

**NDSU Carrington Research Extension Center**  
**2016 Variety Trial Data**

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

Variety	Days to Head	Plant Lodge 0-9	Plant Height inch	Hail Damage <sup>1</sup> 0 to 9	----- Grain Protein -----			1000 KWT gram	Test Weight lb/bu	----- Grain Yield -----		
					2016	2-yr. Avg. %	3-yr. Avg. %			2016	2-yr. Avg. bu/ac	3-yr. Avg. bu/ac
Barlow	64.0	1.3	26.7	2.4	15.5	15.8	15.4	31.1	57.1	34.8	45.7	59.6
SY Soren	65.3	0.0	22.4	1.1	15.7	15.4	15.2	25.2	55.2	35.3	42.8	58.5
Elgin-ND	64.8	1.5	25.4	1.6	15.0	15.2	15.1	27.8	54.7	36.0	47.8	62.9
Prosper	66.0	1.0	23.7	1.8	15.4	14.9	14.6	28.2	53.5	28.9	42.5	63.4
Faller	66.0	0.8	24.9	1.3	15.5	14.7	14.6	27.5	53.0	30.1	43.1	65.7
Glenn	63.8	1.0	26.8	1.9	15.3	15.7	15.6	29.0	58.1	31.4	44.6	58.9
WB-Mayville	63.8	0.0	21.6	1.0	16.3	16.1	15.7	31.0	56.3	34.6	44.1	55.3
SY Ingmar	65.0	0.3	24.1	1.0	15.7	15.4	15.2	23.2	54.5	38.0	47.8	62.2
Brennan	64.0	0.0	21.8	1.0	16.0	15.7	15.2	26.7	56.7	33.7	48.0	59.8
SY Rowyn	63.8	1.3	23.5	1.1	15.7	15.0	14.6	22.0	54.5	30.1	48.0	63.1
RB07	64.0	0.8	22.8	1.4	16.2	15.8	15.5	28.1	56.6	32.9	44.2	60.2
Rollag	64.3	1.0	23.2	1.0	16.1	16.1	15.8	28.0	55.9	36.4	46.6	63.5
WB-Mayville <sup>2</sup>	64.0	0.0	21.0	1.0	16.6	--	--	27.8	54.6	32.2	--	--
Velva	66.0	1.3	23.5	1.9	15.2	14.6	14.7	27.8	53.6	38.0	46.7	61.2
Mott	67.3	1.0	26.8	1.9	15.8	15.1	15.1	24.0	54.1	33.6	46.8	63.6
Linkert	65.3	0.0	24.5	1.0	16.0	16.4	15.8	30.0	55.5	32.9	45.7	61.2
Jenna	66.3	1.0	24.0	1.9	15.7	15.6	15.2	30.8	54.9	34.1	44.0	62.6
Shelly	66.5	0.0	24.0	1.6	15.5	15.0	--	25.3	53.8	30.3	44.1	--
Bolles	66.5	0.8	25.2	1.9	17.3	17.4	--	27.5	54.3	28.5	39.2	--
Prestige	62.8	1.3	24.7	1.5	15.4	15.2	--	29.9	57.1	37.0	46.3	--
Redstone	68.3	0.8	24.9	1.3	14.9	14.1	--	21.0	52.6	34.1	44.5	--
Boost	67.0	0.8	27.3	2.0	15.5	15.5	15.3	26.1	53.4	39.3	45.3	57.9
Surpass	62.5	0.8	25.6	1.1	14.8	14.8	--	26.8	57.0	35.6	46.8	--
Focus	61.3	0.5	25.0	2.3	15.4	15.2	--	26.3	57.4	32.2	44.4	--
Prevail	64.0	0.8	25.4	1.4	15.3	15.1	14.7	28.1	55.8	32.2	47.6	62.8
Forefront	62.8	1.0	26.7	2.1	15.4	15.1	15.0	26.2	56.4	36.1	45.9	61.5
HRS 3361	65.0	0.0	23.8	1.0	15.3	15.1	14.8	27.4	55.2	32.6	43.0	62.0
HRS 3419	67.8	0.5	24.8	1.3	14.7	14.0	13.9	20.2	51.9	35.2	43.6	65.8
HRS 3504	66.0	0.0	22.3	1.0	14.8	--	--	25.3	54.1	38.5	--	--
HRS 3530	66.5	0.8	25.3	1.8	16.2	15.5	--	24.9	52.3	23.7	43.3	--
HRS 3616	65.3	1.0	24.7	1.1	15.8	--	--	29.2	54.8	37.4	--	--
LCS Anchor	63.0	0.3	24.6	1.3	15.3	--	--	28.4	58.0	38.0	--	--
LCS Breakaway	64.3	0.5	25.3	1.3	16.1	16.2	15.8	29.2	57.4	35.8	45.6	60.2
LCS Iguacu	66.0	0.0	25.1	1.4	13.9	13.3	13.0	26.9	56.4	31.9	42.5	59.8
LCS Nitro	66.3	0.3	22.6	1.0	15.3	14.7	--	25.2	53.7	33.8	42.1	--
LCS Powerplay	64.0	0.8	24.7	2.3	15.6	14.9	14.7	26.5	54.9	33.3	48.6	64.6
LCS Prime	63.8	0.5	24.6	1.5	14.4	--	--	29.3	56.7	31.4	--	--
LCS Pro	64.3	2.0	26.7	1.9	15.4	--	--	32.6	56.2	38.3	--	--
MEAN	64.8	0.8	24.8	1.6	15.6	---	---	27.3	55.3	33.6	---	---
C.V. (%)	0.9	53.9	7.4	28.3	3.4	---	---	5.2	1.5	11.7	---	---
LSD 0.10	0.7	0.5	2.1	0.5	0.6	---	---	1.7	1.0	4.6	---	---
LSD 0.05	0.8	0.6	2.5	0.6	0.7	---	---	2.0	1.2	5.5	---	---

