

NDSU North Central Research Extension Center

2020 Hard Red Winter Wheat Variety Trial at Minot

Variety	Spring	Heading	Plant	Lodging	Test	Grain	Grain Yield				
	Stand	Date	Height				Weight	Protein	2018	2019	2020
	%	June	inches	0 - 9*	lbs/bu	%	bushels per acre				
Peregrine	99	14	33	1	63.1	12.2	35.4	60.6	81.3	71.0	59.1
Ideal	99	12	30	1	62.9	12.7	31.8	61.5	83.1	72.3	58.8
Keldin	99	13	29	1	62.9	12.8	26.4	61.4	88.1	74.8	58.6
SY Monument	99	11	29	0	59.6	12.4	30.4	65.6	77.6	71.6	57.9
Thompson	99	10	33	0	62.9	12.8	33.1	57.7	81.7	69.7	57.5
Oahe	99	10	31	2	63.5	13.0	31.5	66.1	72.8	69.5	56.8
AC Emerson	99	12	31	0	62.6	13.9	25.0	56.0	76.6	66.3	52.5
Jerry	99	11	30	2	62.1	13.4	25.7	54.3	72.9	63.6	51.0
Northern	99	13	28	1	63.8	13.1	21.6	52.5	70.0	61.2	48.0
SY Wolf	99	11	27	0	64.1	12.6	21.6	49.0	72.6	60.8	47.7
Decade-Fhb1	99	8	27	0	62.2	13.5	28.9	46.6	67.3	57.0	47.6
WB4462	99	6	29	2	61.7	12.3	18.2	49.0	74.3	61.7	47.2
SY Sunrise	99	9	26	1	62.4	11.5	18.8	45.3	68.3	56.8	44.1
ND Noreen	99	11	32	1	64.8	13.8		61.8	79.5	70.7	--
WB4595	99	12	28	1	66.1	11.5	--	65.1	74.9	70.0	--
TCG Boomlock	99	11	29	2	64.1	13.6	--	52.3	76.9	64.6	--
SY Wolverine	98	7	24	0	65.0	13.0	--	46.5	70.2	58.4	--
AAC Wildfire	99	15	31	0	62.6	13.2	--	--	82.9	--	--
CP7017AX	99	7	25	2	61.6	11.5	--	--	76.7	--	--
CP7050AX	98	6	26	2	62.8	13.2	--	--	62.8	--	--
CP7909	99	5	26	2	61.5	12.2	--	--	56.3	--	--
Trial Mean	99	10	29	1	62.8	12.7	26.7	54.6	74.8	--	--
C.V. %	0.8	11.1	5.5	81	1.4	3.4	22.0	9.1	10.2	--	--
LSD 0.05	NS	2	3	1	1.4	0.7	9.6	8.1	12.6	--	--
LSD 0.10	NS	2	2	1	1.2	0.6	8.0	6.8	10.5	--	--

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

NS = no statistical difference between varieties.

Planting Date: September 17, 2019

Harvest Date: July 31, 2020

Seeding Rate: 1.3 million live seeds / acre

Previous Crop: 2017 = spring wheat, 2018 and 2019 = soy

Tillage: No-till

Soil Type: Williams loam

Note: The 2018 trial sustained dry growing conditions resulting in relatively low yields.