

**NDSU Langdon Research Extension Center**  
**2018 Variety Trial**

**Hard Red Spring Wheat - 2018** **Langdon (Page 1 of 2)**

Variety	Days to Head	Plant Height	Protein		Test Weight	Grain Yield				
			2018	3-yr Avg.		2016	2017	2018	2-yr Avg.	3-yr Avg.
		in	-----%-----		lbs/bu	-----bu/a-----				
Glenn	46	35	14.4	14.5	62.9	64.3	71.1	76.0	73.6	70.5
Faller	50	33	12.7	12.7	62.3	79.0	82.2	97.5	89.9	86.2
Barlow	46	34	14.2	14.3	62.6	59.6	74.3	85.2	79.8	73.0
Prosper	50	33	13.2	13.0	62.7	77.8	82.5	98.0	90.3	86.1
Elgin-ND	48	36	13.6	14.0	61.7	64.7	81.4	88.7	85.1	78.3
ND VitPro	48	33	14.1	14.5	63.2	63.0	71.6	78.4	75.0	71.0
Rollag	49	29	14.2	14.5	62.0	71.2	75.7	78.0	76.9	75.0
Linkert	50	29	14.3	14.7	61.0	62.8	63.8	75.0	69.4	67.2
Bolles	50	33	14.9	15.3	61.3	62.6	74.1	81.7	77.9	72.8
Shelly	51	30	13.1	13.4	62.2	71.1	81.4	88.3	84.9	80.3
Lang-MN	51	35	14.3	14.8	61.9	60.2	77.6	79.1	78.4	72.3
Boost	51	33	13.7	14.0	61.9	60.5	78.9	87.7	83.3	75.7
Surpass	45	32	13.6	13.6	62.2	58.5	80.2	91.1	85.7	76.6
AAC Brandon	49	32	13.7	--	62.5	--	--	86.1	--	--
AAC Penhold	51	29	13.3	--	62.7	--	--	88.3	--	--
AC Goodwin	49	32	14.1	--	63.1	--	--	89.4	--	--
DynaGro Ambush	47	31	14.2	--	63.2	--	71.6	87.8	79.7	--
DynaGro Caliber	50	26	14.5	--	60.8	--	63.1	76.2	69.7	--
HRS 3100	50	30	13.4	13.4	61.3	69.5	75.3	86.5	80.9	77.1
HRS 3419	53	33	11.6	12.4	62.2	78.9	92.4	101.4	96.9	90.9
HRS 3504	50	30	12.9	13.0	61.4	73.2	76.8	91.6	84.2	80.5
<b>HRS 3530</b>	<b>50</b>	<b>34</b>	<b>13.0</b>	<b>13.3</b>	<b>62.2</b>	<b>78.1</b>	<b>78.9</b>	<b>99.1</b>	<b>89.0</b>	<b>85.4</b>
HRS 3616	49	31	14.4	14.7	61.2	65.9	75.6	81.3	78.5	74.3
HRS 3888	49	31	13.8	--	61.6	--	--	86.8	--	--
LCS Breakaway	46	30	14.0	13.8	63.0	70.9	75.4	85.4	80.4	77.2
LCS Cannon	44	30	13.7	--	63.5	--	--	89.9	--	--
LCS Rebel	46	34	13.6	--	63.1	--	84.2	92.6	88.4	--
LCS Trigger	53	35	11.1	--	62.6	--	98.3	109.6	104.0	--
MS Camaro	48	28	13.7	--	62.0	--	--	76.6	--	--
MS Chevelle	46	31	12.6	12.7	62.3	67.7	86.2	94.3	90.3	82.7
MS Barracuda	45	29	14.2	--	62.9	--	--	93.1	--	--
Trial Mean	49	31	13.7	--	62.2	66.5	76.2	87.2	--	--
C.V. %	1.7	3.3	2.8	--	0.7	8.7	5.9	4.1	--	--
LSD 5%	1.1	1.5	0.5	--	0.6	8.1	6.3	4.9	--	--
LSD 10%	1.0	1.2	0.4	--	0.5	6.8	5.3	4.1	--	--

Planting Date: May 9; Harvest Date: August 29

No lodging in trial. Disease levels were minimal.

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Variety	Days to Head	Plant Height	Protein		Test Weight	Grain Yield				
			2018	3-yr Avg.		2016	2017	2018	2-yr Avg.	3-yr Avg.
		in	-----%-----		lbs/bu	-----bu/a-----				
SY Ingmar	48.9	29.4	14.2	14.5	62.9	70.0	74.0	91.1	82.6	78.4
SY Soren	48.0	27.7	13.4	13.8	61.5	68.9	75.9	80.0	78.0	74.9
SY Valda	49.1	30.0	13.1	13.3	62.3	78.4	84.5	100.4	92.5	87.8
TCG Climax	51.6	31.2	14.6	--	63.8	--	71.9	82.4	77.2	--
TCG Glenville	47.3	28.1	14.2	--	61.9	--	--	70.7	--	--
TCG Spitfire	51.3	31.3	12.9	13.4	61.7	58.2	76.2	91.6	83.9	75.3
WB9479	48.7	28.2	14.5	--	63.0	--	75.4	89.1	82.3	--
WB9590	48.5	27.9	13.7	--	62.5	--	72.1	91.9	82.0	--
WB9653	48.8	29.2	13.0	13.0	61.7	76.1	82.7	92.8	87.8	83.9
WB9719	51.3	30.1	13.1		63.8	--	69.5	89.4	79.5	--
Trial Mean	48.8	31.3	13.7	--	62.2	66.5	76.2	87.2	--	--
C.V. %	1.7	3.3	2.8	--	0.7	8.7	5.9	4.1	--	--
LSD 5%	1.1	1.5	0.5	--	0.6	8.1	6.3	4.9	--	--
LSD 10%	1.0	1.2	0.4	--	0.5	6.8	5.3	4.1	--	--

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