



## Corn Planting Rate

Trial ID: 2021-CRNP10 — 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	Tyndall
Previous Crop	Soybeans
Soil Texture	Clay
Tillage	Conventional Tillage
Planting Date	May 07, 2021
Fertilizer (N-P-K-S)	144N 12P
Variety	DKC26-40RIB
Row Spacing	22"
Planting Rate (seeds/ac)	31K, 34K & 37K
Harvest Date	October 12, 2021

SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
145	19	411	6.8

†Nutrient values prior to spring seeding

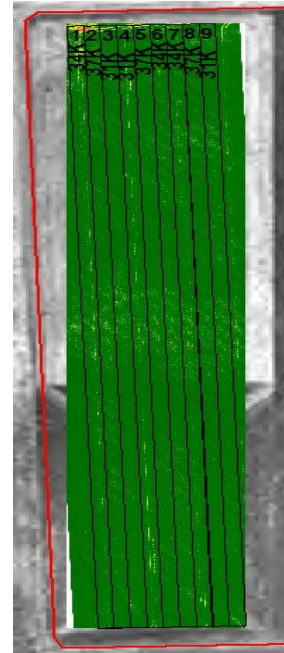
PLANT STAND @ V2			
Planting Rate (seeds/ac)	31,000	34,000	37,000
Plants/acre	30,667	33,667	35,667

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

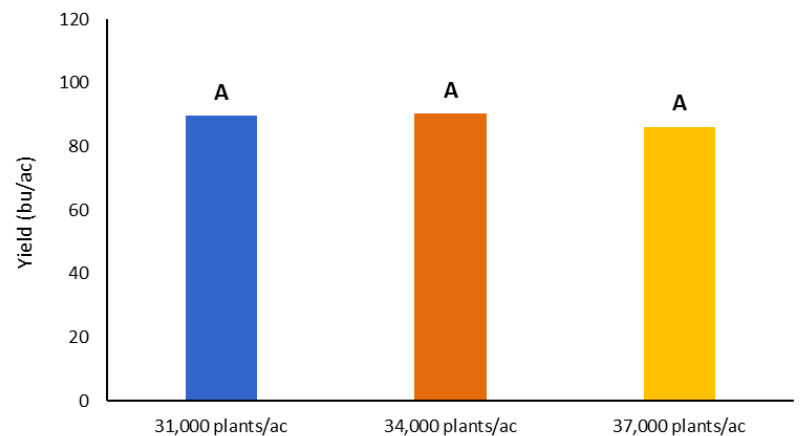
†Growing season precipitation (mm) - May 01—Aug 31

OVERALL YIELD	
	Mean (bu/ac)
31,000 plants/ac	89.7 <sup>A</sup>
34,000 plants/ac	90.2 <sup>A</sup>
37,000 plants/ac	86.1 <sup>A</sup>
P-Value	0.6886
CV	6.80%
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 well below average throughout the growing season.