

2019 Hard Red Winter Wheat Variety Trial at Minot

Variety	Spring	Heading	Plant	Lodging	Test	Grain	Grain Yield				
	Stand	Date	Height		Weight	Protein	2017	2018	2019	2 yr avg	3 yr avg
	%	June	inches	0 - 9*	lbs/bu	%	bushels per acre				
Peregrine	98	15	31	1.0	62.4	11.7	89.8	35.4	60.6	48.0	61.9
SY Monument	99	12	24	0.0	60.0	11.8	84.1	30.4	65.6	48.0	60.0
Oahe	99	10	26	0.0	62.0	12.3	77.3	31.5	66.1	48.8	58.3
Ideal	99	13	25	0.0	60.8	12.3	74.9	31.8	61.5	46.7	56.1
Keldin	88	13	27	1.0	62.0	12.3	79.7	26.4	61.4	43.9	55.8
SY Wolf	98	11	24	0.0	62.5	13.7	87.3	21.6	49.0	35.3	52.6
Jerry	98	13	29	2.3	60.3	12.6	57.9	25.7	54.3	40.0	46.0
Overland-Fhb1	98	10	25	1.0	59.3	13.2	60.3	28.9	46.6	37.7	45.3
AC Emerson	98	14	29	0.3	62.1	14.1	53.9	25.0	56.0	40.5	45.0
Loma	92	15	23	1.0	61.7	14.0	62.8	18.1	48.8	33.4	43.2
Northern	96	14	25	0.7	62.6	13.5	54.6	21.6	52.5	37.1	42.9
SY Sunrise	99	9	21	0.0	61.3	11.9	55.0	18.8	45.3	32.0	39.7
Thompson	99	10	27	0.0	60.8	13.0	--	33.1	57.7	45.4	--
WB4462	99	7	23	2.0	61.5	12.5	--	18.2	49.0	33.6	--
WB4595	99	11	25	0.3	64.4	11.2	--	--	65.1	--	--
Decade-Fhb1	99	11	24	0.0	61.5	13.5	--	--	58.8	--	--
LCS Mint	98	10	24	1.0	63.2	12.6	--	--	54.2	--	--
LCS Link	94	10	24	0.3	62.2	12.9	--	--	54.1	--	--
TCG-Boomlock	98	12	25	1.0	61.5	13.2	--	--	52.3	--	--
LCS Chrome	99	11	25	1.0	61.2	13.4	--	--	52.1	--	--
LCS Fusion AX	80	13	25	1.0	61.0	12.4	--	--	51.8	--	--
Trial Mean		11	25	1.0	61.6	12.8	68.7	26.7	54.6	--	--
C.V. %		8	4.9	92.0	0.9	2.5	7.9	22.0	9.1	--	--
LSD 0.05		2	2	1.0	0.9	0.5	8.9	9.6	8.1	--	--
LSD 0.10		1	2	1.0	0.7	0.4	7.4	8.0	6.8	--	--

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

Planting Date: September 18, 2018

Harvest Date: August 6, 2019

Seeding Rate: 1.3 million live seeds / acre

Previous Crop: 2016 = canola, 2017 = spring wheat, 2018 = soy

Tillage: Transitional No-till (year 3)

Soil Type: Williams loam

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