

**NDSU Carrington Research Extension Center  
2023 Variety Trial Data**

**Hard Red Spring Wheat - Dryland** **Carrington (Page 1 of 2)**

Variety	Days to Heading days	Plant Height inches	----- Protein -----				BLS <sup>1</sup> 1-9	KWT g/1000	Test Weight lb/bu	----- Yield -----	
			2023 ----- % -----	3-yr. Avg.	Gluten %	2023 ----- bu/a -----				2-yr. Avg.	3-yr. Avg.
SY Valda	45.3	26.9	15.1	14.0	35.6	5.8	36.1	61.6	72.4	63.8	61.8
SY Ingmar	45.5	25.4	15.8	15.0	39.1	5.8	30.4	61.4	60.7	55.5	55.1
AP Murdock	46.3	23.0	15.4	14.4	37.0	6.3	33.4	60.2	65.5	60.0	58.0
WB9590	44.3	24.1	15.3	14.7	38.8	7.3	35.2	59.5	68.8	62.8	60.6
WB9719	47.0	25.1	14.5	--	37.3	4.8	31.1	63.0	71.3	--	--
Shelly	46.8	25.0	14.6	14.1	36.6	6.0	29.2	58.7	65.5	65.3	63.1
ND Vitpro	43.8	25.8	16.0	15.2	39.4	7.3	31.3	61.8	57.3	52.9	52.8
Elgin-ND	43.0	29.4	14.5	--	36.4	7.3	30.6	60.0	67.8	--	--
AAC Starbuck	45.8	29.1	15.7	15.3	39.1	6.5	34.5	61.3	73.7	67.2	63.9
AP Gunsmoke CL2	44.3	25.7	15.6	14.7	36.7	8.0	32.7	60.0	72.1	64.9	62.5
AP Smith	46.0	25.2	15.3	14.5	36.5	6.3	31.9	60.5	64.5	59.0	57.7
AR3530	46.3	28.6	14.8	14.5	36.9	5.5	33.3	60.0	70.7	64.7	63.0
AR3915	45.8	25.9	15.0	--	36.7	6.0	26.9	60.7	67.5	--	--
Ascend-SD	45.5	29.2	15.3	--	37.4	4.8	29.9	60.9	83.4	71.9	--
Bolles	47.0	28.2	17.5	16.4	40.1	5.0	33.0	59.8	68.5	57.3	57.4
Boost	46.3	28.6	15.8	--	39.6	5.0	35.8	60.8	70.3	--	--
Brawn-SD	45.8	27.1	14.5	--	35.3	5.3	31.5	61.9	73.8	63.8	--
CAG Justify	46.5	27.2	14.1	13.6	34.1	5.8	29.4	58.0	69.9	65.3	63.7
CAG Reckless	45.5	27.5	14.8	14.6	37.6	6.0	32.5	61.9	71.3	62.3	59.7
CDC Landmark	46.0	28.1	15.9	--	40.1	6.0	35.7	61.2	68.1	--	--
CP3099A	48.0	30.5	12.0	12.6	28.5	7.5	31.1	56.0	62.8	61.3	60.0
CP3188	45.3	28.6	13.5	13.0	33.1	6.5	29.2	58.0	53.3	59.8	59.1
CP3322	48.0	26.1	13.6	--	31.7	4.0	25.7	59.2	72.3	--	--
Driver	45.8	26.8	14.3	13.9	34.5	6.0	29.5	61.2	73.6	66.0	64.7
Glenn	44.0	30.3	15.5	14.7	40.0	6.8	30.0	62.5	64.4	55.9	55.4
Lang-MN	46.0	29.7	15.0	--	38.1	5.3	29.4	61.3	71.6	--	--
Lanning	47.0	28.1	15.7	15.0	39.4	4.8	31.1	58.4	70.1	59.6	58.6
LCS Ascent	43.5	25.2	14.8	--	37.9	7.0	29.7	60.6	59.2	55.3	--
LCS Boom	42.8	21.9	16.0	--	40.6	6.8	32.5	61.5	54.1	--	--
LCS Buster	46.8	26.8	12.7	12.8	31.3	5.0	31.3	58.3	71.3	64.5	59.2
LCS Cannon	45.0	26.1	14.8	14.4	37.3	7.5	30.8	60.2	57.7	56.6	55.2
Mean	46.0	27.3	15.0	--	37.0	5.8	32.1	59.3	68.8	--	--
C.V. (%)	2.5	9.2	3.2	--	2.7	12.3	5.5	1.4	10.9	--	--
LSD (0.05)	1.6	3.6	0.7	--	1.4	1.0	2.4	1.1	10.4	--	--
LSD (0.10)	1.4	3.0	0.6	--	1.2	0.8	2.1	1.0	8.7	--	--

**Planting Date = May 11; Harvest Date = August 28; Previous Crop = Field Pea**

Data includes only released varieties. Experimental lines are not included. Statistics reflect the entire trial.

