

2004 Hannover Hard Red Spring Wheat
Dickinson, ND

Variety	Seeds per Pound	Plant Height in	Test Weight lbs/bu	Protein %	Returns \$/ac	Grain Yield bu/ac
Alsen	15,722	31.7	58.0	17.1	188.25	39.8
Amazon	13,747	38.4	58.5	17.0	163.19	34.5
Briggs	15,758	36.2	58.3	17.4	162.71	34.4
Dapps	16,352	38.8	58.3	17.6	171.23	36.2
Freyr	17,096	35.7	58.3	17.3	195.35	41.3
Granite	17,239	32.3	60.7	17.2	224.20	47.4
Gunner	18,232	37.8	59.5	17.8	196.30	41.5
Hanna	15,416	39.6	59.2	15.3	171.71	38.5
Knudson	14,223	32.3	59.7	15.1	202.01	45.6
Mercury	15,246	29.8	57.2	15.5	205.18	45.8
Parshall	15,594	40.9	59.8	15.8	238.42	52.4
Reeder	18,661	35.2	59.0	17.3	213.80	45.2
Russ	16,455	38.4	58.3	16.3	165.96	36.0
Steele-ND	17,179	33.2	56.8	15.4	190.87	42.7
Trial Mean	16,224	36	58.7	16.6	192.25	41.6
CV %	6.8	6.9	2.2	6.2	--	15.6
LSD 0.05	1,832	4	2.1	NS	--	NS

Planting Date: April 28, 2004
Harvest Date: August 26, 2004
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].