

**North Central Research Extension Center—Minot  
Corn Plant Population Trials—Parshall and Falkirk**

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An 1860 GDD to PM corn hybrid was planted at six populations at Parshall and Falkirk, ND. The previous crop was lentil at Parshall and pinto bean at Falkirk. Each trial was fertilized for a 100 bushel yield goal and planted in 30 inch rows. Parshall was planted on May 8 and Falkirk on May 9. The trial design was a randomized complete block with four replications. Stand counts were taken on May 25 (spike to 1-leaf) and June 5 (2-leaf) to determine the established plant population. Plots were harvested October 11.

Plant Population	Parshall					Falkirk				
	Established		Moisture	Test	Established		Moisture	Test		
	Plants/A		at Harvest	Yield*	Weight	Plants/A		at Harvest	Yield*	Weight
	May 25	Jun 5	--%--	bu/A	lb/bu	May 25	Jun 5	--%--	bu/A	lb/bu
12,000	10,938	11,607	15.5	52.4	60.1	10,063	11,726	15.9	68.4	60.4
15,000	13,625	14,345	16.4	53.6	59.9	14,375	14,107	15.3	76.6	60.8
18,000	15,813	16,905	16.8	57.5	59.7	17,375	17,262	15.9	78.7	60.7
21,000	19,063	19,821	17.6	54.3	59.8	18,250	20,238	16.0	77.1	60.8
24,000	22,375	23,214	15.9	48.7	60.0	19,000	22,262	17.0	73.6	60.9
27,000	24,625	25,595	17.4	47.0	59.8	21,125	23,988	17.6	71.2	61.2
LSD 5%	1,060	708	NS	NS	NS	2,019	1,435	1.2	NS	NS
C.V.%	4.0	2.5	18.5	16.8	0.8	5.2	4.9	4.9	10.0	1.0
Mean	17,740	18,581	16.6	52.3	59.9	16,698	18,264	16.3	74.3	60.8

\*Adjusted to 15% moisture