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2023 Variety Trial Data**

**Hard Red Spring Wheat - Dryland** **Carrington (Page 2 of 2)**

Variety	Days to Heading days	Plant Height inches	----- Protein -----				BLS <sup>1</sup> 1-9	KWT g/1000	Test Weight lb/bu	----- Yield -----	
			2023 ----- % -----	3-yr. Avg. -----	Gluten %	2023 ----- bu/a -----				2-yr. Avg. -----	3-yr. Avg. -----
LCS Dual	43.3	28.1	14.8	--	35.6	7.0	27.2	60.2	60.2	63.0	--
LCS Hammer AX	45.0	25.1	15.1	--	38.6	6.8	32.9	60.1	64.0	63.6	--
LCS Trigger	49.0	29.3	12.8	12.9	31.3	3.8	30.4	60.2	72.7	65.6	63.3
MN Rothsay	48.0	24.8	15.2	--	38.5	4.8	29.3	60.1	72.8	61.9	--
MN Torgy	47.0	26.9	15.7	14.7	39.4	5.3	30.1	59.3	58.4	60.3	61.3
MS Charger	43.5	21.9	14.2	--	34.4	7.0	31.5	60.4	63.8	62.4	--
MS Cobra	44.5	24.9	15.8	14.6	39.7	7.3	30.4	61.2	62.3	61.5	59.9
MS Rancho	53.0	32.6	14.7	13.9	37.2	2.8	31.7	60.0	81.2	68.4	65.6
ND Frohberg	45.5	28.5	15.6	14.5	39.6	5.8	35.5	61.3	69.1	64.3	63.7
ND Heron	42.5	26.4	15.7	14.7	39.8	7.3	32.4	60.9	57.5	56.2	56.6
ND Thresher	47.8	27.1	14.5	14.8	36.3	5.0	30.0	59.5	69.5	59.3	56.0
PFS Buns	53.5	27.6	13.6	13.9	32.7	3.0	31.1	58.5	80.2	61.8	61.1
SY611 CL2	45.5	26.9	15.7	14.5	38.8	5.3	33.6	62.4	72.8	65.1	63.2
SY Longmire	45.8	25.3	15.5	14.9	39.4	5.8	33.4	61.4	71.0	60.0	60.7
SY McCloud	45.0	28.1	16.1	15.5	39.1	6.0	36.8	60.8	66.9	59.6	60.6
TCG Heartland	43.3	24.9	16.2	15.5	40.2	6.5	34.6	61.8	65.1	55.0	53.5
TCG Spitfire	47.0	27.1	14.5	14.2	35.8	5.0	35.4	60.4	81.1	69.7	66.3
TCG Teddy	45.8	25.0	15.6	--	36.0	6.3	31.1	59.0	73.4	--	--
TCG Wildcat	45.8	26.1	16.1	15.2	40.5	7.0	37.4	61.5	71.6	63.2	59.1
WB9606	46.5	27.2	13.8	--	34.3	5.8	32.3	61.4	70.2	--	--
Red Fife	47.5	42.9	14.2	--	36.0	5.5	33.6	59.5	61.9	--	--
AAC Rimbey	47.0	28.0	13.5	--	34.0	6.8	38.0	59.5	73.5	--	--
AAC Westlock	49.3	31.2	14.1	--	35.5	4.3	32.7	60.0	82.9	--	--
GP250 Allota	48.3	27.5	12.4	--	30.3	4.5	38.1	58.3	84.9	--	--
AC Lillian	48.8	31.0	16.0	--	39.5	6.0	32.5	58.6	54.1	--	--
Faller	46.8	28.6	13.9	--	34.7	4.8	35.3	60.2	73.4	--	--
Mean	46.0	27.3	15.0	--	37.0	5.8	32.1	59.3	68.8	--	--
C.V. (%)	2.5	9.2	3.2	--	2.7	12.3	5.5	1.4	10.9	--	--
LSD (0.05)	1.6	3.6	0.7	--	1.4	1.0	2.4	1.1	10.4	--	--
LSD (0.10)	1.4	3.0	0.6	--	1.2	0.8	2.1	1.0	8.7	--	--

**Planting Date = May 11; Harvest Date = August 28; Previous Crop = Field Pea**

\* No significant lodging.

<sup>1</sup> BLS: Bacterial Leaf Streak; 1 = no symptoms; 9 = plant death