

NDSU Langdon Research Extension Center
2019 Variety Trial Data

Hard Red Winter Wheat

Langdon

Variety	Winter Survival	Days to Head	Plant Height	Test Weight	Protein	Stripe Rust ¹		Grain Yield			2-yr Avg.	3-yr Avg.
						Inc.	Sev.	2016	2017	2019		
	%	Julian	in	lbs/bu	%	%	%	-----bu/a-----				
Jerry	98	171	34	59.1	11.2	86	36	64.7	16.6	84.3	50.5	55.2
Northern	99	172	30	59.2	11.1	60	6	92.5	83.0	90.1	86.6	88.5
Loma	95	172	28	58.3	11.3	50	3	75.0	72.3	78.4	75.4	75.2
Ideal	99	169	30	59.7	11.0	100	58	74.2	16.3	85.7	51.0	58.7
Oahe	98	167	29	59.7	11.5	8	1	--	105.1	83.4	--	--
Thompson	99	169	32	59.9	10.9	--	--	--	--	90.3	--	--
Peregrine	99	171	36	60.3	10.4	23	3	81.0	79.5	90.0	84.8	83.5
AC Emerson	97	172	33	60.4	11.5	7	1	85.8	89.8	87.3	88.6	87.6
WB4462	99	167	29	60.0	11.8	--	--	--	--	80.1	--	--
Keldin	99	173	29	60.5	10.9	39	3	--	83.9	89.2	--	--
WB4595	100	170	30	61.8	10.3	--	--	--	--	88.6	--	--
SY Wolf	98	167	29	59.5	11.5	34	8	92.0	66.9	86.6	76.8	81.8
SY Monument	100	168	29	58.3	11.0	5	1	98.3	80.7	85.4	83.1	88.1
SY Sunrise	100	166	24	59.4	11.4	12	2	99.9	86.2	82.0	84.1	89.4
SY Wolverine	100	166	27	59.7	11.5	--	--	--	--	85.2	--	--
TCG-Boomlock	97	170	30	60.3	11.6	--	--	--	--	79.2	--	--
Trial Mean	98	169	30	59.7	11.3	39	11	80.1	62.6	84.4	--	--
C.V. %	2.0	0.7	4.2	0.6	1.9	26	73	8.6	9.8	3.6	--	--
LSD 5%	2.8	1.7	1.8	0.5	0.3	21	15	11.3	8.7	4.3	--	--
LSD 10%	2.3	1.4	1.5	0.4	0.3	--	--	9.5	7.2	3.6	--	--

Planting Date: September 10, 2018

Harvest Date: August 19

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

¹Disease - Inc.=Incidence, Sev.=Severity

Trial was lost to winterkill in 2018.