

**2011 WINTER WHEAT NOTILL VARIETY AND FUNGICIDE STUDY**

**WILLISTON RESEARCH EXTENSION CENTER**

| Fungicide<br>Trt | Cultivar      | Head | Plant  | 1000 | Seeds/ | Grain   | Test   | ----- Grain Yield ----- |      |      |          |          |
|------------------|---------------|------|--------|------|--------|---------|--------|-------------------------|------|------|----------|----------|
|                  |               | Date | Height | Kwt  | Pound  | Protein | Weight | 2009                    | 2010 | 2011 | 2 yr avg | 3 yr avg |
|                  |               | June | inch   | gm   |        | %       | lb/bu  | ----- bu/ac -----       |      |      |          |          |
| Check            | Art           | 12.7 | 36.7   | 29.2 | 15552  | 12.1    | 60.8   | 36.7                    | 4.7  | 69.8 | 37.3     | 37.1     |
| Check            | Boomer        | 18.7 | 37.3   | 29.6 | 15317  | 12.6    | 58.4   | 34.6                    | 32.5 | 62.7 | 47.6     | 43.3     |
| Check            | Carter        | 17.0 | 35.7   | 30.3 | 15004  | 12.7    | 60.1   | --                      | 24.0 | 71.1 | 47.5     | --       |
| Check            | CDC Accipter  | 20.7 | 37.0   | 27.7 | 16383  | 12.2    | 58.9   | 39.8                    | 42.9 | 59.5 | 51.2     | 47.4     |
| Check            | CDC Falcon    | 18.3 | 36.4   | 28.2 | 16118  | 12.4    | 58.9   | 37.0                    | 26.8 | 64.4 | 45.6     | 42.7     |
| Check            | CDC Peregrine | 18.7 | 45.2   | 28.3 | 16039  | 12.4    | 59.4   | 43.2                    | 48.2 | 58.9 | 53.5     | 50.1     |
| Check            | Darrell       | 14.3 | 40.2   | 31.7 | 14339  | 12.4    | 59.6   | 35.6                    | 15.5 | 62.4 | 39.0     | 37.8     |
| Check            | Decade        | 17.0 | 37.7   | 28.8 | 15771  | 12.3    | 60.4   | 43.1                    | 19.3 | 68.8 | 44.0     | 43.7     |
| Check            | Expedition    | 13.0 | 39.1   | 32.4 | 14024  | 12.6    | 59.9   | 37.2                    | --   | 71.3 | --       | --       |
| Check            | Hawken        | 12.7 | 35.3   | 30.3 | 14969  | 11.8    | 59.6   | 38.7                    | 32.9 | 54.2 | 43.5     | 41.9     |
| Check            | Jerry         | 18.7 | 42.9   | 32.8 | 13862  | 11.9    | 58.8   | 40.3                    | 31.4 | 61.4 | 46.4     | 44.4     |
| Check            | Lyman         | 13.0 | 39.5   | 35.6 | 12762  | 12.4    | 61.4   | 29.0                    | 17.9 | 65.3 | 41.6     | 37.4     |
| Check            | Millennium    | 14.7 | 42.0   | 34.8 | 13068  | 11.7    | 60.1   | 38.2                    | 15.7 | 71.9 | 43.8     | 41.9     |
| Check            | Overland      | 15.3 | 40.8   | 34.0 | 13362  | 11.6    | 60.9   | 40.0                    | 12.0 | 75.1 | 43.6     | 42.4     |
| Check            | Radiant       | 18.3 | 41.1   | 28.9 | 15734  | 12.4    | 57.9   | 36.6                    | 34.7 | 60.8 | 47.8     | 44.0     |
| Check            | Roughrider    | 17.7 | 48.7   | 29.6 | 15341  | 13.1    | 60.4   | 35.4                    | 25.4 | 50.0 | 37.7     | 36.9     |
| Check            | SD05118-1     | 17.7 | 37.5   | 31.0 | 14661  | 12.1    | 60.6   | --                      | --   | 73.6 | --       | --       |
| Check            | Striker       | 17.3 | 34.9   | 31.0 | 14668  | 11.9    | 60.3   | 37.1                    | 24.7 | 56.9 | 40.8     | 39.6     |
| Check            | SY Wolf       | 16.0 | 37.4   | 28.8 | 15751  | 12.0    | 60.0   | --                      | --   | 67.0 | --       | --       |
| Check            | WB Matlock    | 18.7 | 40.7   | 31.8 | 14262  | 11.8    | 60.7   | --                      | --   | 59.9 | --       | --       |
| Check            | Wesley        | 12.7 | 35.2   | 34.0 | 13345  | 12.9    | 60.2   | 34.6                    | 22.6 | 71.3 | 46.9     | 42.8     |
