

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

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

Variety	Days to Heading days	Plant Height inches	Lodging 0-9	----- Protein -----			KWT g/1000	Test Weight lb/bu	----- Yield -----	
				2023 ----- % -----	3-yr. Avg.	Gluten %			2023 ----- bu/a -----	3-yr. Avg.
SY Valda	44.5	25.7	1.0	13.1	13.0	31.3	40.5	60.5	77.7	79.9
SY Ingmar	45.3	26.3	1.0	14.6	14.1	37.9	34.8	60.7	58.6	68.2
AP Murdock	44.3	25.0	1.0	13.7	13.1	33.3	37.6	59.5	73.9	76.2
WB9590	44.5	24.6	1.0	13.3	13.4	34.6	38.4	59.9	68.3	74.5
WB9719	45.0	25.0	1.0	12.9	--	34.4	37.6	62.7	71.5	--
Shelly	46.0	26.1	1.3	13.0	13.0	33.1	32.5	58.9	58.5	71.7
ND Vitpro	44.8	28.1	1.0	14.1	14.0	36.2	36.1	62.2	66.5	66.8
Elgin-ND	44.0	31.3	2.5	13.2	--	34.1	35.6	59.6	70.4	--
AAC Starbuck	44.8	29.5	1.3	14.4	14.3	37.2	38.0	61.0	68.8	74.3
AP Gunsmoke CL2	44.3	25.5	2.0	12.9	13.0	29.7	36.2	59.1	61.8	74.5
AP Smith	45.0	25.5	1.0	14.3	13.9	35.5	35.3	60.4	72.1	77.8
AR3530	45.5	29.5	2.5	13.1	13.2	33.0	37.7	59.9	71.4	75.1
AR3915	45.0	27.1	1.0	13.8	--	35.6	33.5	61.2	67.2	--
Ascend-SD	44.8	30.2	1.0	13.3	--	32.4	32.9	61.2	88.6	--
Bolles	45.5	30.6	2.0	14.8	14.8	35.8	37.7	60.0	62.1	68.4
Boost	45.5	29.7	1.3	14.4	--	37.1	38.4	59.9	69.0	--
Brawn-SD	44.8	26.9	1.8	12.6	--	30.7	35.9	61.8	75.2	--
CAG Justify	45.5	29.6	1.8	12.3	12.0	30.3	36.5	58.5	72.9	77.9
CAG Reckless	44.8	27.7	2.0	13.5	13.2	36.2	36.1	61.0	73.1	76.1
CDC Landmark	45.0	30.0	1.3	14.3	--	37.9	39.3	61.4	67.2	--
CP3099A	46.0	32.2	1.3	10.9	11.3	26.5	38.1	58.6	78.5	81.3
CP3188	45.0	28.7	2.0	11.9	11.9	30.3	34.9	58.9	73.8	75.5
CP3322	48.3	30.1	1.0	11.8	--	27.6	30.7	59.8	70.6	--
Driver	45.0	28.6	1.5	12.4	13.0	30.3	34.0	60.9	63.8	72.0
Glenn	44.3	29.3	1.8	13.9	14.2	37.5	34.9	62.4	62.4	66.3
Lang-MN	45.3	28.9	1.0	12.8	--	32.7	33.1	61.2	67.7	--
Lanning	45.8	28.4	1.3	13.6	13.8	35.4	36.1	59.1	62.3	66.5
LCS Ascent	44.0	26.4	1.5	13.2	--	35.1	35.3	60.7	68.0	--
LCS Boom	43.3	26.7	1.3	13.3	--	35.7	36.3	61.3	68.1	--
LCS Buster	47.0	30.4	1.0	11.5	11.7	28.2	35.2	57.7	71.3	78.6
LCS Cannon	43.5	27.6	2.0	13.5	13.4	36.4	35.9	61.0	67.6	77.0
Mean	45.2	28.3	1.4	13.1	--	33.5	36.2	60.3	68.0	--
C.V. (%)	1.4	6.4	30.2	4.8	--	6.0	3.9	0.6	9.0	--
LSD (0.05)	0.9	2.5		0.9	--	8.1	2.0	0.5	8.5	--
LSD (0.10)	0.8	2.1		0.7	--	6.8	1.7	0.4	7.1	--

