

2021 Hard Red Winter Wheat Variety Trial at Minot

Variety	Spring	Heading	Plant	Lodging	Test	Grain	Grain Yield				
	Stand	Date	Height				Weight	Protein	2019	2020	2021
	%	June	inches	0 - 9*	lbs/bu	%	bushels per acre				
Keldin	80	15	18	0	58.3	13.3	61.4	88.1	29.1	58.6	59.5
Ideal	67	15	17	0	58.4	13.8	61.5	83.1	18.7	50.9	54.4
ND Noreen	75	14	19	0	59.9	14.1	61.8	79.5	21.1	50.3	54.1
SY Monument	72	13	17	0	57.1	13.5	65.6	77.6	17.3	47.5	53.5
Jerry	78	14	19	0	58.1	13.8	54.3	72.9	26.5	49.7	51.2
TCG-Boomlock	78	14	16	0	59.6	14.2	52.3	76.9	21.7	49.3	50.3
AC Emerson	43	16	19	0	55.4	15.5	56.0	76.6	14.1	45.4	48.9
Northern	63	16	17	0	57.4	13.7	52.5	70.0	21.4	45.7	48.0
SY Wolf	82	12	15	0	58.9	14.3	49.0	72.6	19.3	46.0	47.0
WB4462	87	12	16	0	56.5	14.1	49.0	74.3	17.4	45.9	46.9
SY Wolverine	83	12	14	0	57.6	15.1	46.5	70.2	11.7	41.0	42.8
AAC-Wildfire	67	19	19	0	55.7	14.3		82.9	21.8	52.4	
Ray	77	18	19	0	56.3	13.4			22.6		
SD Andes	73	13	17	0	59.0	13.6			21.5		
Winner	80	12	16	0	58.8	14.5			18.3		
MS Iceman	62	13	15	0	60.3	15.4			16.8		
Draper	78	13	16	0	59.0	13.5			16.7		
Trial Mean	73	14	17	0	58.0	14.1	54.6	74.8	19.4	--	--
C.V. %	15.6	7.9	11.0	0	1.4	3.3	9.1	10.2	17.7	--	--
LSD 0.05	19	2	3	NS	1.4	0.8	8.1	12.6	5.6	--	--
LSD 0.10	16	2	3	NS	1.1	0.6	6.8	10.5	4.7	--	--

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

NS = no statistical difference between varieties.

Planting Date: September 29, 2020

Harvest Date: July 29, 2021

Seeding Rate: 1.3 million live seeds / acre

Previous Crop: 2018, 2019 and 2020 = soy

Tillage: No-till

Soil Type: Williams loam

Note: The 2021 trial sustained extreme drought.