

## Corn Seed Rate

Trial ID: 2020-CRNP11 — R.M. of Glenboro-South Cypress

**Objective:** The purpose of this project is to quantify the agronomic and economic impacts of reducing and increasing normal seeding rate by 3,000 seeds/ac in corn.

TRIAL INFORMATION	
Location	Glenboro
Previous Crop	Potato
Soil Texture	Coarse Loam
Tillage	Conventional
Planting Date	May 22, 2020
Fertilizer (N-P-K-S)	
Variety	P7227R
Row Spacing	30"
Seed Rate (seeds/ac)	34k vs 31k vs 37k
Harvest Date	October 13, 2020

SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
305	32	312	3.0

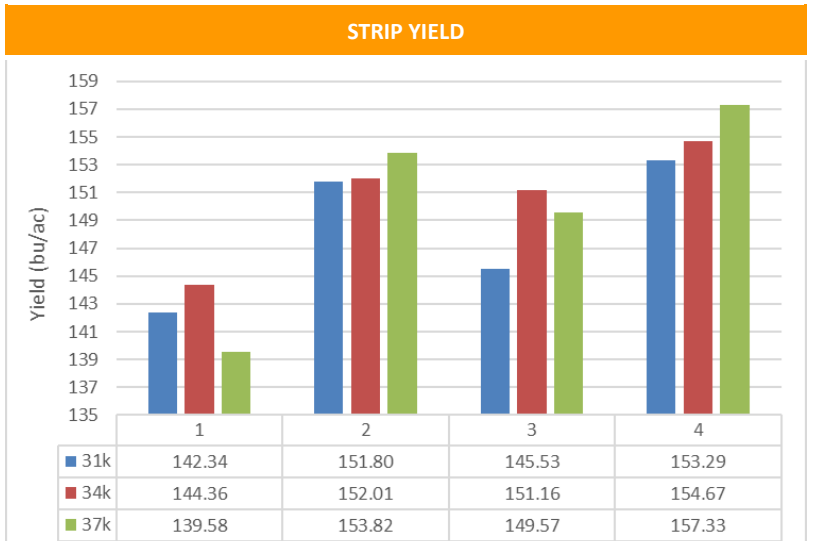
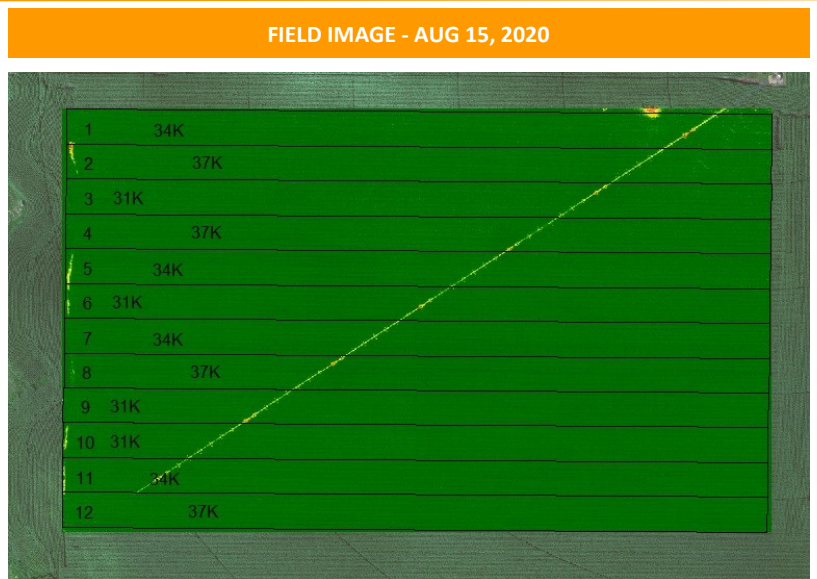
†Nutrient values measured at V2

PLANT STAND @ V2			
Seed Rate (seeds/ac)	31,000	34,000	37,000
Plant stand/ac	27,500 <sup>C</sup>	29,750 <sup>B</sup>	32,250 <sup>A</sup>

PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	10	36	44	65	155
Normal	52	77	63	76	267

†Growing season precipitation (mm)

OVERALL YIELD	
	Mean (bu/ac)
31,000 seeds/ac	148.2 <sup>A</sup>
34,000 seeds/ac	150.6 <sup>A</sup>
37,000 seeds/ac	150.1 <sup>A</sup>
P-Value	0.33825
CV	3.65%
Significance	No



**Summary:** There was no significant difference in yield between the 31,000, 34,000 and 37,000 seeds/acre seeding rates. There was a significant difference in plant stands taken at V2. Overall, rainfall was well below average across the growing season.