

## Corn Seed Rate

Trial ID: 2020-CRNP10 — R.M. of Hanover

**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	Niverville
Previous Crop	Soybeans
Soil Texture	Clay
Tillage	Conventional
Planting Date	May 19, 2020
Fertilizer (N-P-K-S)	161N
Variety	P7527AM
Row Spacing	22"
Seed Rate (seeds/ac)	34.7k vs 31.7k vs 37.7k
Harvest Date	October 17, 2020

SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
259	37	355	6.6

†Nutrient values measured at V2

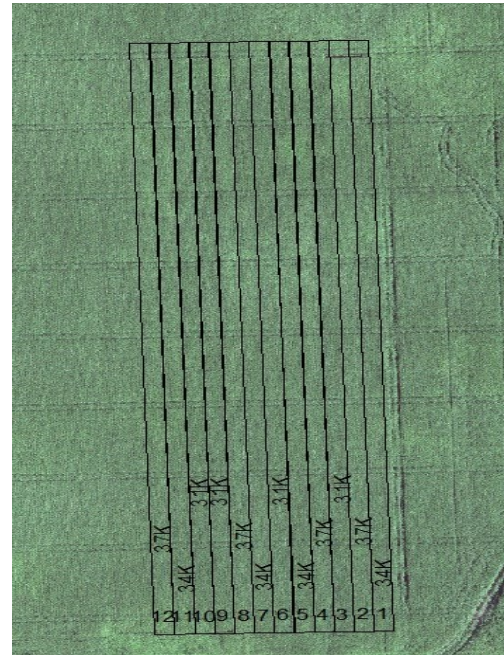
PLANT STAND @ V2			
Seed Rate (seeds/ac)	31,660	34,660	37,660
Plant stand/ac	30,250 <sup>B</sup>	34,000 <sup>A</sup>	36,750 <sup>A</sup>

PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	15	105	102	68	290
Normal	56	90	61	61	269

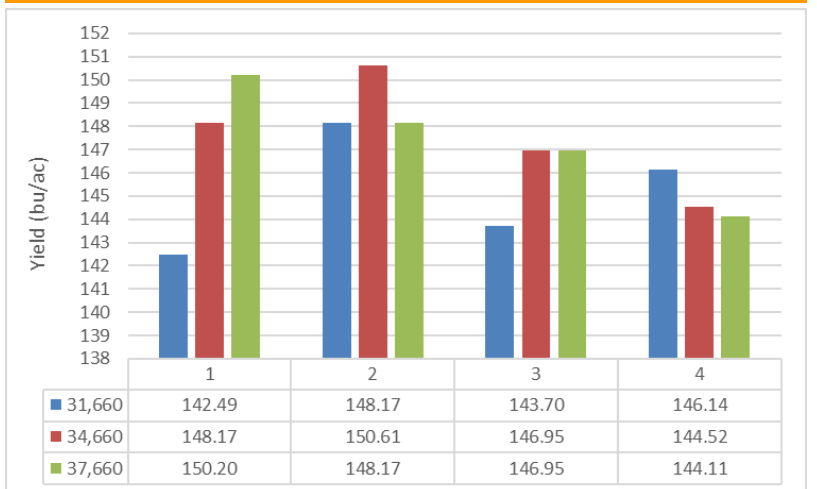
†Growing season precipitation (mm)

OVERALL YIELD	
	Mean (bu/ac)
31,660 seeds/ac	145.1 <sup>A</sup>
34,660 seeds/ac	147.6 <sup>A</sup>
37,660 seeds/ac	147.4 <sup>A</sup>
P-Value	0.311
CV	1.75%
Significance	No

## FIELD IMAGE - AUG 19, 2020



## STRIP YIELD



**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 slightly above average for the growing season.