Planting Date = May 5; Harvest Date = August 16; Previous Crop = Field Pea

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

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Carrington (Page 2 of 2)

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				2023 ----- % -----	3-yr. Avg.	Gluten %			2023 ----- bu/a -----	3-yr. Avg.
LCS Dual	44.0	29.2	2.3	12.3	--	30.2	36.3	61.2	63.1	--
LCS Hammer AX	43.8	24.2	2.3	12.9	--	34.1	36.9	60.0	59.9	--
LCS Trigger	46.0	29.0	1.0	10.9	11.5	25.9	33.4	59.8	65.5	79.8
MN Rothsay	45.3	25.6	1.0	12.9	--	33.3	32.4	60.3	69.7	--
MN Torgy	45.0	26.6	1.3	12.9	13.3	33.7	34.2	59.8	65.1	75.1
MS Charger	44.3	27.2	2.0	12.3	--	31.4	37.3	60.2	74.3	--
MS Cobra	44.8	25.4	1.3	13.0	13.4	33.5	33.4	60.6	60.1	69.7
MS Rancho	47.5	33.0	1.3	11.9	12.3	29.5	35.5	59.5	66.9	79.0
ND Froberg	45.0	27.2	1.5	13.2	13.4	35.3	40.3	61.0	63.8	69.2
ND Heron	43.8	27.9	2.0	14.1	14.0	38.4	37.0	61.6	63.4	69.1
ND Thresher	45.5	28.1	1.0	12.9	13.2	32.3	34.2	59.7	74.1	74.3
PFS Buns	52.0	28.9	1.0	11.8	11.9	27.9	32.9	57.2	66.1	76.4
SY611 CL2	45.0	24.6	1.0	13.3	13.1	34.5	34.9	61.2	70.8	75.7
SY Longmire	44.8	27.5	1.3	13.6	13.6	35.9	36.5	60.6	66.3	75.7
SY McCloud	44.8	27.7	1.0	14.3	14.0	37.7	40.3	60.6	63.5	71.0
TCG Heartland	43.8	24.9	1.0	13.5	13.9	35.7	38.0	61.0	61.8	67.7
TCG Spitfire	46.0	28.7	1.0	12.8	13.0	31.9	37.7	60.1	76.3	79.8
TCG Teddy	45.0	24.1	1.0	12.9	--	31.9	37.4	59.8	65.0	--
TCG Wildcat	45.3	28.3	1.0	13.1	13.4	34.8	38.4	60.8	72.8	75.0
WB9606	45.0	29.2	1.5	11.8	--	27.2	36.1	60.7	73.4	--
Red Fife	46.5	42.7	4.0	12.4	--	30.7	36.9	58.6	54.9	--
FP23SW001	44.5	27.1	1.0	13.5	--	34.5	34.5	61.4	61.3	--
FP23SW002	44.0	30.1	1.3	13.6	--	36.3	35.8	60.6	62.1	--
AC Lillian	48.3	34.2	3.0	14.5	--	36.8	36.0	57.4	50.5	--
Faller	45.8	30.1	1.8	12.4	12.5	31.7	39.8	59.8	77.2	80.2
Mean	45.2	28.3	1.4	13.1	--	33.5	36.2	60.3	68.0	--
C.V. (%)	1.4	6.4	30.2	4.8	--	6.0	3.9	0.6	9.0	--
LSD (0.05)	0.9	2.5		0.9	--	8.1	2.0	0.5	8.5	--
LSD (0.10)	0.8	2.1		0.7	--	6.8	1.7	0.4	7.1	--

Planting Date = May 5; Harvest Date = August 16; Previous Crop = Field Pea

Lodging: 0 = no lodging; 9 = plants lying flat.