

**NDSU Carrington Research Extension Center
2011 Variety Trial Data**

Hard Red Winter Wheat - No-till **Carrington**

| Variety | No Fungicide Applied | | | | | Fungicide Applied | | | | |
|------------------|------------------------------|---------------------|-----------------------|-------------------------|-------------------------|------------------------------|---------------------|-----------------------|-------------------------|-------------------------|
| | Flag Leaf Disease % | 1000 KWT gram | Grain Protein % | Test Weight lb/bu | Grain Yield bu/ac | Flag Leaf Disease % | 1000 KWT gram | Grain Protein % | Test Weight lb/bu | Grain Yield bu/ac |
| Accipiter | 73 | 26.4 | 11.9 | 59.0 | 36.3 | 14 | 29.9 | 11.8 | 59.9 | 35.3 |
| Art | 47 | 27.5 | 13.5 | 58.5 | 38.9 | 30 | 29.2 | 13.1 | 60.2 | 52.0 |
| SY Wolf | 32 | 31.2 | 12.6 | 59.4 | 46.9 | 5 | 32.7 | 12.7 | 60.6 | 49.9 |
| Boomer | 59 | 29.4 | 12.7 | 57.2 | 44.6 | 8 | 33.7 | 12.5 | 59.5 | 47.2 |
| CDC Falcon | 78 | 25.2 | 12.4 | 57.5 | 45.5 | 5 | 30.4 | 12.1 | 60.1 | 56.4 |
| Carter | 67 | 25.0 | 13.5 | 58.5 | 32.6 | 23 | 28.5 | 13.0 | 60.3 | 40.2 |
| Darrell | 52 | 34.6 | 12.4 | 59.5 | 44.4 | 5 | 36.9 | 12.3 | 60.2 | 44.9 |
| Decade | 63 | 28.8 | 12.2 | 58.7 | 43.2 | 9 | 31.5 | 13.0 | 59.9 | 50.6 |
| Expedition | 88 | 35.1 | 12.7 | 59.0 | 45.1 | 13 | 36.7 | 12.0 | 60.1 | 52.7 |
| Hawken | 47 | 30.3 | 13.6 | 58.7 | 34.8 | 27 | 31.9 | 13.1 | 59.7 | 41.4 |
| Jerry | 66 | 32.0 | 12.9 | 57.6 | 44.2 | 11 | 35.3 | 12.7 | 57.8 | 43.5 |
| Lyman | 78 | 34.9 | 12.9 | 60.3 | 52.7 | 6 | 38.7 | 13.4 | 60.8 | 48.7 |
| Millennium | 36 | 33.6 | 12.9 | 60.1 | 43.7 | 7 | 32.1 | 12.8 | 58.3 | 44.2 |
| Overland | 37 | 32.9 | 12.7 | 59.8 | 54.6 | 4 | 34.7 | 12.4 | 60.5 | 59.8 |
| Peregrine | 35 | 29.2 | 11.7 | 59.5 | 45.3 | 2 | 33.7 | 11.8 | 60.6 | 44.2 |
| Ideal (SD 05118) | 51 | 30.9 | 12.1 | 59.3 | 47.1 | 12 | 34.7 | 12.7 | 59.9 | 43.8 |
| Striker | 89 | 25.3 | 12.9 | 57.2 | 40.0 | 10 | 30.1 | 12.4 | 59.2 | 44.5 |
| WB-Matlock | 80 | 29.8 | 13.1 | 59.5 | 44.1 | 18 | 30.1 | 13.3 | 60.0 | 40.7 |
| Wesley | 75 | 32.6 | 13.2 | 57.7 | 45.2 | 53 | 33.7 | 12.8 | 57.2 | 45.3 |
| Yellowstone | 72 | 27.9 | 12.7 | 54.8 | 22.6 | 33 | 34.3 | 12.4 | 58.5 | 35.1 |
| Mean | 59.0 | 30.9 | 12.7 | 58.2 | 41.9 | 17.7 | 34.0 | 12.6 | 59.4 | 45.8 |
| C.V.(%) | 29.0 | 5.3 | 3.1 | 1.3 | 10.4 | 62.1 | 6.0 | 3.7 | 2.0 | 14.8 |
| LSD 0.05 | 28 | 2.7 | 0.6 | 1.2 | 7.1 | 18 | 3.3 | 0.8 | 2.0 | 11.1 |
| #REPS | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

Planting Date = September 21, 2010; Harvest Date = July 29 ; Previous Crop = Flax

** This trial experienced a hail storm on July 24, estimated damage/yield loss among varieties averaged 13%.

** There was a significant interaction relative to fungicide impact on leaf disease and test weight among varieties.

** {Variety * Fungicide}: Test Weight LSD 0.05= 1.6 lb/bu. Leaf Disease LSD 0.05= 23.4.