

**2012 Winter Wheat Variety Trial at Mandan**

Cooperator: USDA-ARS, Northern Great Plains Research Lab., Mandan

| Variety    | Winter   | Test   | Grain   | ----- Grain Yield -----      |      |      | Average Yield |      |
|------------|----------|--------|---------|------------------------------|------|------|---------------|------|
|            | Survival | Weight | Protein | 2010                         | 2011 | 2012 | 2 yr          | 3 yr |
|            | %        | lbs/bu | %       | ----- Bushels per acre ----- |      |      |               |      |
| Overland   | 95       | 58.9   | 11.6    | 51.4                         | 34.0 | 90.0 | 62.0          | 58.5 |
| Art        | 90       | 57.3   | 12.2    | 44.7                         | 31.9 | 77.9 | 54.9          | 51.5 |
| Decade     | 94       | 56.0   | 11.6    | 49.6                         | 30.0 | 69.2 | 49.6          | 49.6 |
| Wesley     | 93       | 56.7   | 12.0    | 50.1                         | 19.6 | 73.3 | 46.4          | 47.7 |
| Jerry      | 91       | 56.5   | 11.1    | 47.0                         | 19.7 | 73.7 | 46.7          | 46.8 |
| Lyman      | 89       | 57.8   | 12.3    | 47.3                         | 25.8 | 67.1 | 46.4          | 46.7 |
| Boomer     | 90       | 55.6   | 11.5    | 48.3                         | 22.1 | 66.2 | 44.2          | 45.5 |
| Hawken     | 93       | 57.3   | 12.5    | 45.9                         | 20.1 | 64.0 | 42.0          | 43.3 |
| Accipiter  | 83       | 56.1   | 10.8    | 44.4                         | 19.2 | 60.7 | 40.0          | 41.4 |
| Peregrine  | 73       | 57.6   | 11.6    | 44.5                         | 22.7 | 55.3 | 39.0          | 40.8 |
| Carter     | 93       | 54.1   | 12.1    | 40.0                         | 19.5 | 55.7 | 37.6          | 38.4 |
| Radiant    | 94       | 54.3   | 11.4    | 38.4                         | 20.6 | 45.8 | 33.2          | 34.9 |
| SY Wolf    | 89       | 58.3   | 10.9    |                              | 32.2 | 87.7 | 60.0          |      |
| WB Matlock | 90       | 58.1   | 11.2    |                              | 21.4 | 77.9 | 49.6          |      |
| McGill     | 93       | 57.2   | 11.2    |                              |      | 76.5 |               |      |
| Settler CL | 89       | 58.3   | 10.6    |                              |      | 74.8 |               |      |
| Robidoux   | 89       | 56.5   | 10.8    |                              |      | 73.2 |               |      |
| Ideal      | 90       | 57.3   | 11.2    |                              |      | 70.8 |               |      |
| Trial Mean | 89       | 56.6   | 11.5    | 45.1                         | 23.5 | 69.5 | --            | --   |
| C.V. %     | 6.9      | 2.4    | 4.7     | 15.4                         | 24.2 | 17.3 | --            | --   |
| LSD 10%    | 7        | 1.6    | 0.6     | 8.1                          | 6.7  | 14.2 | --            | --   |

Planting Date: September 27, 2011

Harvest Date: August 1, 2012

Seeding Rate: 1 million live seeds / acre (approx. 1.4 bu/A).

Previous Crop: 2009 & 2010 = HRSW, 2011 = field pea.

Note: The 2011 trial sustained severe foliar and head disease infestations.