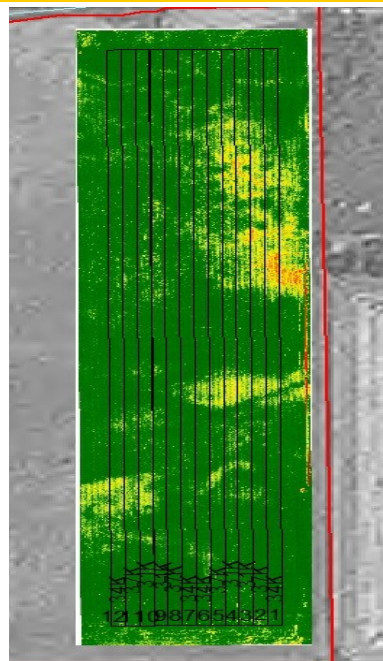
PLANT STAND @ V2			
Planting Rate (seeds/ac)	31,000	34,000	37,000
Plants/acre	26,250	29,250	32,000

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

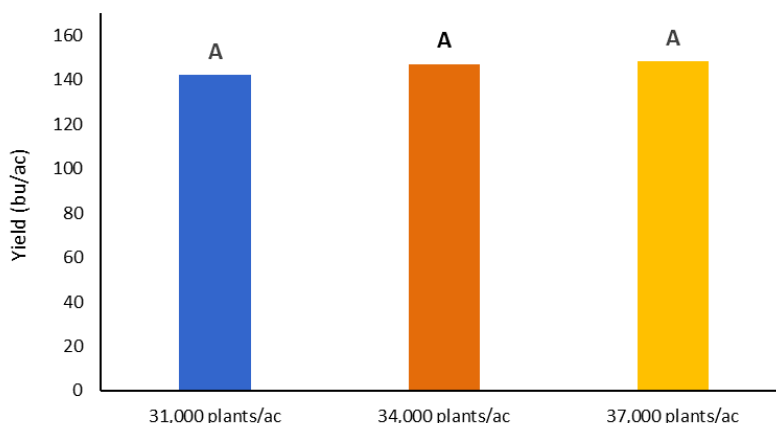
†Growing season precipitation (mm) - May 01—Aug 31

OVERALL YIELD	
	Mean (bu/ac)
31,000 plants/ac	142.3 ^A
34,000 plants/ac	147.2 ^A
37,000 plants/ac	148.2 ^A
P-Value	0.2085
CV	3.02%
Significance	No

FIELD IMAGE



YIELD BY TREATMENT



Summary: There was no significant difference in yield between the 31,000, 34,000 and 37,000 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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