

**NDSU Hettinger Research Extension Center**

<b>Hard Red Spring Wheat - 2023</b>							<b>Mandan, ND</b>			
Variety	Plant	Plant	Test	Grain	----- Grain Yield -----			Average Yield		
	Height	Lodge	Weight	Protein	2021	2022	2023	2 yr	3 yr	
	inches	0-9*	lbs/bu	%	----- Bushels per acre -----					
AAC Concord	35	0	56.5	13.3	21.4	54.3	55.8	55.0	43.8	
AAC Rimbey	29	0	56.6	11.4	--	--	58.6	--	--	
AAC Starbuck	30	0	56.8	13.7	20.1	51.6	54.2	52.9	42.0	
AAC Westlock	30	0	57.6	11.7	--	--	57.3	--	--	
AP Gunsmoke CL2	27	0	55.8	12.5	19.8	66.4	49.4	57.9	45.2	
AP Murdock	26	0	57.0	12.1	16.7	65.2	52.6	58.9	44.8	
AP Smith	26	0	57.1	13.4	23.7	58.5	48.8	53.6	43.6	
AR3530	33	0	57.3	12.7	19.1	58.4	54.4	56.4	44.0	
AR3915	28	0	57.1	12.0	--	--	53.0	--	--	
Asend-SD	31	0	57.6	12.4	19.7	65.7	56.3	61.0	47.2	
Bolles	30	0	56.6	13.9	18.4	56.5	51.3	53.9	42.1	
Boost	30	0	57.5	13.1	--	56.5	50.9	53.7	--	
Brawn-SD	29	0	57.4	12.1	--	70.8	50.3	60.5	--	
CAG-Justify	29	0	55.3	11.0	20.8	67.2	50.3	58.7	46.1	
CAG-Reckless	29	0	58.0	12.6	19.0	57.9	52.4	55.1	43.1	
CDC Landmark VB	31	0	58.0	13.6	--	--	55.7	--	--	
CP3055	29	0	54.0	11.4	--	--	51.6	--	--	
CP3099A	33	0	52.7	10.6	15.1	62.8	54.4	58.6	44.1	
CP3119A	33	0	54.7	11.1	--	--	58.3	--	--	
CP3188	30	0	56.2	11.6	24.3	58.7	56.4	57.6	46.5	
CP3322	29	0	55.6	11.5	--	--	53.6	--	--	
Dagmar	30	0	55.0	13.5	18.8	57.7	48.4	53.0	41.6	
Driver	30	0	57.9	12.0	23.3	57.0	56.9	57.0	45.7	
Elgin-ND	32	0	55.4	12.6	--	--	41.8	--	--	
Glenn	31	0	58.5	13.0	19.1	54.6	45.9	50.2	39.9	
Lang-MN	31	0	58.5	13.0	--	--	56.8	--	--	
Lanning	31	0	56.0	13.2	22.4	56.0	52.3	54.1	43.5	
LCS Ascent	27	0	56.4	11.9	--	54.9	45.6	50.3	--	
LCS Boom	26	0	57.7	12.7	--	--	47.0	--	--	
LCS Buster	31	0	56.8	10.8	22.2	69.5	59.0	64.2	50.2	
LCS Cannon	25	0	55.9	12.2	18.1	56.6	45.1	50.8	39.9	
LCS Dual	27	0	55.0	12.3	--	55.1	45.2	50.1	--	
LCS Hammer AX	27	0	56.0	12.4	--	62.8	51.7	57.2	--	
LCS Trigger	31	0	58.9	10.5	22.2	70.4	60.3	65.4	51.0	
MN Rothsay	26	0	57.5	12.9	20.5	63.5	56.8	60.1	46.9	
MN Torgy	31	0	59.0	12.7	21.4	65.7	60.7	63.2	49.2	
MS Charger	27	0	55.5	11.7	--	61.6	46.9	54.3	--	
MS Cobra	27	0	55.7	13.1	17.1	62.1	50.7	56.4	43.3	
MS Ranchero	36	0	57.3	11.8	27.0	64.3	66.6	65.5	52.6	

*Table continued on next page*

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Variety	Plant	Plant	Test	Grain	----- Grain Yield -----			Average Yield	
	Height	Lodge	Weight	Protein	2021	2022	2023	2 yr	3 yr
	inches	0-9*	lbs/bu	%	----- Bushels per acre -----				
<i>Table continues from previous page</i>									
ND Frohberg	31	0	58.0	13.2	18.8	57.9	47.9	52.9	41.5
ND Heron	28	0	55.8	12.8	15.5	54.2	44.2	49.2	38.0
ND Thresher	28	0	56.8	12.3	17.1	54.4	53.2	53.8	41.5
ND VitPro	29	0	56.9	13.2	16.8	51.1	47.5	49.3	38.4
PFS Buns	28	0	56.3	11.3	--	--	63.9	--	--
Shelly	29	0	55.8	12.4	--	60.9	51.5	56.2	--
SY 611 CL2	27	0	57.5	12.5	20.0	60.7	57.4	59.1	46.1
SY Ingmar	27	0	58.0	13.3	21.5	54.3	49.9	52.1	41.9
SY Longmire	29	0	58.6	12.8	19.6	55.2	52.5	53.8	42.4
SY McCloud	28	0	57.0	13.9	17.5	59.8	48.6	54.2	42.0
SY Valda	27	0	57.2	12.0	21.4	60.8	60.3	60.5	47.5
TCG Heartland	26	0	56.7	13.6	15.4	51.0	45.4	48.2	37.3
TCG Sptifire	29	0	57.7	12.1	25.5	63.5	62.6	63.1	50.5
TCG Teddy	24	0	55.3	13.1	--	--	40.6	--	--
TCG Wildcat	28	0	57.2	13.4	21.6	63.9	55.5	59.7	47.0
WB9590	25	0	53.9	12.6	17.5	57.2	45.7	51.4	40.1
WB9606	30	0	56.5	11.6	--	--	51.5	--	--
WB9719	27	0	58.4	12.0	--	--	53.0	--	--
Trial Mean	29	0	56.6	12.5	20.3	59.4	52.4	56.0	44.2
C.V. %	4.2	NA	1.6	4.4	7.2	6.5	9.2	--	--
LSD 5%	1.4	NA	1.1	0.6	3.0	4.5	5.6	--	--
LSD 10%	1.1	NA	0.8	0.5	2.5	3.5	4.4	--	--

\* 0 = no lodging, 9 = 100% lodged.

Planting Date: May 9

Harvest Date: August 24

Previous Crop: Soybean