

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	62.4	11.7	89.8	35.4	60.6	48.0	61.9
SY Monument	99	12	24	0	60.0	11.8	84.1	30.4	65.6	48.0	60.0
Oahe	99	10	26	0	62.0	12.3	77.3	31.5	66.1	48.8	58.3
Ideal	99	13	25	0	60.8	12.3	74.9	31.8	61.5	46.7	56.1
Keldin	88	13	27	1	62.0	12.3	79.7	26.4	61.4	43.9	55.8
SY Wolf	98	11	24	0	62.5	13.7	87.3	21.6	49.0	35.3	52.6
Jerry	98	13	29	2	60.3	12.6	57.9	25.7	54.3	40.0	46.0
Overland-Fhb1	98	10	25	1	59.3	13.2	60.3	28.9	46.6	37.7	45.3
AC Emerson	98	14	29	0	62.1	14.1	53.9	25.0	56.0	40.5	45.0
Loma	92	15	23	1	61.7	14.0	62.8	18.1	48.8	33.4	43.2
Northern	96	14	25	1	62.6	13.5	54.6	21.6	52.5	37.1	42.9
SY Sunrise	99	9	21	0	61.3	11.9	55.0	18.8	45.3	32.0	39.7
Thompson	99	10	27	0	60.8	13.0	--	33.1	57.7	45.4	--
WB4462	99	7	23	2	61.5	12.5	--	18.2	49.0	33.6	--
WB4595	99	11	25	0	64.4	11.2	--	--	65.1	--	--
Decade-Fhb1	99	11	24	0	61.5	13.5	--	--	58.8	--	--
LCS Mint	98	10	24	1	63.2	12.6	--	--	54.2	--	--
LCS Link	94	10	24	0	62.2	12.9	--	--	54.1	--	--
TCG-Boomlock	98	12	25	1	61.5	13.2	--	--	52.3	--	--
LCS Chrome	99	11	25	1	61.2	13.4	--	--	52.1	--	--
LCS Fusion AX	80	13	25	1	61.0	12.4	--	--	51.8	--	--
SY Wolverine	99	7	21	0	62.3	13.2	--	--	46.5	--	--
Trial Mean	97	11	25	1	61.6	12.8	68.7	26.7	54.6	--	--
C.V. %	6.7	8.4	4.9	92	0.9	2.5	7.9	22.0	9.1	--	--
LSD 0.05	NS	2	2	1	0.9	0.5	8.9	9.6	8.1	--	--
LSD 0.10	NS	1	2	1	0.7	0.4	7.4	8.0	6.8	--	--

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

NS = no statistical difference between varieties.

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.