

**Hard Red Spring Wheat - 2005**

**Langdon**

Variety	Days to Head	Plant Height	Tomb-stone	Test Weight	Protein %	Shatter* seeds/ft <sup>2</sup>	Grain Yield			Average Yield	
							2003	2004	2005	2 year	3 year
AC Amazon	57	42	7.0	57.6	14.7	25	71.2	64.1	50.1	57.1	61.8
AC Superb	54	35	1.8	57.5	14.5	1	83.0	63.0	45.8	54.4	63.9
Alsen	54	34	0.8	60.2	15.5	16	75.1	66.1	55.7	60.9	65.6
Banton	55	37	3.0	59.8	14.9	3	--	64.3	60.3	62.3	--
Bigg Red	55	38	0.5	61.6	13.3	135	--	--	51.9	--	--
Briggs	53	35	2.5	59.3	15.5	15	78.6	75.3	56.0	65.7	70.0
Buck Pronto	53	34	2.0	58.6	15.7	2	--	--	51.1	--	--
Burnside	58	41	5.0	56.8	16.5	11	82.1	72.7	48.1	60.4	67.6
Dapps	54	40	0.5	59.2	16.2	45	78.2	67.2	65.4	66.3	70.3
Express	56	29	4.8	57.4	15.6	57	--	--	53.0	--	--
Freyr	54	35	1.3	57.6	15.2	8	--	68.2	50.1	59.2	--
Glenn	54	37	0.5	61.8	15.2	0	80.0	66.7	58.5	62.6	68.4
Granger	54	39	1.5	59.6	15.0	136	--	66.9	48.9	57.9	--
Granite	57	34	3.5	60.8	15.7	10	77.3	65.6	57.9	61.8	66.9
Gunner	56	37	1.0	60.5	16.0	8	70.6	59.9	47.6	53.8	59.4
Hanna	54	38	0.8	59.6	15.3	0	80.8	77.5	58.1	67.8	72.1
Ingot	52	38	1.5	60.9	15.0	70	77.4	61.6	45.0	53.3	61.3
Knudson	56	35	1.3	59.0	14.2	9	81.9	66.4	65.2	65.8	71.2
Norpro	55	32	1.5	57.6	15.2	16	75.9	73.0	56.3	64.7	68.4
Oklee	54	35	1.8	60.5	14.9	70	80.3	65.0	53.0	59.0	66.1
Oxen	54	34	1.8	57.0	14.3	46	76.2	59.8	51.8	55.8	62.6
Parshall	54	39	1.3	60.3	15.3	28	82.6	63.6	55.6	59.6	67.3
Polaris	60	36	1.8	59.7	13.8	0	80.8	70.1	67.0	68.6	72.6
Reeder	55	34	3.5	57.7	14.7	14	81.0	67.2	51.2	59.2	66.5
Russ	53	37	3.8	58.1	14.1	17	83.3	61.9	53.1	57.5	66.1
Saturn	59	35	5.5	55.9	15.8	11	70.2	65.2	50.4	57.8	61.9
Steele-ND	53	35	2.3	60.6	15.3	5	78.5	70.0	56.0	63.0	68.2
Trooper	53	32	4.3	59.5	14.3	0	--	72.9	55.4	64.2	--
Ulen	54	35	1.8	58.5	14.7	98	85.8	56.1	48.0	52.1	63.3
Trial Mean	55	36	2.1	59.1	15.0	38.7	79.7	67.1	54.4	--	--
C.V. %	1.4	3.5	59.7	0.7	2.9	79.6	4.9	9.2	6.4	--	--
LSD 5%	1.1	1.8	1.8	0.6	0.6	43	5.5	8.6	4.9	--	--

Lodging: No lodging in trial. Planting Date: May 16 Harvest Date: September 6

\*High sustained winds occurred six days prior to harvest resulting in shattering in some varieties. A rough estimate of shatter seed loss on each plot was recorded. A 1000 KWT of 31 grams would require 20 seeds/ft<sup>2</sup> to equal one bushel per acre. This number would vary depending on the kernel size of the variety. Differences in shattering between varieties may be due to the varieties genetic susceptibility to shatter and/or it maturity. The LSD 5% for shatter is 43, so for example, a variety with 50 or 90 seeds/ft<sup>2</sup> seed loss would not be significantly different from one another. In 2004, hail shattering was also recorded in the hrsw trial at Langdon. Please refer to the 2004 table for that information. Please observe both the shatter and yield data carefully when using this data.