

## 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	<b>2021*</b>	2 yr avg*	3 yr avg*
	%	June	inches	0 - 9 <sup>1</sup>	lbs/bu	%	bushels per acre				
Ideal	67	15	17	0	58.4	13.8	61.5	83.1	<b>18.7</b>	72.3	58.8
Keldin	80	15	18	0	58.3	13.3	61.4	88.1	<b>29.1</b>	74.8	58.6
SY Monument	72	13	17	0	57.1	13.5	65.6	77.6	<b>17.3</b>	71.6	57.9
AC Emerson	43	16	19	0	55.4	15.5	56.0	76.6	<b>14.1</b>	66.3	52.5
Jerry	78	14	19	0	58.1	13.8	54.3	72.9	<b>26.5</b>	63.6	51.0
Northern	63	16	17	0	57.4	13.7	52.5	70.0	<b>21.4</b>	61.2	48.0
SY Wolf	82	12	15	0	58.9	14.3	49.0	72.6	<b>19.3</b>	60.8	47.7
WB4462	87	12	16	0	56.5	14.1	49.0	74.3	<b>17.4</b>	61.7	47.2
ND Noreen	75	14	19	0	59.9	14.1	61.8	79.5	<b>21.1</b>	70.7	--
TCG-Boomlock	78	14	16	0	59.6	14.2	52.3	76.9	<b>21.7</b>	64.6	--
SY Wolverine	83	12	14	0	57.6	15.1	46.5	70.2	<b>11.7</b>	58.4	--
AAC-Wildfire	67	19	19	0	55.7	14.3	--	82.9	<b>21.8</b>	--	--
CP7017AX	73	13	15	0	57.1	13.3	--	76.7	<b>15.2</b>	--	--
CP7050AX	70	11	14	0	58.1	15.7	--	62.8	<b>14.9</b>	--	--
Ray	77	18	19	0	56.3	13.4	--	--	<b>22.6</b>	--	--
SD Andes	73	13	17	0	59.0	13.6	--	--	<b>21.5</b>	--	--
Winner	80	12	16	0	58.8	14.5	--	--	<b>18.3</b>	--	--
MS Iceman	62	13	15	0	60.3	15.4	--	--	<b>16.8</b>	--	--
Draper	78	13	16	0	59.0	13.5	--	--	<b>16.7</b>	--	--
WB4309	70	13	14	0	56.7	14.6	--	--	<b>16.0</b>	--	--
Trial Mean	73	14	17	0	58.0	14.1	54.6	74.8	<b>19.4</b>	--	--
C.V. %	15.6	7.9	11.0	0	1.4	3.3	9.1	10.2	<b>17.7</b>	--	--
LSD 0.05	19	2	3	NS	1.4	0.8	8.1	12.6	<b>5.6</b>	--	--
LSD 0.10	16	2	3	NS	1.1	0.6	6.8	10.5	<b>4.7</b>	--	--

<sup>1</sup>Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

***\*The 2021 trial sustained extreme heat and moisture stress. Data from this trial may be unreliable and should be viewed with caution. 2 and 3 year average yields do not include 2021 data.***

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