

North Dakota State University * Dickinson Research Extension Center
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Hard Red Spring Wheat - Recrop Dickinson, ND										
Variety	Seeds per Pound	Plant Height	Test Weight	Protein	Grain Yield			Returns	Average Yield	
					1999	2000	2001		2 Year	3 Year
		in	lbs/bu	%	-----bu/ac-----			\$/ac	----bu/ac----	
2375	13,687	28	62.7	15.2	47.1	63.4	42.6	132.22	53.0	51.0
AC Intrepid	14,489	28	60.8	16.7	--	--	32.4	105.18	--	--
AC Superb	14,731	27	61.8	16.1	--	--	37.6	111.05	--	--
Alsen	15,642	27	63.3	16.1	49.5	60.9	37.7	116.22	49.3	49.4
Amidon	15,991	30	61.9	15.8	--	--	43.6	121.46	--	--
Argent*	13,759	26	62.9	16.4	45.6	63.6	35.3	--	49.4	48.2
Aurora	15,492	20	61.6	14.7	51.8	66.3	37.8	117.68	52.1	52.0
Butte 86	14,405	26	61.9	16.5	44.8	71.8	38.6	120.96	55.2	51.7
Conan	12,850	25	62.4	15.5	44.6	56.8	36.5	111.57	46.7	46.0
Dandy	13,507	26	62.4	15.8	51.8	64.3	31.4	85.02	47.9	49.2
Ember	15,838	25	63.3	15.2	51.5	75.2	37.8	109.90	56.5	54.8
Ernest	14,061	30	62.8	16.4	45.3	57.7	38.6	108.09	48.2	47.2
Forge	15,953	28	63.8	15.0	53.9	65.0	37.9	108.18	51.4	52.3
Grandin	14,310	25	62.6	15.9	48.9	61.1	36.6	106.33	48.8	48.9
Gunner	15,486	27	63.2	16.7	47.4	61.8	40.9	136.59	51.4	50.0
Hagar	13,252	23	61.7	15.8	45.9	63.4	38.2	112.35	50.8	49.2
HJ 98	15,452	26	62.4	15.3	51.2	64.4	41.1	105.11	52.7	52.2
Ingot	14,927	27	63.6	16.2	54.6	67.3	30.6	80.96	49.0	50.8

Ivan	15,029	22	63.0	14.5	52.9	59.9	44.9	121.82	52.4	52.6
Keene	16,089	29	62.8	16.1	49.1	70.6	38.9	113.61	54.8	52.9
Keystone	15,319	27	63.8	15.2	--	--	37.2	106.03	--	--
Knudson	14,847	23	63.1	15.5	--	--	39.5	110.41	--	--
McKenzie	16,496	28	62.6	16.1	48.3	73.4	39.7	127.27	56.6	53.8
McVey	14,864	25	61.3	13.7	51.6	66.2	42.7	120.04	54.4	53.5
Mercury	14,337	22	62.6	15.5	47.2	70.2	36.0	100.37	53.1	51.1
Norpro	14,739	24	62.8	15.5	54.9	69.5	42.4	121.17	56.0	55.6
Oxen	15,630	24	61.9	15.8	53.6	64.0	41.7	126.23	52.9	53.1
Parshall	15,331	28	63.2	16.5	45.1	59.4	37.0	112.19	48.2	47.2
Pristine*	13,079	22	63.0	14.9	--	--	33.2	--	--	--
Prodigy	16,273	31	62.2	16.8	43.9	71.5	40.6	123.57	56.0	52.0
Reeder	15,038	26	62.2	15.8	48.7	72.0	42.0	110.61	57.0	54.2
Russ	14,688	25	62.4	15.6	53.1	54.6	36.3	107.64	45.4	48.0
Scholar	14,189	27	62.2	15.9	44.4	76.2	36.0	108.88	56.1	52.2
Trenton	13,634	29	62.4	16.0	46.7	68.6	36.6	110.66	52.6	50.6
Walworth	16,730	26	61.5	15.8	--	54.1	43.0	104.11	48.6	--
Zeke	13,674	22	60.6	15.1	--	64.0	37.1	98.29	50.6	--
Trial Mean	14,829	26	62.6	15.8	47.9	65.6	38.5	111.23	--	--
C.V. %	6.5	9.5	0.7	--	8.0	10.6	11.1	--	--	--
LSD .05	1,348	3	0.6	--	5.4	9.7	6.0	--	--	--

Planting Date: April 30

Harvest Date: August 17

*Hard White Spring Wheat

Returns were calculated by multiplying the 2001 yield by protein premium or discount paid at the Southwest Grain Terminal located at Gladstone on September 17. The price paid on this date was \$2.74/bu, assuming that grain protein concentration was 14%. An additional \$.02/bu was paid for each additional 0.25% increase in grain protein up to 15% protein, where an additional \$0.5/bu was paid. An additional \$0.01/bu was paid for each additional 0.25% increase in grain protein up to 17%, above which an additional premium was not

paid. Grain was discounted \$0.05/bu for each 0.25% reduction in grain protein from 14% to 11%, below which no additional discount was not assigned. Returns factored in discounts for grain with a test weight <58 lb/bu [-\$0.01/bu for 0.5 lb/bu between 58 and 57 lb/bu; - \$0.02/bu for 0.5 lb/bu between 57 and 55 lb/bu; -\$0.03/bu for 0.5 lb/bu between 55 and 50 lb/bu; and -\$0.04/bu for 0.5 lb/bu between 50 and 46 lb/bu]

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