

**2013 Oat Variety Trial**
**North Central Research Extension Center—Minot**

| Variety      | Days to<br>Head  | Plant<br>Height | Lodging          | Test<br>Weight | Grain Yield    |       |       |           |           |
|--------------|------------------|-----------------|------------------|----------------|----------------|-------|-------|-----------|-----------|
|              |                  |                 |                  |                | 2011           | 2012  | 2013  | 2<br>Year | 3<br>Year |
|              | <sup>1</sup> DAP | inches          | <sup>2</sup> 0-9 | lb/bu          | -----bu/A----- |       |       |           |           |
| Newburg      | 59               | 51              | 5                | 36.9           | 122.4          | 152.1 | 127.2 | 139.7     | 133.9     |
| Shelby427    | 52               | 41              | 1                | 39.0           | 122.6          | 136.3 | 126.5 | 131.4     | 128.5     |
| Souris       | 58               | 44              | 3                | 36.3           | 129.1          | 144.8 | 111.2 | 128.0     | 128.4     |
| Jury         | 57               | 48              | 3                | 37.1           | 122.3          | 126.1 | 128.4 | 127.2     | 125.6     |
| Rockford     | 59               | 45              | 3                | 38.0           | 116.4          | 143.1 | 116.4 | 129.7     | 125.3     |
| HiFi         | 60               | 44              | 2                | 37.9           | 119.1          | 141.7 | 114.3 | 128.0     | 125.0     |
| Stallion     | 60               | 44              | 7                | 37.1           | 104.5          | 167.9 | 86.2  | 127.1     | 119.5     |
| Leggett      | 57               | 41              | 2                | 35.2           | 114.9          | 123.6 | 117.5 | 120.5     | 118.7     |
| AC Pinnacle  | 61               | 47              | 8                | 33.6           | 98.5           | 146.1 | 98.8  | 122.5     | 114.5     |
| Killdeer     | 59               | 39              | 7                | 34.8           | 88.6           | 144.1 | 100.6 | 122.4     | 111.1     |
| CDC Dancer   | 60               | 45              | 3                | 39.0           | 86.2           | 136.4 | 107.8 | 122.1     | 110.1     |
| CDC Minstrel | 58               | 42              | 7                | 30.8           | 98.1           | 139.5 | 82.4  | 111.0     | 106.7     |
| Beach        | 61               | 50              | 7                | 36.1           | 91.5           | 135.6 | 79.3  | 107.4     | 102.1     |
| Morton       | 59               | 48              | 3                | 36.6           | 76.3           | 138.5 | 75.8  | 107.2     | 96.9      |
| Furlong      | 63               | 44              | 8                | 33.8           | 74.2           | 121.8 | 88.3  | 105.0     | 94.8      |
| Stark        | 61               | 45              | 7                | 38.8           | 91.9           | 115.8 | 70.0  | 92.9      | 92.6      |
| Hystest      | 54               | 45              | 8                | 36.0           | 73.5           | 130.3 | 60.9  | 95.6      | 88.2      |
| Horsepower   | 53               | 36              | 1                | 37.8           | --             | 135.2 | 110.9 | 123.1     | --        |
| Otana        | 60               | 45              | 9                | 30.4           | --             | 134.5 | 60.8  | 97.6      | --        |
| Goliath      | 60               | 56              | 7                | 37.2           | --             | --    | 96.9  | --        | --        |
| Mean         | 59               | 46              | 5                | 36.7           | 101.2          | 136.6 | 104.8 | --        | --        |
| C.V.%        | 1.6              | 5.1             | 32               | 3.6            | 8.3            | 7.4   | 7.4   | --        | --        |
| LSD 10%      | 1                | 3               | 2                | 1.6            | 14.3           | 10.7  | 9.1   | --        | --        |

<sup>1</sup>DAP = Days after planting.      <sup>2</sup>Lodging: 0 = none, 9 = lying flat on the ground.

Planted on May 16 with a seeding rate of 1 million PLS/A and harvested on September 6.

Previous Crop: 2010 & 2011 = summer fallow, 2012 = durum.

Soil Type: Williams Loam