



Wheat Seeding Rate Trials

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

Summary: One site-year showed a significant yield difference between the three seeding rates.

Summary of 2022 wheat seeding rate trial yield results by site-year

Trial ID	Rural Municipality	Row Spacing inch	Seeding Rate			Plant Stand @ Midseason			Yield			CV %	P-Value	Statistically Significant @ 95%
			Low	Med	High	Low	Med	High	Low	Med	High			
			lbs/ac			/ft ²			bu/ac					
WP01	Brokenhead	10	90	120	150	23	25	29	82.2 ^A	81.9 ^A	76.4 ^B	2.82	0.0191	Yes
WP02	De Salaberry	7.5	120	138	156	16	16	17	68.1	70.6	71.5	5.42	0.4648	No
WP03	Grey	10	90	135	180	30 ^B	33 ^{AB}	38 ^A	59.0	58.0	57.0	5.48	0.6912	No
WP04	Brokenhead	10	90	117	137	23 ^B	25 ^B	29 ^A	86.3	87.7	86.0	2.06	0.5176	No
WP05	Oakland-Wawanesa	9	80	120	160	30 ^C	41 ^B	54 ^A	58.2	59.2	58.5	1.54	0.3607	No
WP06	Louise	10	100	120	140	27	31	37	64.3	58.8	66.2	8.52	0.2112	No
WP07	Brokenhead	10	90	120	150	25	24	24	45.8	44.6	45.1	3.48	0.5386	No



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