

2024 Hard Red Winter Wheat Variety Trial at Minot

Variety	Heading	Plant	Lodging	Test		Yield				
	Date	Height		Weight	Protein	2022	2023	2024	2-yr avg	3-yr avg
	DOY*	inches	1-9**	lbs/bu	%	bu/a				
AAC Coldfront	171	32	1	60.2	12.0	--	--	64.9	--	--
AAC Overdrive	171	29	1	55.9	12.5	--	--	65.7	--	--
AAC Vortex	173	33	1	60.0	12.2	65.0	51.9	57.0	54.5	58.0
AAC Wildfire	175	36	1	59.7	12.1	65.4	52.5	64.7	58.6	60.9
AC Emerson	173	35	1	60.6	12.5	55.6	42.7	67.7	55.2	55.3
Goldrush	174	33	1	58.1	12.7	--	41.1	58.9	50.0	--
Jerry	172	36	1	58.6	12.4	68.8	52.5	56.5	54.5	59.3
Keldin	175	28	1	58.2	12.5	71.5	31.7	66.5	49.1	56.6
LCS Chrome	172	31	1	58.6	13.1	--	--	61.7	--	--
LCS Steel AX	171	31	1	56.6	11.4	--	--	67.1	--	--
MS Maverick	168	27	1	59.3	12.8	53.2	34.6	68.5	51.6	52.1
ND Noreen	172	35	1	61.8	12.3	59.7	56.6	67.1	61.9	61.1
Northern	171	32	1	57.7	12.2	67.3	52.7	63.5	58.1	61.2
SD Andes	168	31	1	60.3	11.9	77.1	53.8	72.1	63.0	67.7
SD Midland	168	33	1	60.1	11.4	72.0	41.4	66.3	53.9	59.9
SD Pheasant (18B025-8)	171	30	1	58.3	12.4	--	--	65.1	--	--
SY Monument	168	26	1	56.7	11.7	72.0	37.5	59.4	48.5	56.3
WB4309	173	26	1	57.6	13.1	53.4	39.4	87.4	63.4	60.1
WB4422	169	25	1	58.2	13.0	--	--	90.6	--	--
Winner	168	30	1	60.5	11.9	--	--	71.6	--	--
Trial mean	171	31	1	58.8	12.2	63.9	43.6	65.2	--	--
C.V.%	1.6	6.4	0.0	2.6	3.9	5.7	11.2	9.8	--	--
LSD .05	5	3	NS	2.5	0.8	6.0	8.4	10.5	--	--
LSD .10	4	3	NS	2.1	0.7	5.0	7.0	8.8	--	--

*DOY = Day of Year as Julian date.

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

NS = no statistical difference between varieties.

Planting date: October 12, 2023

Harvest date: August 12, 2024

Seeding rate: 1.3 million live seeds/acre

Previous crop: Soybeans

Tillage system: no-till

Soil type: Williams loam