**Planting Date = April 12 ; Harvest Date = July 26 ; Previous Crop = Faba Bean**

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

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**Carrington (Page 2 of 2)**

Variety	Days to Head	Plant Lodge 0-9	Plant Height inch	Hail Damage <sup>1</sup> 0 to 9	----- Grain Protein -----			1000 KWT gram	Test Weight lb/bu	----- Grain Yield -----		
					2-yr. 2016 ----- %	3-yr. Avg. -----				2-yr. 2016 -----	3-yr. Avg. -----	
MS Chevelle	64.3	1.5	24.3	1.8	14.8	14.5	14.1	26.7	56.6	38.2	45.6	64.6
MS Stingray	68.0	0.3	26.5	1.1	13.3	12.4	12.3	25.4	53.1	32.8	47.2	66.6
SY Valda	65.3	0.5	24.3	1.0	15.3	15.0	--	25.2	54.7	33.8	45.1	--
TCG-Cornerstone	65.5	0.0	23.5	1.3	15.8	--	--	28.2	54.6	32.2	--	--
TCG-Spitfire	67.3	0.8	22.9	1.3	15.3	--	--	26.7	53.0	37.4	--	--
TCG-Wildfire	65.3	1.5	24.9	2.0	15.9	--	--	22.9	52.9	33.5	--	--
WB9507	64.3	1.3	25.5	1.9	15.5	14.8	14.8	28.6	52.2	34.1	39.5	61.3
WB9653	64.8	0.0	20.7	1.1	15.5	15.2	--	27.3	55.3	36.7	52.4	--
MEAN	64.8	0.8	24.8	1.6	15.6	---	---	27.3	55.3	33.6	---	---
C.V. (%)	0.9	53.9	7.4	28.3	3.4	---	---	5.2	1.5	11.7	---	---
LSD 0.10	0.7	0.5	2.1	0.5	0.6	---	---	1.7	1.0	4.6	---	---
LSD 0.05	0.8	0.6	2.5	0.6	0.7	---	---	2.0	1.2	5.5	---	---

**Planting Date = April 12 ; Harvest Date = July 26 ; Previous Crop = Faba Bean**

<sup>1</sup> Hail Damage: The trial experienced relatively minor hail damage on July 9. The amount of damage was evaluated for each plot and scored on a 0 to 9 scale where 0 equaled no visible hail injury or seed loss to a 9 that would equate to complete loss of potential seed yield.

<sup>2</sup> All varieties were planted at a seeding rate of 1,400,000 million pure live seeds acre<sup>-1</sup> with the exception of this treatment at 1.8 million PLS.