

**NDSU Carrington Research Extension Center
2017 Variety Trial Data**

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

Variety	Days to Head	Plant Height inch	Plant Lodge 0 to 9	-- Grain Protein --		1000 KWT gram	Test Weight lb/bu	----- Grain Yield -----		
				2017 ----- ----- % -----	3-yr. Avg. ¹ -----			2017	2-yr. Avg. ¹ -----	3-yr. Avg. ¹ -----
SY Soren	56.5	34.4	7.0	15.7	14.7	26.9	59.4	64.3	55.7	58.9
SY Ingmar	57.0	36.4	6.3	15.2	14.4	27.5	59.6	68.1	61.3	59.3
Elgin-ND	57.0	41.5	4.5	15.3	14.6	30.9	59.8	70.4	65.0	65.7
Barlow	55.5	39.0	5.0	16.0	15.1	30.9	60.6	68.1	59.5	60.8
Glenn	55.5	39.9	3.0	16.0	14.8	31.6	62.9	75.6	63.7	65.2
Faller	58.8	39.8	5.0	14.3	13.7	34.0	60.1	83.5	66.4	72.7
Prosper	58.8	39.3	5.3	14.7	13.5	33.8	59.3	82.1	64.4	67.7
Linkert	57.0	35.0	2.8	15.4	15.1	32.8	59.9	76.8	70.4	67.7
WB-Mayville	56.0	34.3	5.0	15.4	14.9	33.5	59.7	72.2	58.9	62.0
Rollag	56.5	37.3	4.8	15.6	14.8	30.0	60.1	68.9	64.1	62.6
Bolles	59.0	37.4	4.3	16.3	--	31.3	58.9	70.6	64.1	--
Boost	59.0	39.1	6.0	15.4	--	31.0	59.4	72.1	--	--
Ambush	56.0	37.1	5.5	15.4	--	32.1	61.3	70.8	--	--
Caliber	58.5	34.7	1.0	15.6	--	32.1	60.5	73.5	--	--
HRS 3100	58.3	36.2	4.0	14.5	--	29.8	58.9	78.5	--	--
HRS 3419	63.0	38.1	3.0	13.1	12.7	28.1	58.8	83.0	75.6	76.0
HRS 3504	57.8	35.0	5.8	14.0	--	28.6	57.9	80.0	--	--
HRS 3530	59.0	41.3	4.5	15.2	--	32.9	60.3	90.9	75.3	--
HRS 3616	57.3	37.2	6.5	16.0	--	30.4	58.4	70.7	--	--
Lang-MN	59.8	41.1	4.8	16.0	--	32.8	61.8	83.2	--	--
LCS Anchor	56.5	34.4	7.3	15.6	--	28.6	60.0	71.0	--	--
LCS Breakaway	56.0	36.0	6.0	15.1	14.3	29.9	61.5	77.7	65.5	64.5
LCS Nitro	60.3	37.9	6.8	13.6	12.8	29.3	58.0	76.6	65.6	69.0
LCS Prime	55.3	38.7	5.8	13.9	--	32.4	60.8	81.6	--	--
LCS Rebel	56.0	40.0	6.3	15.9	--	32.8	61.0	75.7	--	--
LCS Trigger	63.5	38.3	6.3	13.2	--	28.3	59.0	77.4	--	--
MS Camaro	56.5	34.4	6.3	15.6	--	29.3	59.8	72.6	--	--
MS Chevelle	55.3	35.2	6.3	14.7	--	26.3	57.9	71.3	--	--
ND VitPro	56.5	38.6	4.0	15.8	14.8	32.6	61.8	74.3	66.9	65.5
Prevail	55.3	39.6	4.3	14.0	13.5	32.1	59.4	84.6	74.8	72.8
Shelly	59.0	36.1	5.3	14.8	--	29.9	59.4	78.9	--	--
Surpass	53.0	36.5	6.0	15.1	--	26.7	58.2	72.9	--	--
SY Rowyn	57.5	36.1	7.5	14.4	13.9	26.6	59.0	71.3	65.6	67.1
SY Valda	57.0	35.2	4.8	14.3	--	31.5	60.4	87.5	71.3	--
TCG-Climax	62.8	37.7	1.0	16.3	--	28.8	62.6	79.3	--	--
TCG-Cornerstone	58.8	36.0	3.5	14.8	--	32.0	60.1	67.9	--	--
TCG-Spitfire	59.5	36.8	6.5	14.5	--	30.4	59.0	68.4	--	--
WB9479	56.5	36.2	4.3	15.9	--	32.8	60.6	80.2	--	--
MEAN	57.3	37.5	4.9	15.2	--	30.7	59.9	74.8	--	--
C.V. (%)	1.2	3.4	23.5	1.9	--	5.5	1.4	8.3	--	--
LSD 0.10	0.8	1.5	1.3	0.3	--	2.0	1.0	7.2	--	--
LSD 0.05	0.9	1.8	1.6	0.4	--	2.3	1.1	8.6	--	--

Planting Date = May 1 ; Harvest Date = August 23 ; Previous Crop = Soybean

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				2017 ----- %	3-yr. Avg. ¹ -----			2017	2-yr. Avg. ¹	3-yr. Avg. ¹ -----
WB9590	56.0	33.0	4.0	15.7	--	33.5	59.4	81.6	--	--
WB9653	57.5	34.4	5.3	14.1	--	28.0	57.6	76.3	--	--
WB9719	58.3	35.6	5.5	15.0	--	30.8	62.2	67.5	--	--
AKF-Astro	60.0	38.6	3.0	13.0	--	32.9	56.8	76.3	--	--
Prosper/ND VitPro ²	57.8	39.5	5.3	15.2	--	31.3	60.1	70.8	--	--
Shelly/Bolles ²	60.0	38.8	5.5	16.1	--	29.8	58.4	74.0	--	--
WB-Mayville {1.8}	56.0	33.0	5.8	15.2	--	33.5	59.8	73.3	--	--
MEAN	57.3	37.5	4.9	15.2	--	30.7	59.9	74.8	--	--
C.V. (%)	1.2	3.4	23.5	1.9	--	5.5	1.4	8.3	--	--
LSD 0.10	0.8	1.5	1.3	0.3	--	2.0	1.0	7.2	--	--
LSD 0.05	0.9	1.8	1.6	0.4	--	2.3	1.1	8.6	--	--

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¹ Two-year average is for 2015 and 2017 and three-year average is for 2014, 2015, and 2017 as the trial was lost to hail in 2016.

² These treatments represent an equal mixture of PLS seed (700K:700K) from each variety at planting.