

## 2009 Hard Red Spring Wheat – Continuously Cropped - No-till

Hettinger

| Variety    | Days to Head | Plant Height | Sawfly ** | Test Weight | Grain Protein | ---- Grain Yield ----        |      |      | Average Yield |      |
|------------|--------------|--------------|-----------|-------------|---------------|------------------------------|------|------|---------------|------|
|            | *            | inches       | %         | lbs/bu      | %             | 2007                         | 2008 | 2009 | 2 yr          | 3 yr |
|            |              |              |           |             |               | ----- Bushels per acre ----- |      |      |               |      |
| RB07       | 61           | 32           | 8         | 57.4        | 15.0          | 39.0                         | 51.6 | 42.4 | 47.0          | 44.3 |
| Steele-ND  | 62           | 35           | 12        | 58.5        | 13.8          | 41.2                         | 48.1 | 39.2 | 43.6          | 42.8 |
| Briggs     | 62           | 33           | 12        | 58.0        | 14.8          | 47.1                         | 43.9 | 36.6 | 40.2          | 42.5 |
| Granite    | 66           | 35           | 3         | 55.4        | 15.4          | 37.2                         | 42.8 | 46.1 | 44.4          | 42.0 |
| Knudson    | 64           | 34           | 6         | 55.8        | 13.0          | 36.0                         | 47.2 | 41.1 | 44.2          | 41.4 |
| Kelby      | 61           | 30           | 6         | 57.5        | 14.6          | 38.2                         | 50.9 | 33.7 | 42.3          | 40.9 |
| Reeder     | 62           | 34           | 11        | 57.9        | 14.1          | 38.5                         | 38.3 | 45.3 | 41.8          | 40.7 |
| Freyr      | 63           | 36           | 9         | 56.4        | 13.0          | 35.7                         | 47.9 | 35.6 | 41.8          | 39.7 |
| Howard     | 61           | 35           | 9         | 57.7        | 13.7          | 37.2                         | 39.3 | 41.8 | 40.6          | 39.4 |
| Alsen      | 63           | 35           | 4         | 56.5        | 14.5          | 37.8                         | 48.2 | 31.9 | 40.0          | 39.3 |
| Barlow     | 61           | 35           | 11        | 57.2        | 14.4          | 36.1                         | 43.1 | 37.2 | 40.2          | 38.8 |
| Faller     | 64           | 35           | 11        | 55.8        | 13.8          | 42.3                         | 37.0 | 36.5 | 36.8          | 38.6 |
| Kuntz      | 65           | 34           | 8         | 53.3        | 13.0          | 37.4                         | 44.4 | 33.5 | 39.0          | 38.4 |
| Glenn      | 61           | 34           | 10        | 58.5        | 14.5          | 39.4                         | 41.7 | 31.5 | 36.6          | 37.5 |
| Brick      | 58           | 35           | 10        | 57.5        | 14.3          | 39.4                         | 39.8 | 30.4 | 35.1          | 36.5 |
| Choteau    | 62           | 32           | 1         | 56.2        | 14.7          | 38.0                         | 40.5 | 31.1 | 35.8          | 36.5 |
| Mott       | 66           | 37           | 1         | 58.6        | 14.5          | 34.9                         | 34.1 | 39.0 | 36.6          | 36.0 |
| Traverse   | 64           | 35           | 5         | 54.3        | 14.7          | 36.4                         | 36.0 | 34.0 | 35.0          | 35.5 |
| Agawam     | 59           | 32           | 5         | 58.9        | 13.5          | 42.0                         | 37.7 | 26.8 | 32.2          | 35.5 |
| Sabin      | 64           | 34           | 6         | 57.5        | 14.6          |                              | 47.0 | 44.2 | 45.6          |      |
| Cromwell   | 62           | 33           | 4         | 59.4        | 14.5          |                              | 42.2 | 46.3 | 44.2          |      |
| Brennan    | 60           | 31           | 8         | 60.5        | 14.0          |                              | 50.2 | 37.6 | 43.9          |      |
| Jenna      | 63           | 33           | 8         | 56.8        | 13.8          |                              | 42.8 | 45.0 | 43.9          |      |
| Blade      | 62           | 34           | 4         | 56.7        | 13.9          |                              | 39.4 | 47.6 | 43.5          |      |
| Samson     | 63           | 31           | 11        | 56.6        | 13.8          |                              | 48.7 | 37.6 | 43.2          |      |
| Vantage    | 67           | 32           | 4         | 56.1        | 15.4          |                              | 41.9 | 44.1 | 43.0          |      |
| Breaker    | 64           | 34           | 5         | 55.5        | 13.9          |                              | 47.8 | 37.6 | 42.7          |      |
| Alpine     | 66           | 36           | 8         | 51.8        | 14.1          |                              | 43.6 | 38.3 | 41.0          |      |
| AC Lillian | 66           | 37           | 1         | 55.9        | 15.9          |                              | 36.2 | 25.9 | 31.0          |      |
| AP605CL    | 60           | 33           | 8         | 58.3        | 15.3          |                              |      | 42.2 |               |      |
| Tom        | 62           | 34           | 14        | 57.0        | 14.5          |                              |      | 41.7 |               |      |
| Brogan     | 62           | 32           | 10        | 58.3        | 13.6          |                              |      | 41.3 |               |      |
| Conan      | 61           | 33           | 4         | 57.7        | 14.5          |                              |      | 37.0 |               |      |
| Corbin     | 60           | 32           | 4         | 57.8        | 14.3          |                              |      | 34.8 |               |      |
| Trial Mean | 63           | 34           | 7         | 56.8        | 14.4          | 37.3                         | 42.7 | 38.1 | --            | --   |
| C.V. %     | 2.5          | 6.3          | 53.1      | 3.3         | --            | 7.4                          | 8.7  | 16.4 | --            | --   |
| LSD .05    | 2            | 3            | 5         | 2.6         | --            | 3.8                          | 5.2  | 8.7  | --            | --   |
| LSD .01    | 3            | 4            | 7         | 3.5         | --            | 5.1                          | 6.8  | 11.5 | --            | --   |

\* Days to Head = the number of days from planting to head emergence from the boot.

\*\* Sawfly: Approximate % of stems cut off (lodged) from wheat stem sawfly.

Planting Date: May 5 Harvest Date: August 29

Seeding Rate: 1.1 million live seeds / acre (approx. 1.6 bu/A).

Previous Crop: 2008 = field pea, 2007 = hrsw, 2006 = field pea.

**Note: The 2009 trial sustained moderate hail damage on June 22 and 24 (boot growth stage).**