

**North Central Research Extension Center—Minot
Corn Harvest Timing Trials—Parshall and Falkirk**

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An 1860 GDD to PM and a 2100 GDD to PM corn hybrids were evaluated for the effect of harvest timing on yield and harvest moisture at Parshall and Falkirk, ND. The plant population for both hybrids was 21,000 plants per acre. 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. A killing frost occurred at both locations on September 14. According to the nearest NDAWN weather stations, there were 1908 GDDs accumulated at the Parshall site and 2034 GDDs at the Falkirk site from planting to the first killing frost. The first harvest was September 27. Approximately 150 GDDs were accumulated from September 14. The second harvest was conducted October 11. Approximately 240 GDDs were accumulated from September 14. The third harvest date was conducted October 26. Approximately 300 GDDs had been accumulated from September 14.

Hybrid	Parshall			Falkirk		
	Moisture at Harvest --%--	Yield* bu/A	Test Weight lb/bu	Moisture at Harvest --%--	Yield* bu/A	Test Weight lb/bu
Harvest Timing 1 (Sep 27)						
1860 GDD	17.6	58.9	59.7	18.7	82.9	60.7
2100 GDD	22.4	57.7	54.6	24.8	78.8	56.5
Harvest Timing 2 (Oct 11)						
1860 GDD	14.4	53.5	60.0	15.0	82.9	61.1
2100 GDD	18.1	53.1	55.7	18.8	76.3	58.0
Harvest Timing 3 (Oct 26)						
1860 GDD	14.5	53.2	60.1	13.2	80.8	61.0
2100 GDD	15.9	55.1	55.5	14.9	77.3	58.2
LSD 5%	2.5	NS	0.8	3.0	NS	0.5
C.V.%	9.1	12.1	0.9	10.6	8.3	0.5
Mean	17.2	55.2	57.6	17.6	79.8	59.3

*Adjusted to 15% moisture