

2023 Hard Red Spring Wheat Variety Trial at Minot

Variety	Days		Lodging	Test Weight	Protein	-----Grain Yield-----				
	to Head	Plant Height				2020	2022	2023	2-yr avg	3-yr avg
						-----bu/A-----				
AAC Brandon	27	30	1	60.0	15.2	--	62.2	62.5	62.3	--
AAC RimbeyVB	33	31	1	58.8	13.2	--	--	58.0	--	--
AAC Starbuck	28	34	1	60.5	15.6	--	52.4	65.0	58.7	--
AAC Westlock	40	31	4	57.8	13.5	--	--	45.9	--	--
AC Lillian	36	32	7	57.4	15.6	--	--	45.4	--	--
AP Gunsmoke CL2	28	31	2	60.2	14.7	--	57.7	68.4	63.0	--
AP Murdock	28	32	1	59.7	14.4	59.7	58.1	63.8	60.9	60.5
AP Smith	31	30	1	59.6	14.2	--	58.6	67.6	63.1	--
AR3530	31	33	5	59.5	14.6	67.8	55.5	62.7	59.1	62.0
AR3915	29	32	1	60.4	14.3	55.6	56.3	59.5	57.9	57.1
AscendSD	31	37	3	59.7	14.8	--	--	70.3	--	--
Bolles	34	35	1	59.4	15.7	59.1	61.5	70.4	65.9	63.7
Boost	35	33	2	60.0	14.9	--	58.9	60.2	59.5	--
BrawnSD	30	34	2	61.9	13.3	--	--	69.6	--	--
CAG Justify	31	30	4	57.3	13.4	--	66.7	63.2	64.9	--
CAG Reckless	30	35	1	60.7	14.5	--	56.3	70.7	63.5	--
CDC LandmarkVB	28	31	2	60.5	15.4	--	--	60.3	--	--
CP3099A	36	36	1	55.6	11.3	--	68.7	62.9	65.8	--
CP3119A	38	32	2	54.9	11.9	--	74.1	64.2	69.1	--
CP3188	31	30	6	58.3	12.9	--	59.4	62.0	60.7	--
CP3322	36	29	2	58.2	13.1	--	--	59.6	--	--
Dagmar	29	31	4	59.9	15.2	51.6	60.9	59.6	60.2	57.4
Driver	29	32	1	60.5	14.4	65.0	63.0	57.4	60.2	61.8
Elgin ND	28	37	2	60.2	13.8	--	--	68.9	--	--
FP23SW001	29	34	1	61.4	14.8	--	--	60.4	--	--
FP23SW002	27	36	1	60.3	14.9	--	--	64.8	--	--
Glenn	28	36	1	61.3	15.4	55.8	56.6	61.9	59.3	58.1
GP250	41	30	1	59.1	11.8	--	--	56.1	--	--
Lang MN	33	35	1	61.3	15.2	--	--	61.1	--	--
Lanning	36	32	1	59.6	15.3	56.4	63.4	62.3	62.8	60.7
LCS Ascent	26	28	2	60.2	13.7	--	65.1	68.0	66.6	--
LCS Boom	26	31	2	60.9	14.6	--	--	68.5	--	--
LCS Buster	37	33	2	59.3	12.1	75.9	66.8	71.8	69.3	71.5
LCS Cannon	25	25	2	61.1	14.9	56.3	59.2	65.7	62.4	60.4
LCS Dual	27	31	1	60.0	13.8	--	72.7	60.3	66.5	--
LCS Hammerax	27	27	1	59.5	14.4	--	--	61.4	--	--
LCS Rebel	26	34	2	61.2	15.3	60.2	61.0	69.4	65.2	63.5
LCS Trigger	37	34	1	61.1	11.7	73.0	66.7	70.6	68.7	70.1
MN Rothsay	32	29	1	60.3	13.8	--	70.1	64.4	67.2	--
MN Torgy	32	32	2	60.9	14.2	61.3	65.4	63.4	64.4	63.4
Mott	30	33	1	59.9	14.4	56.9	51.9	58.1	55.0	55.7
MS Charger	26	29	1	59.5	12.7	--	59.0	60.1	59.6	--

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2023 Hard Red Spring Wheat Variety Trial at Minot Continued

Variety	Days	Plant Height	Lodging	Test Weight	Protein	-----Grain Yield-----				
	to Head					0-9*	lbs/bu	%	2020	2022
	DAP ¹	inches				-----bu/A-----				
MS Cobra	27	31	1	60.4	14.6	--	55.2	61.7	58.4	--
MS Ranchero	42	35	2	59.2	14.2	59.6	52.1	53.5	52.8	55.1
MT Sidney	28	31	3	60.0	14.1	--	--	58.4	--	--
MTHRSW1	37	31	2	59.6	14.8	--	--	56.2	--	--
MTHRSW2	31	29	5	58.4	13.9	--	--	49.1	--	--
ND Frohberg	28	32	1	61.2	14.6	59.9	58.0	66.0	62.0	61.3
ND Herron	26	30	2	60.5	15.2	--	--	56.5	--	--
ND Thresher	33	33	3	58.3	14.2	--	--	59.4	--	--
ND Vitpro	29	33	1	61.0	15.1	52.3	54.2	58.0	56.1	54.8
PFS Buns	40	30	1	58.5	11.9	--	63.9	67.6	65.8	--
Shelly	30	28	1	60.7	13.4	64.3	63.8	64.1	64.0	64.1
SY Ingmar	28	30	2	60.1	14.6	55.9	53.5	59.0	56.2	56.1
SY Longmire	28	32	1	60.0	14.3	63.5	53.5	66.3	59.9	61.1
SY McCloud	28	32	1	60.8	14.9	53.3	66.7	54.6	60.7	58.2
SY Valda	28	31	1	60.4	14.1	52.1	57.4	61.4	59.4	57.0
SY 611 CL2	28	31	1	60.9	14.0	68.7	56.5	67.0	61.7	64.0
TCG Heartland	28	31	1	60.1	15.1	55.9	58.7	60.1	59.4	58.2
TCG Spitfire	34	31	1	59.8	13.9	68.9	62.6	61.7	62.2	64.4
TCG Teddy	30	27	1	59.2	14.0	--	--	58.8	--	--
TCG Wildcat	31	35	1	60.7	14.4	65.7	61.3	74.5	67.9	67.2
Vida	32	33	3	58.4	14.8	--	--	59.7	--	--
WB9590	30	26	1	59.9	14.8	--	59.0	66.9	63.0	--
WB9606	30	31	1	61.2	13.9	--	--	63.9	--	--
WB9719	32	31	1	61.6	14.1	--	--	65.1	--	--
Mean	31	32	2	59.9	14.2	60.6	60.6	62.5	--	--
C.V.%	0.6	7.5	57.5	1.1	3.1	10.3	8.7	11.0	--	--
LSD 5%	2	4	2	1.0	0.7	10.0	8.6	11.0	--	--
LSD 10%	2	3	1	0.9	0.6	8.4	7.2	9.2	--	--

¹ DAP = days after planting.

*Lodging: 0 = none, 9 = lying flat on the ground.

No-till planted on May 31 and harvested on September 14.

Previous crop: 2022 = fallow.

Note: The 2021 trial sustained extreme drought. Data not shown.