

**NDSU Carrington Research Extension Center
2014 Variety Trial Data**

Hard Red Winter Wheat - Direct Seeded **Carrington**

Variety	Julian Day of Heading	Plant Height inch	Plant Lodge 0 to 9	-- Grain Protein --			Tan Spot Severity %	1000 KWT gram	1000 KWT ¹ gram	Test Weight lb/bu	----- Grain Yield -----			
				2014 ----- %	3-yr. Avg. -----	Grain Protein ¹ -----					2014 ----- bu/ac	2014 ¹ -----	3-yr. Avg. -----	
Jerry	172	37.5	0.2	12.73	11.6	12.80	6.7	8.32	8.63	58.7	75.2	80.1	65.5	60.4
Decade	170	31.2	0.0	13.33	12.4	13.59	0.0	7.61	7.96	50.6	73.8	79.4	60.1	55.9
Lyman	168	32.0	0.7	14.02	12.6	14.45	3.3	9.20	9.78	56.9	67.4	71.5	57.2	55.0
Ideal	171	30.5	0.0	12.10	11.1	12.42	1.7	7.91	8.16	49.2	79.1	94.2	63.8	58.3
Overland	169	31.0	0.0	12.70	11.7	13.23	1.7	8.39	8.45	59.4	74.0	80.9	56.6	57.4
McGill	168	33.1	0.0	11.94	11.4	12.41	3.3	7.55	7.96	52.5	61.8	69.9	50.5	52.6
Robidoux	168	28.9	0.7	12.19	11.3	12.39	6.7	7.01	7.79	48.8	53.5	64.7	46.6	51.1
Freeman	166	28.3	0.7	12.26	--	12.77	1.7	7.71	8.32	56.5	74.0	81.3	--	--
Art	166	28.3	0.5	13.19	12.3	13.93	8.3	7.68	8.23	57.4	65.0	71.2	52.2	54.7
SY Wolf	168	29.3	0.3	12.61	11.7	13.01	3.3	8.03	8.17	51.5	72.3	74.7	55.7	54.9
WB Matlock	171	32.5	0.2	12.06	11.4	12.76	5.0	7.67	8.04	57.2	72.7	80.4	61.5	58.6
CDC Falcon	171	29.3	0.7	11.55	11.0	11.83	21.7	6.61	6.91	55.7	75.0	82.7	62.0	59.2
WB-Grainfield	166	28.0	0.2	12.58	--	13.10	5.0	7.83	8.26	57.1	70.2	72.7	54.0	--
Peregrine	172	39.0	0.7	11.60	10.9	11.57	3.3	7.41	7.76	57.1	77.5	84.6	64.8	60.5
Accipiter	174	32.1	0.2	11.38	10.9	11.52	8.3	6.20	6.56	52.6	75.0	84.7	64.2	58.7
Moats	173	35.6	0.7	12.34	--	12.37	40.0	7.17	7.42	52.1	66.7	73.6	58.9	--
Flourish	171	30.6	0.2	12.30	--	12.55	5.0	6.97	7.97	50.8	65.1	75.6	58.1	--
AC Broadview	171	31.4	0.3	11.61	10.8	11.85	5.0	6.87	7.50	55.4	76.9	84.4	61.1	58.4
AC Emerson	171	32.7	0.0	12.75	--	13.19	10.0	7.06	7.12	57.7	73.4	77.7	63.6	--
AC Gateway	172	29.7	0.0	12.40	--	12.81	15.0	7.09	7.70	54.6	64.8	70.8	--	--
Mean	170.2	32.1	0.3	12.35	--	12.71	8.1	7.61	8.06	54.6	70.8	77.6	--	--
C.V. (%)	1.4	10.6	184.7	5.6	--	5.6	115.7	10.1	10.1	8.4	11.5	11.5	--	--
² LSD 0.05	1.0	1.7	0.5	0.25	--	0.25	5.9	0.34	0.34	4.4	6.6	6.6	--	--
² LSD 0.10	0.8	1.4	0.4	0.21	--	0.21	5.0	0.29	0.29	3.7	5.5	5.5	--	--
³ LSD 0.05				0.07	--	0.07		0.09	0.09		-----1.6-----		--	--

Planting Date = September 24, 2013; Harvest Date = August 8; Previous Crop = Flax

* Plant lodging scores of 0 indicate no lodging; a score of 9 would indicate plants laying flat.

¹shaded boxes indicate that the plots were treated with fungicide at anthesis

²Mean separation between varieties

³Mean separation between fungicide treatments