

NDSU Hettinger Research Extension Center

Hard Red Spring Wheat - 2023

Hettinger, ND

Variety	Days to	Plant	Plant	Test	Grain	----- Grain Yield -----			Average Yield	
	Head	Height	Lodge	Weight	Protein	2021	2022	2023	2 yr	3 yr
	DAP ¹	inches	0-9 ²	lbs/bu	%	----- Bushels per acre -----				
AAC Concord	57	34	6	57.3	14.8	42.3	63.6	68.4	66.0	58.1
AAC Rimbey	57	32	5	58.8	12.8	--	--	72.7	--	--
AAC Starbuck	55	33	3	58.8	14.7	46.6	76.1	82.6	79.3	68.4
AAC Westlock	56	32	3	59.6	12.9	--	--	76.6	--	--
AP Gunsmoke CL2	55	30	2	59.8	13.7	48.4	78.8	84.9	81.9	70.7
AP Murdock	54	29	2	58.1	13.3	39.5	73.6	75.2	74.4	62.8
AP Smith	56	30	0	59.8	13.9	38.0	76.5	80.8	78.6	65.1
AR3530	57	33	1	59.7	14.1	40.3	76.0	86.5	81.2	67.6
AR3915	56	31	0	60.3	13.4	--	--	76.6	--	--
Asend-SD	56	35	2	60.0	13.2	40.9	74.4	83.4	78.9	66.2
Bolles	57	31	2	58.6	15.5	42.7	70.3	75.8	73.1	63.0
Boost	57	33	4	59.6	14.3	--	69.9	72.0	70.9	--
Brawn-SD	55	32	3	59.9	13.4	--	84.1	89.1	86.6	--
CAG Justify	57	33	3	58.7	12.3	48.0	82.4	93.6	88.0	74.7
CAG Reckless	55	34	2	59.5	14.2	49.9	75.2	83.8	79.5	69.6
CDC Landmark VB	55	33	2	59.6	14.7	--	--	81.8	--	--
CP3055	63	32	0	58.5	11.2	--	--	88.0	--	--
CP3099A	61	35	0	58.4	10.6	41.9	76.8	91.7	84.2	70.1
CP3119A	64	34	0	55.8	11.6	42.8	74.0	87.1	80.5	67.9
CP3188	56	31	5	58.7	12.0	43.7	77.2	80.8	79.0	67.2
CP3322	59	31	0	59.3	11.3	--	--	84.0	--	--
Dagmar	56	32	2	59.3	14.3	48.4	82.6	81.6	82.1	70.9
Driver	57	33	0	60.0	13.4	45.9	76.9	86.8	81.9	69.9
Elgin-ND	52	34	1	58.8	13.7	--	--	78.9	--	--
Glenn	52	32	1	60.6	14.6	41.6	71.2	73.3	72.2	62.0
Lang-MN	56	32	1	59.7	13.8	--	--	76.9	--	--
Lanning	54	31	0	58.1	13.9	48.6	77.3	78.5	77.9	68.1
LCS Ascent	51	30	1	59.6	13.1	--	80.9	80.0	80.4	--
LCS Boom	51	29	2	60.0	14.2	--	--	76.2	--	--
LCS Buster	59	33	1	58.7	11.6	43.5	81.3	90.6	85.9	71.8
LCS Cannon	50	29	1	60.2	14.3	48.5	79.6	76.3	77.9	68.1
LCS Dual	53	31	2	59.8	13.1	--	80.2	85.2	82.7	--
LCS Hammer AX	53	27	0	58.2	13.6	--	77.6	73.3	75.5	--
LCS Trigger	61	33	1	60.0	11.4	43.1	77.1	93.2	85.1	71.1
MN Rothsay	57	30	0	58.9	13.9	43.1	74.2	85.1	79.6	67.5
MN Torgy	55	30	1	58.8	14.4	45.2	77.1	85.4	81.2	69.2
MS Charger	53	30	4	59.8	12.2		86.5	88.9	87.7	--
MS Cobra	54	30	1	59.1	14.3	42.3	77.7	76.7	77.2	65.5
MS Ranchero	58	34	2	58.7	12.5	49.3	78.2	91.4	84.8	73.0

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Variety	Days to	Plant	Plant	Test	Grain	----- Grain Yield -----			Average Yield	
	Head	Height	Lodge	Weight	Protein	2021	2022	2023	2 yr	3 yr
	DAP ¹	inches	0-9 ²	lbs/bu	%	----- Bushels per acre -----				
<i>Table continues from previous page</i>										
ND Frohberg	55	32	1	59.7	14.4	46.0	73.7	78.4	76.0	66.0
ND Heron	52	31	3	59.4	14.7	47.7	74.3	75.7	75.0	65.9
ND Thresher	55	24	3	58.6	14.0	38.0	73.5	82.0	77.7	64.5
ND VitPro	53	30	2	60.2	14.7	39.4	71.6	74.3	72.9	61.8
PFS Buns	63	30	0	57.3	11.9	--	--	91.9	--	--
Shelly	57	30	2	58.9	13.1	--	78.9	86.4	82.7	--
SY 611 CL2	55	29	2	60.3	14.1	44.6	81.4	82.9	82.2	69.6
SY Ingmar	57	30	0	60.0	14.8	42.6	65.1	70.8	67.9	59.5
SY Longmire	56	31	3	59.6	14.2	40.2	70.7	76.6	73.7	62.5
SY McCloud	54	31	1	59.4	14.6	46.5	76.9	73.3	75.1	65.5
SY Valda	56	30	2	59.6	14.5	43.3	74.8	86.7	80.7	68.3
TCG Heartland	52	28	1	59.6	14.9	45.7	73.2	72.5	72.8	63.8
TCG Spitfire	57	32	1	58.8	13.4	42.6	77.4	84.2	80.8	68.1
TCG Teddy	56	28	1	58.9	13.7	--	--	78.5	--	--
TCG Wildcat	56	31	0	59.8	14.6	44.9	75.5	78.6	77.1	66.3
WB9590	53	26	1	58.4	14.3	43.2	77.6	79.1	78.4	66.6
WB9606	55	30	1	59.8	12.8	--	--	86.0	--	--
WB9719	56	31	1	61.0	13.2	--	--	81.6	--	--
Trial Mean	55.5	31.2	1.6	59.2	13.6	44.2	76.6	81.5	79.2	66.9
C.V. %	1.2	6.2	71.2	0.7	4.1	7.4	3.1	5.5	--	--
LSD 5%	0.8	2.3	1.3	0.5	0.7	3.8	2.8	5.2	--	--
LSD 10%	0.6	1.8	1.0	0.4	0.5	3.0	2.2	4.1	--	--

¹ Days to Head = the number of days from planting to head emergence from the boot.

² 0 = no lodging, 9 = 100% lodged.

Planting Date: April 24

Harvest Date: August 18

Previous Crop: Cover Crop Mix