

Corn Seed Rate

Trial ID: 2020-CRNP07 — R.M. of Stanley

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. This trial also as a VR seeding rate component as well.

TRIAL INFORMATION	
Location	Winkler
Previous Crop	Potato
Soil Texture	Clay Loams
Tillage	Conventional
Planting Date	May 16, 2020
Fertilizer (N-P-K-S)	109N 64P 70K
Variety	DKC35-88RIB
Row Spacing	30"
Seed Rate (seeds/ac)	34.4k vs 31.4k vs 37.4k vs 32-35k VR
Harvest Date	October 16, 2020

SOIL PROPERTIES†			
N 0-24"	P (ppm)	K (ppm)	% O.M.
131	15	186	3.1

†Nutrient values taken after spring seeding at V2

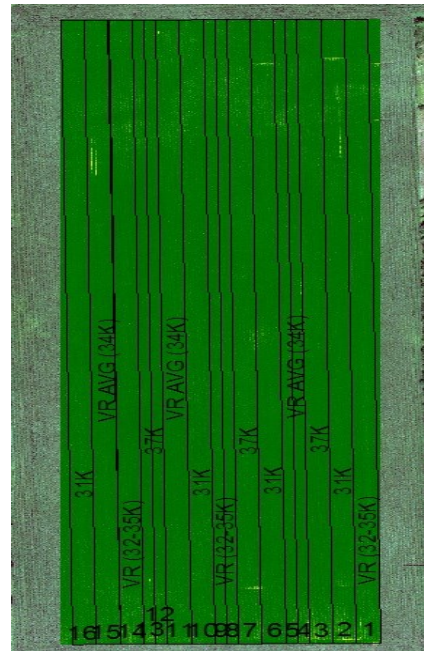
PLANT STAND @ V2				
Seed Rate (seeds/ac)	31.4k	34.4k	37.4k	32-35k
Plant stand/ac	30.3k ^C	34.5k ^B	36.8k ^A	33.8k ^B

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

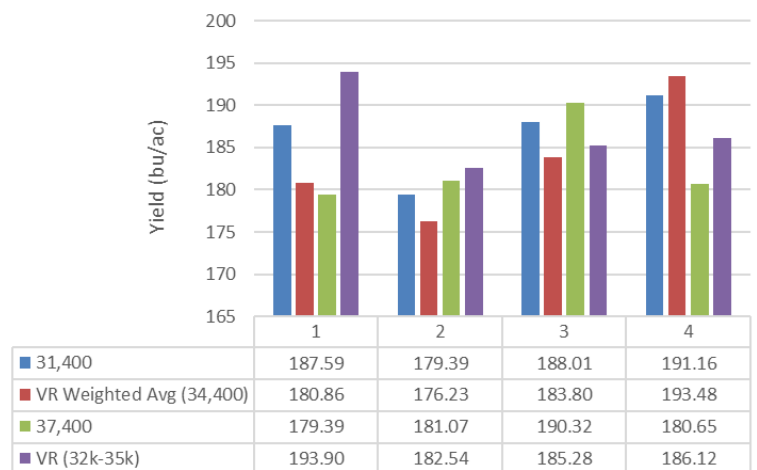
†Growing season precipitation (mm)

OVERALL YIELD	
	Mean (bu/ac)
31,400 seeds/ac	186.6 ^A
34,400 seeds/ac	183.6 ^A
37,400 seeds/ac	182.9 ^A
32,000-35,000 VR	187.0 ^A
P-Value	0.589
CV	2.91%
Significance	No

FIELD IMAGE - AUG 17, 2020



STRIP YIELD



Summary: There was no significant difference in yield between the four seeding rate treatments. There was a significant difference in plant stands taken at V2. Overall, rainfall was well below average for the growing season.