

**NDSU Langdon Research Extension Center
2017 Variety Trial Data**

Hard Red Winter Wheat **Langdon**

Variety	Winter Survival	Days to Head	Plant Height	Lodging	Test Weight	Protein	DON	Stripe Rust ¹		Grain Yield			Average Yield			
										Inc.	Sev.	2015	2016	2017	2	3
															year	year
										-----bu/a-----						
Jerry	97	165	42	0	46.7	12.9	0.19	86	36	75.5	64.7	16.6	40.7	52.3		
Decade	100	163	37	0	45.5	12.2	0	78	13	84.4	73.5	27.9	50.7	61.9		
Lyman	89	162	40	0	47.3	12.7	0.30	89	29	84.2	80.6	35.0	57.8	66.6		
Ideal	100	164	39	0.3	44.3	12.4	0	100	58	80.1	74.2	16.3	45.3	56.9		
Overland	100	163	43	0	51.1	11.5	0	75	7	89.8	87.5	44.1	65.8	73.8		
SY Wolf	95	163	39	0	53.3	12.5	0.23	34	8	83.7	92.0	66.9	79.5	80.9		
WB Matlock	99	166	40	0	47.3	12.9	0.14	99	55	69.8	73.3	19.7	46.5	54.3		
Peregrine	100	165	45	0	57.0	10.8	0	23	3	78.2	81.0	79.5	80.3	79.6		
Accipiter	97	166	40	0	51.8	11.2	0.18	69	12	72.9	75.1	42.7	58.9	63.6		
Moats	99	164	43	0	60.6	12.3	0	7	1	77.1	82.7	96.3	89.5	85.4		
Flourish	98	163	38	0	54.9	11.5	0	30	5	74.7	89.9	74.5	82.2	79.7		
AC Broadview	97	163	39	0	43.9	11.6	0	100	42	76.2	86.5	25.2	55.9	62.6		
AC Emerson	99	164	40	0	60.2	11.9	0	7	1	85.0	85.8	89.8	87.8	86.9		
AC Gateway	99	164	39	0	53.6	12.3	0	48	8	78.8	88.4	59.1	73.8	75.4		
CDC Chase	99	164	44	0	60.3	12.1	0	10	2	85.2	89.9	96.1	93.0	90.4		
Redfield	98	162	38	0.8	50.7	12.2	0	79	11	79.2	84.0	53.1	68.6	72.1		
Ruth	99	162	40	0	56.1	11.2	0.21	27	5	--	81.2	85.4	83.3	--		
WB4614	99	164	38	0	54.7	12.5	0.45	53	8	--	87.9	57.4	72.7	--		
SY Monument	94	163	38	0	54.4	12.1	0.38	5	1	--	98.3	80.7	89.5	--		
SY Sunrise	93	163	34	0	56.6	11.6	0.45	12	2	--	99.9	86.2	93.1	--		
Northern	100	164	40	0	55.0	11.6	0.47	60	6	--	92.5	83.0	87.8	--		
Loma	91	166	37	0	53.7	11.9	0.64	50	3	--	75.6	72.3	74.0	--		
Oahe	99	162	42	0.3	60.7	11.3	0	8	1	--	--	105.1	--	--		
Keldin	98	163	40	0	56.8	11.2	0.42	39	3	--	--	83.9	--	--		
Trial Mean	97	164	40	0	53.3	11.9	0.16	50	13	79.6	80.1	62.6	--	--		
C.V. %	6.3	0.5	3.9	672.4	2.7	3.2	90.4	26	73	7.2	8.6	9.8	--	--		
LSD 5%	NS	1.3	2.2	NS	2.0	0.5	0.29	21	15	8.1	11.3	8.7	--	--		
LSD 10%	NS	1.1	1.8	NS	1.7	0.4	0.24	--	--	6.7	9.5	7.2	--	--		

Planting Date: September 15, 2016

Harvest Date: August 8

Fungicides were used in 2015 but not 2016-2017.

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

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