

HARD RED WINTER WHEAT VARIETY PERFORMANCE AT CARRINGTON

Twenty-six hard red winter (HRW) wheat varieties were tested in a dryland trial at the North Dakota State University Carrington Research Extension Center in 2002. Seed yield ranged from 32.8 to 48.0 bushels/acre (bu/A) among varieties and averaged 41.3 bu/A. Averaged across the past 3 years (2000-02), the 5 highest-yielding HRW wheat varieties were Jerry at 60.9 bu/A, Arapahoe at 58.5 bu/A, Ransom at 58.1 bu/A, CDC Kestrel at 57.5 bu/A, and Seward at 55.6 bu/A. The HRW wheat variety with the highest 3-year average test weight was Seward at 61.8 pounds/bushel (lb/bu), followed by Windstar at 61.4 lb/bu, Agassiz and Norstar at 61.2 lb/bu, and Roughrider at 61.1 lb/bu. HRW wheat variety trial data from other NDSU Agricultural Experiment Station sites may be found at www.ag.ndsu.nodak.edu/recenthp.htm.

Hard Red Winter Wheat - No-Till										Carrington
Variety	Jday of Head	Plant Height inch	---- Grain Protein ----		1000 KWT gram	--- Test Weight ---		----- Grain Yield -----		
			2002	3-yr. Avg.		2002	3-yr. Avg.	2002	2-yr. Avg.	3-yr. Avg.
			----- % -----	-----		----- lb/bu -----		----- bu/ac -----		
Agassiz	171	33.7	11.6	12.7	27.0	62.5	61.2	41.7	49.8	52.6
Alliance	166	24.9	11.7	11.7	26.5	61.3	59.4	41.6	45.4	52.3
Arapahoe	167	28.3	12.6	13.0	27.2	62.2	60.5	37.7	49.2	58.5
CDC Falcon	169	22.7	11.1	--	24.3	62.3	--	44.4	51.3	--
CDC Kestrel	171	30.7	10.5	11.3	25.5	60.4	59.1	45.2	54.3	57.5
CDC Raptor	172	28.1	11.5	--	24.3	61.5	--	45.7	52.3	--
Crimson	168	26.0	12.3	12.9	26.9	62.4	60.9	36.3	35.8	44.2
Culver	167	25.6	11.9	--	27.8	60.6	--	38.3	43.2	--
Elkhart	169	25.4	12.7	--	30.3	61.7	--	28.5	37.0	--
Elkhorn	171	33.0	11.6	12.4	27.3	58.3	60.1	44.3	51.4	52.1
Erhardt	169	26.8	13.1	13.7	23.9	61.6	58.9	35.2	42.1	46.2
Harding	170	28.7	12.2	12.9	27.1	61.2	59.6	44.9	50.2	--
Millennium	168	25.4	12.7	--	28.2	61.6	--	38.8	43.9	--
Morgan	172	30.0	11.8	--	25.8	61.6	--	41.0	51.7	--
Jerry	170	29.3	11.1	11.8	30.1	62.3	59.9	47.8	58.4	60.9
NeKota	166	25.4	12.5	12.7	28.8	62.1	60.2	35.4	37.7	50.5
Norstar	172	36.6	10.4	11.4	25.2	62.3	61.2	45.0	52.6	53.8
Nuplains	170	23.8	12.4	--	27.9	62.7	--	36.5	38.2	--
Pontiac	166	18.6	13.8	--	24.7	60.9	--	--	--	--
Ransom	169	28.3	11.7	12.0	26.9	61.1	60.1	48.0	53.7	58.1
Roughrider	170	31.6	11.6	13.0	25.0	62.3	61.1	39.9	49.2	51.9
Seward	172	36.6	12.0	12.2	25.6	62.7	61.8	45.0	53.6	55.6
Tandem	167	26.0	11.8	12.6	30.5	61.8	60.9	38.5	42.6	51.2
Windstar	168	29.1	12.5	13.1	25.4	62.3	61.4	41.9	49.4	54.3
Expedition	166	22.8	11.7	--	30.1	62.3	--	37.5	--	--
Wahoo	168	26.0	13.1	--	27.9	60.7	--	39.8	--	--
Wesley	167	22.0	12.7	--	29.6	60.9	--	32.8	--	--
Mean	168.9	27.5	12.0	--	26.9	61.6	--	40.8	---	---
C.V. %	0.5	8.9	5.3	--	6.7	2.4	--	9.7	---	---
LSD .05	1	3.5	0.9	--	2.5	NS	--	5.5	---	---

Planting Date = September 17; Harvest Date = July 26;
Previous Crop = Forage millet; Jday of 169 = June 18
 ** Expedition (SD97457) a new South Dakota release.