

2022 Hard Red Winter Wheat Variety Trial at Minot

Variety	Spring	Heading	Plant	Lodging	Test	Grain	Grain Yield				
	Stand	Date	Height				Weight	Protein	2019	2020	2022
	%	June	inches	0 - 9 ¹	lbs/bu	%	bushels per acre				
Keldin	98	21	24	0	58.5	13.5	61.4	88.1	71.5	79.8	73.7
SY Monument	98	20	25	0	57.1	12.6	65.6	77.6	72.0	74.8	71.7
ND Noreen	95	20	27	0	58.3	13.7	61.8	79.5	59.7	69.6	67.0
Jerry	99	19	28	0	56.9	13.7	54.3	72.9	68.8	70.8	65.3
Northern	98	22	25	0	57.8	13.6	52.5	70.0	67.3	68.7	63.3
AC Emerson	98	21	27	0	56.5	14.4	56.0	76.6	55.6	66.1	62.7
SY Wolverine	98	16	23	0	58.9	13.9	46.5	70.2	66.2	68.2	61.0
AAC-Wildfire	96	23	27	0	55.8	13.8	--	82.9	65.4	74.2	--
SD Andes	97	19	27	0	59.8	12.7	--	--	77.1	--	--
SD Midland	96	19	27	0	58.9	12.5	--	--	72.0	--	--
WB4510CLP	94	21	25	0	59.6	13.1	--	--	66.8	--	--
AAC Vortex	98	20	28	0	56.1	14.3	--	--	65.0	--	--
Winner	98	17	25	0	58.3	12.9	--	--	65.0	--	--
Draper	98	17	26	0	58.0	13.5	--	--	62.9	--	--
AP Bigfoot	99	17	24	0	58.1	12.9	--	--	62.2	--	--
Ray	98	24	28	0	55.6	13.3	--	--	56.6	--	--
WB4309	87	18	23	0	57.5	14.1	--	--	53.4	--	--
MS Maverick	96	18	21	0	59.0	14.6	--	--	53.2	--	--
MS Iceman	85	20	22	0	59.1	15.4	--	--	50.1	--	--
Trial Mean	96	19	25	0	58.0	13.5	54.6	74.8	63.9	--	--
C.V. %	3.9	4.5	6.8	0.0	1.6	2.6	9.1	10.2	5.7	--	--
LSD 0.05	6	1	3	NS	1.5	0.6	8.1	12.6	6.0	--	--
LSD 0.10	5	1	2	NS	1.2	0.5	6.8	10.5	5.0	--	--

¹Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planting Date: September 14, 2021

Harvest Date: August 5, 2022

Seeding Rate: 1 million live seeds / acre

Previous Crop: 2018, 2019 and 2021 = soy

Tillage: No-till

Soil Type: Williams loam

Note: The 2021 trial sustained extreme drought, data not reported.