



## 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:** None of the site-years showed a significant yield difference between the three seeding rates.

Summary of 2023 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 <sup>2</sup>			bu/ac					
WP01	Brokenhead	10	75	95	115	22 <sup>B</sup>	25 <sup>B</sup>	31 <sup>A</sup>	79.1	77.6	78.1	1.58	0.2716	No
WP02	Wallace-Woodworth	12	80	100	120	26	23	24	83.4	86.5	75.0	2.83	0.3847	No
WP03	Brokenhead	6	60	90	120	24	25	38	70.2	74.8	71.7	3.95	0.1419	No
WP04	Rhineland	9	80	100	120	19 <sup>B</sup>	21 <sup>A</sup>	21 <sup>A</sup>	74.7	76.5	75.7	2.10	0.3686	No
WP05	Springfield	7.5	60	80	100	13 <sup>B</sup>	16 <sup>A</sup>	18 <sup>A</sup>	83.0	83.2	82.8	0.76	0.6869	No
WP06	MacDonald	7.5	120	140	160	22 <sup>B</sup>	23 <sup>AB</sup>	25 <sup>A</sup>	44.8	45.8	43.2	7.44	0.5663	No
WP07	Morris	10	90	120	150	24	29	31	51.5	54.0	48.4	7.82	0.2265	No
WP08	Brokenhead	10	80	100	120	18	17	21	57.7	56.6	57.4	1.73	0.8598	No
WP09	Morris	10	95	117	138	27	33	30	52.4	52.2	54.4	4.18	0.3651	No
WP10	Argyle	12	96	128	160	19 <sup>C</sup>	22 <sup>B</sup>	27 <sup>A</sup>	68.2	67.9	67.5	1.17	0.4854	No
WP11	Dauphin	10	90	120	150	29 <sup>C</sup>	36 <sup>B</sup>	45 <sup>A</sup>	60.0	61.8	62.6	3.77	0.3343	No
WP12	Piney	10	80	120	160	15 <sup>B</sup>	20 <sup>A</sup>	22 <sup>A</sup>	79.0	79.8	80.5	3.59	0.8000	No



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