

**NDSU Carrington Research Extension Center
2016 Variety Trial Data**

Hard Red Winter Wheat															Carrington	
Variety	Disease ²		Heading Date	Plant Height	Hail Damage ³	--- Grain Protein ---		KWT	Test Weight		----- Grain Yield ⁴ -----			Adjusted Yield ⁴		
	Fungicide	No Fungicide				2016	3-yr. Avg.		Fungicide	No Fungicide	2016	2-yr. Avg.	3-yr. Avg.	Fungicide	No Fungicide	
	%	%	J Date	in	0-9	----- % -----		lb/bu	lb/bu	----- bu/ac -----	-----	-----	bu/ac	bu/ac		
Jerry	11.7	20.0	161.5	32.3	4.7	13.04	13.0	29.6	54.7	53.0	23.4	44.0	54.4	48.3	40.2	
Decade	2.7	11.7	160.0	29.0	5.0	13.41	13.7	26.8	55.0	53.9	24.5	44.3	54.1	49.2	49.8	
Lyman	13.7	15.0	156.5	28.8	4.7	13.70	13.7	31.6	55.9	55.5	29.8	43.1	51.2	51.6	60.5	
Ideal	4.3	18.3	159.7	28.0	3.5	12.69	12.3	26.5	55.5	54.6	29.2	46.6	57.4	51.6	41.1	
Overland	13.7	12.7	157.0	29.7	4.7	12.75	12.9	30.8	57.2	56.2	27.4	41.6	52.4	58.7	46.7	
SY Wolf	6.3	9.0	156.7	28.1	2.8	12.57	12.7	30.5	57.3	57.1	37.1	46.9	55.4	52.5	52.3	
WB Matlock	11.0	28.3	159.2	30.6	3.5	12.73	12.6	26.9	55.9	55.1	31.5	47.0	55.5	53.1	46.9	
Peregrine	2.0	2.3	161.0	32.3	5.2	13.14	12.1	26.0	55.5	55.1	26.6	46.5	56.8	58.5	53.1	
Accipiter	1.0	5.0	163.2	28.7	6.2	13.41	12.3	23.9	54.6	54.6	25.0	41.9	53.0	73.6	58.8	
Moats	7.7	2.3	160.3	32.3	6.0	13.08	12.6	26.4	55.1	54.1	24.9	43.7	51.4	67.7	59.9	
Flourish	2.7	8.7	159.5	28.0	6.3	13.28	13.0	29.0	54.6	54.3	26.7	42.1	49.7	75.1	78.8	
AC Broadview	2.3	9.3	160.5	26.4	3.5	12.93	12.2	25.6	55.1	54.9	30.0	48.8	58.2	45.4	46.8	
AC Emerson	8.3	5.0	160.5	29.9	2.7	13.82	13.5	25.0	56.5	56.8	27.7	44.2	53.9	39.2	36.9	
AC Gateway	6.3	4.0	161.2	27.5	1.2	13.84	13.4	27.0	56.5	56.2	32.8	44.4	51.2	37.0	37.5	
Colter	2.3	4.3	163.7	28.8	5.3	13.02	--	28.2	53.1	51.5	26.2	42.6	--	62.2	54.0	
CDC Chase	8.7	5.0	158.3	31.1	6.7	13.08	--	26.6	55.5	55.6	26.6	42.1	--	84.0	79.2	
Redfield	9.0	5.3	160.0	27.6	3.3	13.55	--	28.0	56.1	55.1	26.9	43.1	--	43.0	38.7	
WB4614	1.0	4.7	158.2	27.2	5.2	12.71	--	29.6	51.8	51.8	30.7	49.4	--	73.7	57.9	
SY Monument	7.3	11.0	157.0	29.4	4.0	11.83	--	30.3	55.3	55.1	32.8	--	--	57.0	53.0	
SY Sunrise	3.3	8.0	156.8	24.7	3.3	11.94	--	32.9	57.0	56.6	33.7	--	--	50.7	52.1	
Northern	8.0	5.0	161.5	28.7	2.0	12.86	--	28.5	55.0	55.0	39.7	49.4	--	45.9	54.1	
Loma	1.7	3.3	160.8	26.2	1.0	13.34	--	25.8	53.3	52.7	34.9	--	--	37.7	40.0	
Mean	6.8	10.2	159.5	29.6	4.3	13.25	--	28.3	55.6	55.1	28.4	--	--	54.3	51.0	
C.V. (%)	74.1	74.1	1.1	6.1	19.2	3.8	--	4.0	1.2	1.2	13.5	--	--	18.7	18.7	
LSD (0.05) ¹	-----1.9-----		.	.	.	0.2	--	.	-----0.2-----		.	--	--	-----2.9-----		
LSD (0.05)	7.2	7.2	1.9	2.0	0.9	0.57	--	1.3	0.8	0.8	4.4	--	--	11.3	11.3	
LSD (0.10)	6.0	6.0	1.6	1.7	0.8	0.48	--	1.1	0.7	0.7	3.7	--	--	9.4	9.4	

Planting Date = September 17, 2015; Harvest Date = July 25; Previous Crop = Barley

Fungicide: Prostaro applied at Heading

Hail occurred on July 9th causing significant damage to the trial

¹LSD representing the separation between columns

²Percent of the flag leaf affected by stripe rust

³A visual estimate of the hail damage in each plot; 0=no damage and 9=complete loss

⁴Yield as is for each plot, and a yield adjusted to estimate yield potential prior to hail loss

Data includes only released varieties. Experimental lines are not included. Statistics reflect the entire trial.