Corn Seed Rate

Trial ID: 2020-CRNP01 — 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	Bagot
Previous Crop	Wheat
Soil Texture	Clay Loam
Tillage	Conventional
Planting Date	May 13, 2020
Fertilizer (N-P-K-S)	132N 16P 50K 20S
Variety	P7527AM
Row Spacing	30”
Seed Rate (seeds/ac)	34k vs 31k vs 37k
Harvest Date	October 09, 2020

SOIL PROPERTIES†

N 0-24”	P (ppm)	K (ppm)	% O.M.
94	10	170	2.9

†Nutrient values measured at V2

PLANT STAND @ V2

Seed Rate (seeds/ac)	31,000	34,000	37,000
Plant stand/ac	29,000	31,500	34,000

PRECIPITATION†

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

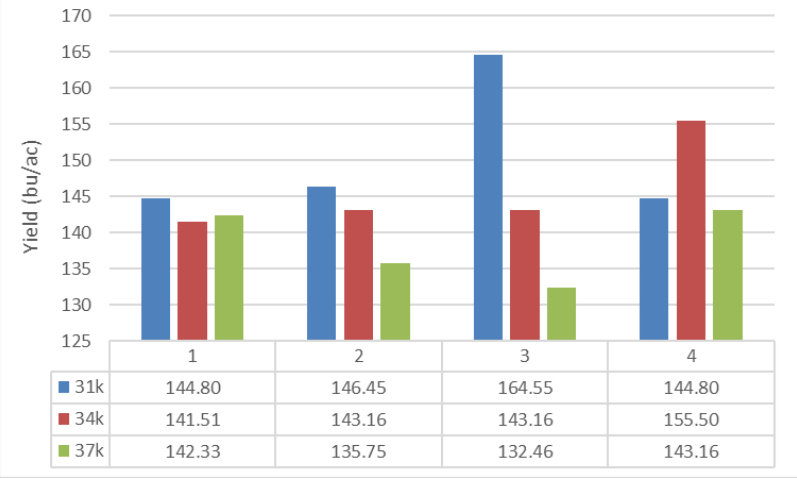
†Growing season precipitation (mm)

OVERALL YIELD

	Mean (bu/ac)
31,000 seeds/ac	150.1[A]
34,000 seeds/ac	145.9[A]
37,000 seeds/ac	138.5[A]
P-Value	0.208
CV	5.76%
Significance	No

FIELD IMAGE - AUG 15, 2020

STRIP YIELD



Summary: There was no significant difference in yield or plant stands at V2 between the 31,000, 34,000 and 37,000 seeds/acre seeding rates. Rainfall was well below average throughout the growing season.

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