

**NDSU Langdon Research Extension Center  
2020 Variety Trial Data**

**Hard Red Winter Wheat**

**Langdon**

Variety	Winter Survival	Days to Head	Plant Height	Test Weight	Protein	Grain Yield				
						2017	2019	2020	2-yr Avg.	3-yr Avg.
AAC-Wildfire	80	173	23	58.7	14.0	--	--	45.4	--	--
AC Emerson	47	173	24	59.5	14.7	89.8	87.3	40.8	64.1	72.6
CP7017AX	83	166	18	57.7	13.0	--	--	40.0	--	--
CP7050AX	79	165	18	59.6	14.9	--	--	31.6	--	--
CP7909	63	167	18	59.2	13.8	--	--	26.9	--	--
Ideal	63	172	21	59.2	13.3	16.3	85.7	43.3	64.5	48.4
Jerry	75	171	25	58.9	14.3	16.6	84.3	44.4	64.4	48.4
Keldin	52	173	21	58.5	14.0	83.9	89.2	36.3	62.8	69.8
ND Noreen	64	172	24	61.6	14.1	--	87.4	48.0	67.7	--
Northern	69	172	20	58.3	14.3	83.0	90.1	42.6	66.4	71.9
Oahe	66	169	20	59.30	14.00	105.1	83.4	39.3	61.4	75.9
Peregrine	71	173	27	60.2	13.2	79.5	90.0	43.8	66.9	71.1
SY Monument	71	169	19	56.3	13.6	80.7	85.4	35.8	60.6	67.3
SY Sunrise	43	170	17	57.9	13.4	86.2	82.0	23.9	53.0	64.0
SY Wolf	67	168	20	59.5	14.3	66.9	86.6	40.5	63.6	64.7
SY Wolverine	73	166	18	58.9	14.4	--	85.2	38.9	62.1	--
TCG-Boomlock	66	171	21	59.9	14.2	--	79.2	40.5	59.9	--
Thompson	56	170	22	58.6	13.8		90.3	39.6	65.0	--
WB4462	76	167	19	58.1	13.8	--	80.1	35.4	57.8	--
WB4595	34	172	20	59.4	13.5	--	88.6	20.5	54.6	--
Trial Mean	67.7	169.8	20.8	58.9	14.0	62.6	84.4	38.7	--	--
C.V. %	20.9	0.7	6.8	1.1	2.4	9.8	3.6	12.4	--	--
LSD 5%	20.0	1.8	2.0	1.0	0.5	8.7	4.3	6.8	--	--
LSD 10%	16.7	1.5	1.7	0.8	0.4	7.2	3.6	5.7	--	--

Planting Date: September 18, 2019

Harvest Date: August 11, 2020

Snowfall on October 11-12th was 20 inches.

Air temperatures were 6.6°F lower than average for October in 2019.

Overwinter leaf stage ranged from 1.5 to 2 leaf.

Severe stripe rust infections resulted in reduced yields in susceptible varieties in 2017

Trial was lost to winterkill in 2018.