| Check            | Yellowstone   | 18.7 | 38.3   | 32.0 | 14215  | 12.6    | 58.0   | 44.0                    | 34.9 | 64.5 | 49.7     | 47.8     |
| Sprayed          | Art           | 13.0 | 37.5   | 29.7 | 15284  | 12.7    | 61.3   | --                      | --   | 79.3 | --       | --       |
| Sprayed          | Boomer        | 17.7 | 37.8   | 30.3 | 15026  | 12.3    | 58.2   | --                      | --   | 68.5 | --       | --       |
| Sprayed          | Carter        | 17.0 | 36.5   | 28.9 | 15719  | 12.1    | 61.2   | --                      | --   | 75.2 | --       | --       |
| Sprayed          | CDC Accipiter | 19.7 | 38.2   | 30.1 | 15101  | 12.0    | 59.8   | --                      | --   | 69.0 | --       | --       |
| Sprayed          | CDC Falcon    | 17.3 | 35.5   | 29.7 | 15346  | 12.2    | 60.1   | --                      | --   | 63.3 | --       | --       |
| Sprayed          | CDC Peregrine | 18.3 | 49.5   | 29.7 | 15300  | 12.5    | 59.2   | --                      | --   | 61.2 | --       | --       |
| Sprayed          | Darrell       | 14.3 | 39.5   | 34.8 | 13077  | 12.3    | 59.5   | --                      | --   | 69.8 | --       | --       |
| Sprayed          | Decade        | 17.7 | 38.2   | 30.1 | 15099  | 12.0    | 60.4   | --                      | --   | 72.9 | --       | --       |
| Sprayed          | Expedition    | 13.0 | 39.1   | 35.0 | 12993  | 12.0    | 60.2   | --                      | --   | 74.0 | --       | --       |
| Sprayed          | Hawken        | 12.7 | 35.5   | 31.9 | 14253  | 12.8    | 60.8   | --                      | --   | 70.1 | --       | --       |
| Sprayed          | Jerry         | 18.7 | 44.1   | 33.4 | 13576  | 12.0    | 59.2   | --                      | --   | 61.2 | --       | --       |
| Sprayed          | Lyman         | 12.7 | 40.8   | 35.7 | 12727  | 13.1    | 61.1   | --                      | --   | 74.6 | --       | --       |
| Sprayed          | Millennium    | 16.0 | 41.3   | 33.9 | 13415  | 11.6    | 60.2   | --                      | --   | 70.3 | --       | --       |
| Sprayed          | Overland      | 15.7 | 41.2   | 34.2 | 13290  | 11.7    | 61.0   | --                      | --   | 76.3 | --       | --       |
| Sprayed          | Radiant       | 18.7 | 40.9   | 31.1 | 14631  | 12.3    | 58.2   | --                      | --   | 65.5 | --       | --       |
| Sprayed          | Roughrider    | 16.7 | 49.3   | 31.9 | 14248  | 12.3    | 61.0   | --                      | --   | 54.2 | --       | --       |
| Sprayed          | SD05118-1     | 17.0 | 39.6   | 31.7 | 14309  | 11.9    | 61.5   | --                      | --   | 76.7 | --       | --       |
| Sprayed          | Striker       | 16.7 | 35.9   | 31.6 | 14386  | 11.7    | 61.0   | --                      | --   | 64.0 | --       | --       |
| Sprayed          | SY Wolf       | 15.7 | 38.3   | 32.1 | 14153  | 12.2    | 61.1   | --                      | --   | 81.9 | --       | --       |
| Sprayed          | WB Matlock    | 18.7 | 40.6   | 32.4 | 13997  | 12.6    | 60.7   | --                      | --   | 66.9 | --       | --       |
| Sprayed          | Wesley        | 13.3 | 34.3   | 33.2 | 13686  | 12.8    | 60.0   | --                      | --   | 67.7 | --       | --       |
| Sprayed          | Yellowstone   | 19.7 | 38.1   | 32.2 | 14095  | 11.7    | 57.9   | --                      | --   | 62.0 | --       | --       |
| MEAN             |               | 16.4 | 39.4   | 31.5 | 14506  | 12.2    | 60.0   | 37.6                    | 25.4 | 66.9 | --       | --       |
| C.V. %           |               | 5.2  | 3.6    | 2.5  | 2      | 4.4     | 0.9    | 10.2                    | 44.1 | 6.8  | --       | --       |
| LSD 5%           |               | 1.4  | 2.3    | 1.6  | 703    | NS      | 1.0    | 6.3                     | 18.5 | 7.4  | --       | --       |

Planted: Sept. 14, 2010 in standing durum stubble.

Harvested: July 25