



Corn Planting Rate Trial

Objective: The purpose of this project is to quantify the agronomic and economic impacts of reducing and increasing normal planting rate in corn.

Summary: None of the site-years showed a significant yield difference between the three planting rates.

Single Site Analysis

Trial ID	Rural Municipality	Seed Rate (check) seeds/ac	Plant Stand @ V2			Yield			CV %	P-Value	Statistically Significant @ 95%
			Low Seed Rate	Check Seed Rate	High Seed Rate	Low Seed Rate	Check Seed Rate	High Seed Rate			
2021-CRNP01	Dufferin	34,000	31,500	35,000	36,500	150.2	150.0	149.5	2.53	0.9710	No
2021-CRNP02	Hanover	33,000	29,000	31,000	34,250	49.6	63.4	49.6	15.89	0.1004	No
2021-CRNP03	Brokenhead	32,000	26,500	29,000	29,000	106.5	108.0	109.5	4.17	0.6525	No
2021-CRNP04	North Norfolk	34,000	26,250	29,250	32,000	142.3	147.2	148.2	3.02	0.2085	No
2021-CRNP05	Grey	32,000	21,000	25,750	28,250	126.1	128.8	133.9	6.88	0.4931	No
2021-CRNP06	Stanley	33,800	28,250	32,750	33,750	128.4	132.4	138.4	7.07	0.5318	No
2021-CRNP07	Rhineland	38,000	35,000	35,500	34,250	122.3	130.3	135.0	5.45	0.1976	No
2021-CRNP08	North Norfolk	32,000	27,750	31,750	35,750	91.9	86.7	85.7	4.88	0.1735	No
2021-CRNP09A	Springfield	35,000	32,500	33,000	38,000	103.1	102.7	105.0	8.50	0.9282	No
2021-CRNP09B	Springfield	35,000	32,500	33,000	38,000	96.5	99.9	94.6	4.12	0.2439	No
2021-CRNP10	Brokenhead	34,000	30,667	33,667	35,667	89.7	90.2	86.1	6.80	0.6886	No
2021-CRNP11	Ritchot	34,269	29,250	33,000	35,250	101.8	99.3	96.7	9.15	0.7450	No

Indicates Statistical Difference at 95% confidence interval



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