

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

**Hard Red Spring Wheat - 2023** **Nelson County-Pekin**

Variety	Days to Head	Plant Height	Protein			Test Weight	Grain Yield				
			2022 Shatter <sup>1</sup>	2023	2 yr Avg.		2020	2022	2023	2-yr Avg. <sup>2</sup>	3-yr Avg. <sup>2</sup>
		in.	0-9	-----%-----		lbs/bu	-----bu/a-----				
Ambush	47.0	33.8	1.9	15.0	14.6	62.2	52.6	67.5	84.9	76.2	68.3
AP Murdock	49.0	33.1	3.0	13.8	13.8	60.5	68.5	56.2	81.0	68.6	68.6
AP Smith	48.8	31.5	3.7	14.7	14.4	60.9	57.1	58.0	74.9	66.4	63.3
CP3530	49.0	36.4	0.4	14.4	14.4	60.0	--	71.3	81.7	76.5	--
CP3915	47.5	32.8	--	14.2	--	60.5	51.4	--	79.8	--	--
Ascend-SD	48.5	37.0	--	14.3	--	60.9	--	--	82.0	--	--
Ballistic	48.5	35.0	2.4	13.9	14.2	60.6	46.4	59.1	94.5	76.8	66.7
Commander	46.0	33.0	3.8	14.6	14.3	61.0	54.6	56.1	82.7	69.4	64.5
LCS Ascent	46.0	33.2	3.2	13.6	13.7	62.2	--	60.5	88.0	74.3	--
LCS Boom	41.5	31.9	--	14.4	--	62.0	--	--	84.4	--	--
LCS Buster	49.5	36.3	--	12.1	--	59.2	59.5	--	88.3	--	--
LCS Cannon	41.0	30.5	1.1	14.1	14.1	61.4	49.6	61.3	82.4	71.8	64.4
LCS Dual	45.5	34.3	2.8	13.4	13.2	61.0	--	52.4	83.5	68.0	--
LCS Hammer AX	46.3	32.2	--	14.1	--	60.6	--	--	82.2	--	--
LCS Trigger	50.8	35.7	2.5	12.2	12.5	59.9	70.5	55.1	83.7	69.4	69.8
MN-Rothsay	50.0	31.4	3.8	14.4	14.3	60.7	--	49.6	83.9	66.8	--
MN-Torgy	50.0	36.0	0.8	15.3	15.4	61.8	56.1	54.4	79.2	66.8	63.2
MS Charger	46.5	33.6	0.4	12.8	12.5	60.6	--	75.7	89.5	82.6	--
MS Cobra	46.5	33.3	2.6	14.6	14.5	61.4	--	52.2	83.7	68.0	--
ND Heron	45.8	33.3	1.4	14.8	14.8	62.2	--	52.1	81.5	66.8	--
ND Thresher	50.0	33.8	0.9	14.7	14.5	58.7	--	62.1	68.5	65.3	--
SY Ingmar	47.5	32.2	0.8	14.8	14.7	60.5	57.3	60.0	72.4	66.2	63.2
SY Valda	48.3	32.3	0.8	14.1	13.9	61.2	65.4	69.4	84.8	77.1	73.2
SY 611 CL2	48.0	32.4	1.2	14.8	14.3	60.5	53.5	61.0	79.7	70.3	64.7
TCG-Heartland	46.8	31.9	0.7	15.5	15.3	61.2	49.9	64.3	77.5	70.9	63.9
TCG-Spitfire	51.0	34.4	0.3	14.5	14.2	59.7	59.2	67.8	80.9	74.4	69.3
TCG-Teddy	48.8	31.3	--	14.6	--	60.0	--	--	80.7	--	--
TCG-Wildcat	47.0	33.8	1.9	14.8	14.5	61.2	64.6	61.4	83.7	72.5	69.9
WB9590	47.5	29.6	--	15.0	--	60.2	--	--	82.4	--	--
WB9719	49.5	31.6	--	14.4	--	62.7	--	--	79.4	--	--
Trial Mean	47.7	33.3	1.7	14.3	--	60.8	53.8	61.0	82.5	--	--
C.V. %	1.2	3.4	38.9	1.5	--	0.6	7.8	5.7	3.7	--	--
LSD 5%	0.8	1.6	0.6	0.3	--	0.6	5.9	3.0	4.3	--	--
LSD 10%	0.7	0.8	0.5	0.3	--	0.5	5.0	2.5	3.5	--	--

Planting Date: May 26

Harvest Date: September 1

Previous Crop: Soybean Soil Type: Lankin loam

<sup>1</sup>Relative Rating 0-9 There was significant negative correlation between yield and shatter of \*-0.62.

<sup>2</sup> 2 and 3 year average include 2020 and 2022 data.