

2023 Hard Red Winter Wheat Variety Trial at Minot

Variety	Survival %	Heading	Plant	Test	Grain	-----Grain Yield-----				
		Date	Height inches	Weight lb/bu	Protein %	2020	2022	2023	2-yr avg	3-yr avg
-----bu/A-----										
Jerry	100	166	34	60.5	13.6	72.9	68.8	52.5	60.6	64.7
ND Noreen	93	167	33	62.9	14.0	79.5	59.7	56.6	58.2	65.3
Northern	83	168	29	61.4	13.5	70.0	67.3	52.7	60.0	63.3
MT1745	73	165	27	60.2	12.4	--	59.9	48.1	54.0	--
SD Andes	97	163	29	61.6	12.6	--	77.1	53.8	65.5	--
SD Midland	90	165	29	60.2	12.7	--	72.0	41.4	56.7	--
Winner	83	161	25	61.5	13.3	--	65.0	50.1	57.5	57.5
AAC-Wildfire	90	169	31	60.6	13.3	82.9	65.4	52.5	59.0	66.9
AAC Vortex	97	167	30	60.5	12.9	--	65.0	51.9	58.5	--
AC Goldrush	73	168	28	59.1	13.5	--	--	41.1	--	--
AC Emerson	93	168	31	60.9	14.2	76.6	55.6	42.7	49.1	58.3
MS Sundown	93	159	23	60.3	13.0	--	--	33.2	--	--
MS Maverick	70	166	26	58.8	13.6	--	53.2	34.6	43.9	--
AP Bigfoot	80	160	21	59.7	13.6	--	62.2	27.4	44.8	--
SY Monument	87	162	25	59.2	13.0	77.6	72.0	37.5	54.7	62.4
SY Wolverine	53	160	23	59.0	13.9	70.2	66.2	27.9	47.1	54.8
Keldin	57	169	28	57.6	13.4	88.1	71.5	31.7	51.6	63.8
WB4309	73	162	27	59.3	13.6	--	53.4	39.4	46.4	--
Trial Mean	83	165	28	60.3	13.3	--	--	43.6	--	--
C.V. %	18.0	1.0	8.7	1.4	3.7	--	--	11.2	--	--
LSD 5%	26	3	8	1.4	0.9	--	--	8.4	--	--
LSD 10%	21	2	7	1.2	0.7	--	--	7.0	--	--

Planted on September 26, 2022 with a seeding rate of 1 million live seeds/A and harvested on August 3, 2023.

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