

2004 Hard Red Spring Wheat - Alfalfa burn down

Dickinson, ND

Variety	Days to Head	Seeds per Pound	Plant Height in	Test Weight lbs/bu	Protein %	----- Grain Yield-----			Returns \$/ac	----- Average Yield-----	
						2002	2003	2004		Year 2	Year 3
						-----bu/ac-----			-----bu/ac-----		
AC Glenavon	77	11,874	22	61.0	17.2	38.6	63.7	15.2	72.09	39.5	39.2
AC Superb	78	14,680	19	62.0	16.8	47.7	60.8	26.5	123.54	43.6	45.0
Alsen	77	15,273	21	61.5	17.4	45.7	61.4	27.5	130.01	44.4	44.9
Amazon	81	12,923	23	59.5	17.9	40.9	54.5	14.1	66.91	34.3	36.5
Banton	76	14,446	18	63.0	17.6	--	--	14.9	70.41	--	--
Briggs	76	14,824	22	61.0	17.5	44.9	57.3	24.1	113.92	40.7	42.1
Choteau	76	14,921	15	61.0	18.1	--	--	18.3	86.70	--	--
Dapps	76	14,446	18	60.0	18.4	42.7	60.6	11.5	54.32	36.0	38.3
ES 54	81	13,581	18	61.0	18.6	--	55.6	7.6	35.91	31.6	--
Freyr	76	13,829	20	61.0	17.3	--	--	29.7	140.34	--	--
Granger	75	13,829	20	63.0	17.5	--	68.9	26.7	126.41	47.8	--
Granite	79	18,144	18	63.0	18.0	41.5	56.4	29.7	140.55	43.1	42.5
Gunner	78	15,120	20	61.0	18.1	43.8	58.8	27.5	130.27	43.2	43.4
Hanna	77	16,200	22	62.0	16.7	45.4	60.9	31.9	148.89	46.4	46.1
Ingot	74	15,750	22	63.0	17.7	45.9	64.1	25.8	122.02	44.9	45.3
Keene	78	17,053	18	61.0	17.5	47.2	61.3	30.2	142.61	45.7	46.2
Keystone	76	15,972	21	61.5	17.2	43.9	55.0	23.7	111.90	39.3	40.9
Knudson	77	14,775	18	62.5	17.2	44.6	62.8	23.6	111.48	43.2	43.7
McKenzie	76	14,632	18	59.0	18.4	43.4	63.6	14.2	67.28	38.9	40.4
Mercury	76	18,072	19	59.0	17.7	44.2	61.6	30.2	142.96	45.9	45.3
Norpro	78	14,000	19	62.0	17.4	45.9	63.0	27.6	130.38	45.3	45.5
Oklee	75	15,376	18	61.5	18.5	--	57.7	24.7	116.97	41.2	--
Outlook	77	15,221	18	60.5	17.1	45.0	62.1	30.3	143.12	46.2	45.8
Oxen	75	14,585	19	62.0	17.2	45.2	66.1	28.3	133.65	47.2	46.5
Parshall	75	15,481	18	62.0	17.6	44.9	62.5	21.2	100.25	41.8	42.9
Polaris	80	17,117	17	62.0	17.3	--	--	20.1	94.96	--	--
Reeder	78	19,220	19	59.0	18.5	47.1	65.4	28.4	134.21	46.9	47.0
Russ	76	14,872	20	62.5	17.3	40.0	64.4	25.7	121.77	45.1	43.4
Saturn	79	14,872	18	59.0	18.1	--	--	30.5	144.23	--	--
Steele-ND	76	14,354	21	62.0	17.5	46.1	63.9	26.5	125.30	45.2	45.5
Trooper	75	13,072	17	63.0	16.8	--	--	22.6	105.54	--	--
Trial Mean	76	14,969	20	61.6	17.5	44.1	60.8	24.0	113.25	--	--
CV %	1.2	--	10.3	--	--	7.1	6.0	17.8	--	--	--
LSD 0.05	1	--	3	--	--	4.4	5.1	NS	--	--	--

Planting Date: April 12, 2004

Harvest Date: August 16, 2004

Previous Crop: Alfalfa burn down

Seeding Rate: 1.2 million live seeds/ac

Returns were calculated by multiplying the 2004 yield by protein premium or discount paid at the Southwest Grain Terminal located at Gladstone on October 18. The price paid on this date was \$3.53/bu, assuming that grain protein concentration was 14%. An additional \$.09/bu was paid for each additional 0.2% increase in grain protein up to 15%, 15% protein received an additional \$.45/bu. \$.03/bu was paid for each additional 0.2% increase in grain protein from 15% to 17% protein, above which an additional premium was not paid. Grain was discounted \$0.11/bu for each 0.2% reduction in grain protein from 14% to 13%, an additional discount of \$.07/bu for each 0.2% reduction in grain protein from 13% to 11%, below which no additional discount was not assigned. Returns factored in discounts for grain with a test weight <58 lb/bu [-\$.01/bu for 0.5 lb/bu between 58 and 57 lb/bu; -\$.02/bu for 0.5 lb/bu between 57 and 55 lb/bu; -\$.03/bu for 0.5 lb/bu between 55 and 50 lb/bu; and -\$.04/bu for 0.5 lb/bu between 50 and 46 lb/bu].