

Corn Seed Rate

Trial ID: 2020-CRNP02 — R.M. of North Norfolk

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	MacGregor
Previous Crop	Dry Beans
Soil Texture	Sands
Tillage	Conventional
Planting Date	May 11, 2020
Fertilizer (N-P-K-S)	120N 60P 40K 20S
Variety	TH7578 VT2P
Row Spacing	30"
Seed Rate (seeds/ac)	35k vs 32k vs 38k
Harvest Date	October 13, 2020

SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
41	39	114	1.2

†Nutrient values measured at V2

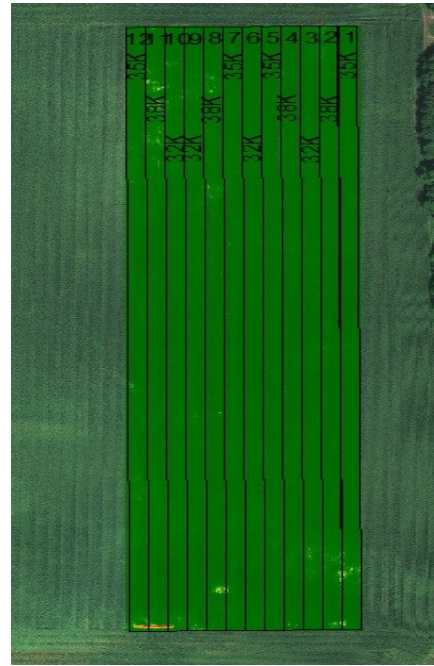
PLANT STAND @ V2			
Seed Rate (seeds/ac)	32,000	35,000	38,000
Plant stand/ac	30,750 ^B	32,500 ^{AB}	35,250 ^A

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

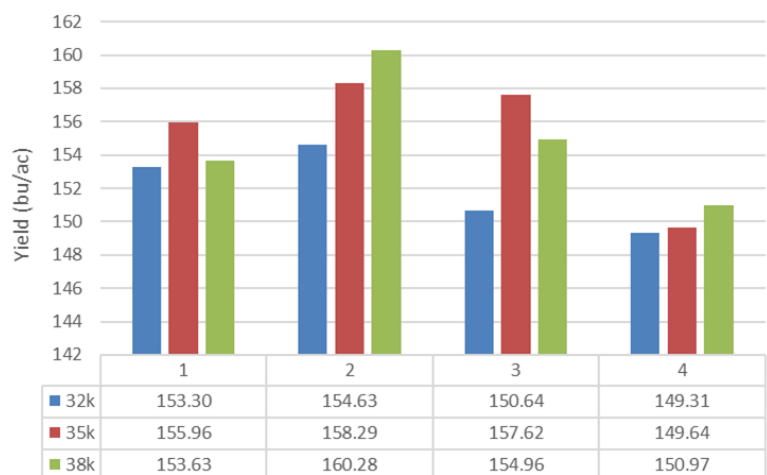
†Growing season precipitation (mm)

OVERALL YIELD	
	Mean (bu/ac)
32,000 seeds/ac	152.0 ^A
35,000 seeds/ac	155.4 ^A
38,000 seeds/ac	155.0 ^A
P-Value	0.0698
CV	2.30%
Significance	No

FIELD IMAGE—AUG 15, 2020



STRIP YIELD



Summary: There was no significant difference in yield between the 32,000, 35,000 and 38,000 seeds/acre seeding rates. There was a significant difference in plant stands taken at V2. Rainfall was well below average throughout the growing season.