

**NDSU Langdon Research Extension Center**  
**2021 Variety Trial**

<b>Hard Red Spring Wheat - 2021</b>	<b>Page 1-2</b>	<b>Langdon</b>
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Variety	Days to Head	Plant Height	Protein			Test Weight	Grain Yield				
			2021	3-yr Avg.	Shatter		2019	2020	2021	2-yr Avg.	3-yr Avg.
		in	-----%-----			0-9	-----bu/a-----				
Glenn	59	21	17.1	15.8	1.6	61.3	74.7	73.6	27.2	50.4	58.5
Faller	63	24	15.3	14.4	1.3	58.6	83.7	80.6	28.4	54.5	64.2
ND VitPro	59	21	17.4	15.8	0.5	60.7	72.9	76.2	21.1	48.6	56.7
ND Frohberg	60	21	17.2	15.5	4.8	59.9	80.9	73.4	13.6	43.5	56.0
Bolles	62	23	18.5	16.8	4.1	59.4	72.5	67.9	14.6	41.2	51.7
Lang MN	63	22	16.5	15.7	0.9	60.3	77.0	72.3	26.1	49.2	58.5
MN Washburn	62	21	16.8	15.2	0.6	59.6	75.8	77.8	21.6	49.7	58.4
MN Torgy	64	21	16.8	15.6	0.9	60.2	84.1	70.4	28.0	49.2	60.8
Driver	62	22	15.9	--	1.3	60.6	--	72.7	28.8	50.8	--
Dagmar	59	21	16.5	--	1.5	58.7	--	66.0	24.0	45.0	--
Lanning	62	21	17.4	--	0.4	58.6	--	57.1	27.9	42.5	--
WB9590	60	19	17.8	--	1.6	59.3	--	--	22.2	--	--
WB9479	60	18	18.6	--	1.7	59.9	--	--	18.1	--	--
SY Soren	60	18	18.0	15.8	0.3	60.5	77.9	70.6	18.3	44.5	55.6
SY Ingmar	59	20	17.1	15.5	0.9	60.9	81.0	77.1	21.3	49.2	59.8
SY Valda	62	21	16.4	14.5	1.5	60.4	80.2	78.8	27.6	53.2	62.2
SY Longmire	60	21	17.4	15.5	1.2	60.9	78.7	78.1	26.2	52.1	61.0
SY 611CL2	61	18	17.5	15.3	0.0	60.7	83.3	77.7	23.4	50.6	61.5
SY McCloud	60	20	18.0	15.9	0.2	61.1	78.2	75.9	22.5	49.2	58.9
AP Murdock	61	21	16.8	15.0	2.1	59.6	81.5	87.4	20.8	54.1	63.2
AP Smith	60	18	16.6	--	1.7	60.9	--	75.5	24.4	49.9	--
AP GunsmokeCL2	61	19	17.4	--	2.0	59.4	--	76.6	23.5	50.1	--
CP3099A	63	22	13.9	--	0.3	59.2	--	--	31.4	--	--
CP3119A	63	23	14.0	--	1.1	57.5	--	--	30.7	--	--
CP3188	61	20	14.2	--	1.2	58.2	--	--	27.4	--	--
CP3530	63	22	16.5	15.3	0.9	59.8	78.3	83.1	31.6	57.3	64.3
CP3915	61	21	16.6	15.3	0.1	60.5	77.5	80.0	28.7	54.4	62.1
Trial Mean	61	21	16.6	--	1.4	59.7	79.4	71.2	24.1	--	--
C.V. %	0.9	6.7	1.1	--	56.1	0.5	4.7	8.1	9.3	--	--
LSD 5%	0.4	1.2	0.2	--	0.7	0.3	5.2	8.1	2.0	--	--
LSD 10%	0.4	1.0	0.1	--	0.6	0.2	4.4	6.8	1.7	--	--

Planting Date: May 5

Harvest Date: September 2

<sup>1</sup>Relative Rating 0-9

There was significant negative correlation between yield and shatter of \*-0.47.

Previous Crop: Soybean

Soil Type: Svea-Barnes loam

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Variety	Days to Head	Plant Height	Protein			Test Weight	Grain Yield				
			2021	3-yr Avg.	Shatter		2019	2020	2021	2-yr Avg.	3-yr Avg.
		in	-----%-----		0-9	lbs/bu	-----bu/a-----				
LCS Trigger	64	20	14.3	12.9	0.0	59.5	87.2	80.6	23.0	51.8	63.6
LCS Rebel	58	22	17.4	15.7	0.9	59.6	81.3	75.5	21.8	48.7	59.5
LSC Cannon	58	20	16.5	15.0	1.4	60.8	80.9	73.3	23.4	48.4	59.2
LCS Buster	63	22	13.9	--	3.4	57.8	--	73.4	22.2	47.8	--
MS Barracuda	58	19	17.4	15.8	1.2	58.4	83.4	65.6	14.8	40.2	54.6
MS Rancho	63	21	15.1	--	0.3	58.9	--	61.8	32.7	47.3	--
MS Cobra	60	20	16.9	--	1.5	59.9	--	--	20.4	--	--
DG Ambush	61	21	17.3	15.9	2.2	60.1	76.4	68.1	16.7	42.4	53.7
DG Ballistic	63	24	16.0	14.9	2.7	58.8	90.2	73.1	24.4	48.7	62.6
DG Commander	59	21	16.5	15.0	2.1	59.7	79.8	74.1	17.4	45.8	57.1
TCG Spitfire	62	22	16.5	14.7	1.3	59.2	78.6	79.9	25.2	52.6	61.2
TCG Heartland	60	20	17.7	16.0	1.3	60.9	74.8	66.5	23.1	44.8	54.8
TCG Wildcat	59	18	17.0	--	2.0	60.4	--	73.6	22.5	48.0	--
CAG-Justify	62	22	15.2	--	2.4	57.9	--	--	23.1	--	--
CAG-Reckless	61	20	16.7	--	3.6	59.9	--	--	24.3	--	--
PFS-Buns	66	21	15.0	--	1.6	57.4	--	--	32.8	--	--
AL822	61	19	17.1	--	0.4	61.2	--	71.6	27.9	49.7	--
AL8175	60	22	17.0	--	0.6	60.0	--	--	20.7	--	--
AL8432	59	21	17.2	--	3.7	60.6	--	74.0	22.0	48.0	--
Brandon	61	22	17.0	--	0.6	60.0	--	--	29.8	--	--
Trial Mean	61	21	16.6	--	1.4	59.7	79.4	71.2	24.1	--	--
C.V. %	0.9	6.7	1.1	--	56.1	0.5	4.7	8.1	9.3	--	--
LSD 5%	0.4	1.2	0.2	--	0.7	0.3	5.2	8.1	2.0	--	--
LSD 10%	0.4	1.0	0.1	--	0.6	0.2	4.4	6.8	1.7	--	--

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