

2022 Hard Red Spring Wheat Variety Trial at Minot

Variety	Days	Plant Height	Lodging	Test		-----Grain Yield-----				
	to Head			Weight	Protein	2019	2020	2022	2 yr avg	3yr avg
	DAP ¹	inches	0-9*	lbs/bu	%	-----bu/A-----				
LCS Trigger	52	30	0	60.4	11.4	54.9	73.0	66.7	69.9	64.9
Faller	47	30	1	59.7	12.1	58.0	63.8	72.0	67.9	64.6
TCG Spitfire	46	27	0	59.7	12.8	49.8	68.9	62.6	65.8	60.4
MN Torgy	47	28	0	60.4	13.1	49.3	61.3	65.4	63.3	58.7
MS Barracuda	42	24	1	59.5	14.5	51.8	59.6	61.6	60.6	57.7
SY 611 CL2	44	24	0	60.6	13.7	47.1	68.7	56.5	62.6	57.4
Shelly	46	26	1	60.1	12.9	42.4	64.3	63.8	64.1	56.8
CP3530	46	29	2	59.1	14.3	47.0	67.8	55.5	61.7	56.8
LCS Rebel	42	29	3	60.8	14.0	48.3	60.2	61.0	60.6	56.5
Lanning	46	28	0	59.3	13.1	47.9	56.4	63.4	59.9	55.9
Bolles	46	28	0	59.6	13.9	45.6	59.1	61.5	60.3	55.4
ND Heron	42	27	1	60.5	14.6	51.3	58.8	55.9	57.4	55.3
TCG Heartland	44	26	0	60.6	14.2	49.5	55.9	58.7	57.3	54.7
SY Longmire	44	27	0	59.8	13.5	47.0	63.5	53.5	58.5	54.7
CP3915	45	27	0	60.0	13.3	50.3	55.6	56.3	55.9	54.1
Dagmar	42	27	2	59.2	14.8	48.7	51.6	60.9	56.2	53.7
SY McCloud	45	29	0	61.2	14.5	41.0	53.3	66.7	60.0	53.7
ND Frohberg	44	29	0	60.4	13.9	41.2	59.9	58.0	59.0	53.0
LCS Cannon	42	25	1	60.9	13.8	43.1	56.3	59.2	57.7	52.9
Mott	47	29	0	59.0	14.4	49.2	56.9	51.9	54.4	52.7
AP Murdock	44	25	0	59.2	13.0	40.2	59.7	58.1	58.9	52.7
MN Washburn	47	25	0	59.5	14.1	47.3	54.6	56.0	55.3	52.6
SY Valda	45	26	0	59.9	13.4	44.6	52.1	57.4	54.8	51.4
Glenn	42	30	1	61.7	14.6	39.2	55.8	56.6	56.2	50.5
Linkert	44	23	0	59.6	14.3	42.4	56.5	50.7	53.6	49.9
SY Ingmar	46	27	0	60.2	14.4	37.0	55.9	53.5	54.7	48.8
ND Vitpro	42	26	1	61.2	14.1	39.1	52.3	54.2	53.2	48.5
LCS Buster	51	30	0	58.1	11.5	--	75.9	66.8	71.4	--
Driver	46	28	0	61.1	13.4	--	65.0	63.0	64.0	--
TCG Wildcat	44	26	0	60.6	13.9	--	65.7	61.3	63.5	--
MS Ranchero	52	30	0	56.5	13.5	--	59.6	52.1	55.8	--
CP3119A	50	30	0	57.0	11.5	--	--	74.1	--	--
LCS Dual	43	27	0	60.7	13.1	--	--	72.7	--	--
MN Rothsay	48	27	0	59.9	13.0	--	--	70.1	--	--
CP3099A	49	30	0	58.4	12.1	--	--	68.7	--	--
CAG Recoil	53	28	0	59.4	12.6	--	--	66.9	--	--
CAG Justify	46	28	0	59.0	12.0	--	--	66.7	--	--
LCS Ascent	42	26	1	60.1	13.5	--	--	65.1	--	--
MT 1939	45	28	1	59.7	12.8	--	--	65.0	--	--
AAC Brandon	44	27	1	60.1	14.7	--	--	62.2	--	--
Ascend-SD	46	29	0	60.2	12.7	--	--	61.8	--	--
LCS Hammer AX	46	25	0	59.5	13.7	--	--	60.4	--	--
AAC Wheatland	44	28	0	60.6	13.8	--	--	60.1	--	--
CP3188	46	27	2	58.4	12.0	--	--	59.4	--	--
WB9590	43	24	0	59.9	13.8	--	--	59.0	--	--
MS Charger	43	25	1	59.8	12.7	--	--	59.0	--	--
Boost	46	27	0	59.3	14.1	--	--	58.9	--	--
MN18032-5	49	27	0	60.3	13.4	--	--	58.7	--	--
AP Smith	46	25	0	59.8	13.4	--	--	58.6	--	--

AP Gunsmoke CL2	43	26	2	59.6	13.3	--	--	57.7	--	--
CAG Reckless	46	28	0	60.8	13.8	--	--	56.3	--	--
ND Heron	42	27	1	60.5	14.6	--	--	55.9	--	--
MS Cobra	43	26	0	59.9	14.2	--	--	55.2	--	--
AAC Starbuck	43	27	0	60.4	14.1	--	--	52.4	--	--
SK Rush	46	29	0	58.9	13.9	--	--	50.4	--	--
Trial Mean	46	27	1	59.7	13.4	47.0	59.9	60.9	--	--
C.V.%	1.9	6.2	--	0.8	4.8	13.7	10.3	8.7	--	--
LSD 5%	1	3	--	0.8	1.0	10.4	10.0	8.6	--	--
LSD 10%	1	2	--	0.6	0.9	8.7	8.4	7.2	--	--

[†]DAP = Days after planting.

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

No-till planted on May 28 with a seeding rate of 1.25 million PLS/A and harvested on September 7.

Previous Crop: 2018, 2019 and 2021 = soybean.

Soil Type: Williams Loam

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