

**NDSU Langdon Research Extension Center  
2022 Variety Trial Data**

**Hard Red Spring Wheat - 2022** **Nelson County-Pekin**

Variety	Days to Head	Plant Height in.	Shatter <sup>1</sup> 0-9	Protein		Test Weight lbs/bu	Grain Yield				
				2022	2 yr Avg. %		2019	2020	2022	2-yr Avg. <sup>2</sup> bu/a	3-yr Avg. <sup>2</sup>
Ambush	44	32	1.9	14.1	15.0	57.6	71.7	52.6	67.5	60.0	63.9
AP Gunsmoke CL2	43	31	0.8	14.3	15.0	58.5	--	--	73.5	--	--
AP Murdock	44	30	3.0	13.9	14.6	58.2	82.5	68.5	56.2	62.4	69.1
AP Smith	45	28	3.7	14.0	14.7	57.8	--	57.1	58.0	57.6	--
Ballistic	43	30	2.4	14.6	14.3	59.8	87.3	46.4	59.1	52.8	64.3
Commander	42	31	3.8	14.0	14.4	59.1	80.1	54.6	56.1	55.4	63.6
CP3099A	48	34	1.2	13.3	--	57.3	--	--	58.9	--	--
CP3119A	48	32	1.0	13.5	13.9	54.1	--	--	56.1	--	--
CP3188	44	31	1.1	13.6	13.8	57.7	--	--	63.8	--	--
CP3530	45	34	0.4	14.4	14.9	58.8	--	--	71.3	--	--
Faller	45	33	0.5	13.6	14.3	58.2	85.5	51.3	67.3	59.3	68.0
LCS Ascent	41	31	3.2	13.8	--	59.0	--	--	60.5	--	--
LCS Cannon	39	30	1.1	14.1	14.7	60.6	82.5	49.6	61.3	55.4	64.5
LCS Dual	42	32	2.8	13.1	--	60.3	--	--	52.4	--	--
LCS Trigger	49	35	2.5	12.9	13.3	58.9	91.3	70.5	55.1	62.8	72.3
MN-Rothsay	47	30	3.8	14.2	--	58.6	--	--	49.6	--	--
MN-Torgy	48	34	0.8	15.5	15.8	57.6	--	56.1	54.4	55.3	--
MN-Washburn	46	30	0.1	14.6	15.0	58.4	67.4	48.9	61.1	55.0	59.1
MS Charger	42	30	0.4	12.2	--	58.9	--	--	75.7	--	--
MS Cobra	42	30	2.6	14.4	15.0	58.8	--	--	52.2	--	--
ND Frohberg	43	32	2.5	14.2	15.1	60.0	--	52.5	59.5	56.0	--
ND Heron	41	31	1.4	14.8	15.6	59.9	--	--	52.1	--	--
SY 611CL2	43	28	1.2	13.8	14.7	59.2	75.7	53.5	61.0	57.2	63.4
SY Ingmar	44	30	0.8	14.6	15.3	59.2	76.4	57.3	60.0	58.6	64.6
SY Valda	45	30	0.8	13.6	14.2	58.3	78.8	65.4	69.4	67.4	71.2
TCG-Heartland	43	29	0.7	15.0	15.9	60.1	68.1	49.9	64.3	57.1	60.8
TCG-Spitfire	45	31	0.3	13.9	14.9	57.7	74.3	59.2	67.8	63.5	67.1
TCG-Wildcat	43	31	1.9	14.2	15.0	58.9	--	64.6	61.4	63.0	--
Trial Mean	44	31	1.7	14.0	--	58.5	73.9	53.8	61.0	--	--
C.V. %	0.9	2.4	38.9	1.4	--	0.4	4.9	7.8	5.7	--	--
LSD 5%	0.3	0.7	0.6	0.2	--	0.2	5.1	5.9	3.0	--	--
LSD 10%	0.3	0.6	0.5	0.1	--	0.2	4.3	5.0	2.5	--	--

Planting Date: June 2

Harvest Date: September 27

Previous Crop: Soybean Soil Type: Lankin loam

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

There was significant negative correlation between yield and shatter of  $-0.62$ .

No significant correlation between days to head and shatter,  $0.08$

<sup>2</sup> 2 and 3 year average include 2019 and 2020 data.