

Hard Red Winter Wheat - Recrop

Dickinson,ND

| Variety | Heading Date ¹ | Seeds per Pound | Height | Lodging Score ² | Test Weight | Protein | Grain Yield | | | Returns | Average Yield | |
|-------------|---------------------------|-----------------|--------|----------------------------|-------------|---------|-----------------|------|------|---------|---------------|--------|
| | | | | | | | 2001 | 2002 | 2003 | | 2 Year | 3 Year |
| | June | | in | 0-9 | lbs/bu | % | -----bu/ac----- | | | \$/ac | ----bu/ac---- | |
| Agassiz | 16 | 13,137 | 41 | 1.3 | 62.4 | 14.3 | 51.7 | 40.8 | 74.1 | 215.63 | 57.4 | 55.5 |
| Alliance | 13 | 13,009 | 32 | 1.0 | 61.5 | 12.6 | 32.7 | 46.9 | 65.7 | 187.25 | 56.3 | 48.4 |
| Arapahoe | 16 | 13,776 | 37 | 1.3 | 61.2 | 13.8 | 48.7 | 46.9 | 69.1 | 200.39 | 58.0 | 54.9 |
| CDC Falcon | 15 | 16,575 | 29 | 1.0 | 60.8 | 12.9 | -- | 55.4 | 83.4 | 238.52 | 69.4 | -- |
| CDC Kestrel | 17 | 15,105 | 38 | 1.0 | 57.7 | 12.5 | 48.7 | 39.4 | 80.2 | 226.97 | 59.8 | 56.1 |
| CDC Raptor | 18 | 14,924 | 35 | 1.0 | 59.6 | 13.2 | -- | 41.3 | 76.5 | 219.56 | 58.9 | -- |
| Crimson | 16 | 12,449 | 36 | 1.3 | 61.1 | 13.9 | 34.3 | 46.8 | 73.8 | 214.02 | 60.3 | 51.6 |
| Elkhorn | 17 | 15,027 | 39 | 1.3 | 59.5 | 13.5 | 50.1 | 37.3 | 73.9 | 213.57 | 55.6 | 53.8 |
| Expedition | 14 | 12,352 | 30 | 1.0 | 61.7 | 13.3 | -- | 50.3 | 70.8 | 203.90 | 60.6 | -- |
| Good Streak | 16 | 13,207 | 37 | 1.0 | 63.2 | 13.5 | -- | -- | 73.4 | 212.13 | -- | -- |
| Harding | 16 | 14,848 | 37 | 1.0 | 59.3 | 13.9 | 42.1 | 52.5 | 70.3 | 203.87 | 61.4 | 55.0 |
| Jagalene | 15 | 12,055 | 29 | 1.0 | 63.4 | 13.9 | -- | -- | 76.2 | 220.98 | -- | -- |
| Jerry | 16 | 11,468 | 37 | 1.0 | 60.2 | 13.5 | 43.4 | 43.3 | 76.7 | 221.66 | 60.0 | 54.5 |
| Millenium | 15 | 13,687 | 34 | 1.0 | 63.0 | 13.8 | -- | 49.3 | 79.4 | 230.26 | 64.3 | -- |
| Morgan | 18 | 15,144 | 36 | 1.0 | 60.0 | 13.3 | -- | 40.4 | 80.0 | 230.40 | 60.2 | -- |
| Nekota | 13 | 13,542 | 31 | 1.0 | 61.4 | 13.9 | 35.1 | 47.4 | 59.3 | 171.97 | 53.4 | 47.3 |
| Northstar | 19 | 14,201 | 41 | 1.0 | 60.5 | 13.5 | 51.6 | 32.9 | 81.4 | 235.25 | 57.1 | 55.3 |
| Paul | 17 | 17,032 | 33 | 1.0 | 56.6 | 13.4 | -- | -- | 84.6 | 238.57 | -- | -- |
| Ransom | 16 | 15,815 | 37 | 1.0 | 59.5 | 13.1 | 45.4 | 44.6 | 80.3 | 230.46 | 62.5 | 56.8 |
| Roughrider | 17 | 13,880 | 39 | 1.3 | 61.5 | 14.1 | 46.1 | 22.8 | 66.6 | 193.81 | 44.7 | 45.2 |
| Seward | 19 | 15,595 | 40 | 1.0 | 61.9 | 13.4 | 42.4 | 33.7 | 82.5 | 237.60 | 58.1 | 52.9 |
| Tandem | 15 | 11,635 | 36 | 1.0 | 62.8 | 14.9 | 32.3 | 39.2 | 63.3 | 184.20 | 51.3 | 44.9 |
| McClintock | 16 | 14,387 | 39 | 1.0 | 61.6 | 13.5 | -- | -- | 83.8 | 242.18 | -- | -- |
| Wahoo | 15 | 15,466 | 33 | 1.0 | 59.3 | 13.0 | -- | 48.0 | 83.3 | 239.07 | 65.7 | -- |
| Wesley | 13 | 11,424 | 28 | 1.0 | 61.8 | 13.9 | -- | 45.2 | 65.9 | 191.11 | 55.6 | -- |
| Windstar | 14 | 14,960 | 39 | 1.0 | 62.1 | 13.9 | 42.0 | 43.2 | 69.1 | 200.39 | 56.1 | 51.4 |
| Trial Mean | 16 | 14,157 | 35 | 1.0 | 60.8 | 13.5 | 43.1 | 42.8 | 75.0 | 216.26 | -- | -- |
| C.V. % | 5.4 | 15.6 | 4.9 | 19.9 | 2.6 | 1.5 | 13.9 | 12.4 | 9.5 | -- | -- | -- |
| LSD .05 | 1 | 3,104 | 2 | NS | 2.2 | 0.4 | 8.6 | 8.2 | 10.0 | -- | -- | -- |

Planting Date: September 17 , 2002

Harvest Date: August 1, 2003

¹Winterkill notes were not recorded since little winter injury was observed.

²Lodging 0=No lodging, 9=Completely flat

Returns were calculated by multiplying the 2003 yield by protein premium or discount paid at the Southwest Grain Terminal located at Gladstone on August 26. The price paid on this date was \$2.83/bu, assuming that grain protein concentration was 12%. An additional \$.01/bu was paid for each additional 0.25% increase in grain protein up to 14% protein. Grain was discounted \$0.02/bu for each 0.25% reduction in grain protein from 12% to 10%, below which no additional discount was assigned. Returns factored in discounts for grain with a test weight < 60 lb/bu [-\$.01/bu per 1 lb/bu between 60 and 58 lb/bu; -\$.01/bu per 0.5 lb/bu between 58 and 57 lb/bu; -\$.02/bu per 0.5 lb/bu between 57 and 55 lb/bu; and -\$.04/bu per 0.5 lb/bu between 55 and 50 lb/bu; and -\$.06/bu per 0.5 lb/bu between 50 and 46 lb/bu].