

NDSU Hettinger Research Extension Center

Oat - 2023 **Hettinger, ND**

| Variety | Days to | Plant | Plant | Test | Grain | ----- Grain Yield ----- | | | Average Yield | |
|----------------------|------------------|--------|------------------|--------|---------|------------------------------|-------|-------|---------------|-------|
| | Head | Height | Lodge | Weight | Protein | 2021 | 2022 | 2023 | 2 yr | 3 yr |
| | DAP ¹ | inches | 0-9 ² | lbs/bu | % | ----- Bushels per acre ----- | | | | |
| AAC Douglas | 56 | 36 | 0 | 36.0 | | 96.0 | 179.5 | 174.6 | 177.1 | 150.1 |
| AAC Nevel | 60 | 34 | 1 | 37.3 | | -- | -- | 139.1 | -- | -- |
| Beach | 56 | 37 | 5 | 38.3 | | 63.0 | 153.3 | 135.0 | 144.1 | 117.1 |
| CDC Endure | 58 | 40 | 0 | 36.9 | | -- | -- | 160.7 | -- | -- |
| CS Camden | 58 | 38 | 1 | 34.7 | | 88.1 | 165.3 | 164.3 | 164.8 | 139.2 |
| Deon | 59 | 38 | 2 | 36.9 | | 81.0 | 165.8 | 130.5 | 148.2 | 125.8 |
| HiFi | 59 | 42 | 4 | 35.3 | | 68.7 | 165.5 | 119.7 | 142.6 | 118.0 |
| Jury | 57 | 41 | 7 | 35.9 | | 80.5 | 165.1 | 126.2 | 145.6 | 123.9 |
| Killdeer | 57 | 34 | 5 | 36.2 | | 78.4 | 180.1 | 140.8 | 160.4 | 133.1 |
| Leggett | 58 | 38 | 2 | 37.0 | | 67.2 | 165.3 | 133.8 | 149.5 | 122.1 |
| MN Pearl | 59 | 42 | 4 | 36.6 | | -- | 176.6 | 141.8 | 159.2 | -- |
| ND Carson | 59 | 37 | 4 | 35.8 | | 79.9 | 175.1 | 140.2 | 157.6 | 131.7 |
| ND Heart | 56 | 40 | 4 | 36.7 | | 67.6 | 163.2 | 113.4 | 138.3 | 114.7 |
| ND Spindle | 58 | 40 | 2 | 34.9 | | 78.1 | 181.0 | 130.3 | 155.7 | 129.8 |
| Newburg | 59 | 38 | 4 | 36.1 | | 78.2 | 164.5 | 143.2 | 153.9 | 128.6 |
| ORE3541M | 57 | 34 | 2 | 37.8 | | 75.5 | 184.0 | 134.2 | 159.1 | 131.2 |
| Otana | 58 | 41 | 7 | 36.0 | | 81.9 | 168.0 | 131.7 | 149.8 | 127.2 |
| Rockford | 59 | 40 | 2 | 38.3 | | 86.7 | 162.9 | 134.2 | 148.5 | 127.9 |
| SD Buffalo | 56 | 40 | 1 | 37.9 | | -- | 176.1 | 126.1 | 151.1 | -- |
| ND Crema (hull-less) | 62 | 43 | 1 | 43.1 | | 38.4 | 113.1 | 101.8 | 107.5 | 84.4 |
| Paul (hull-less) | 61 | 42 | 1 | 40.2 | | 44.3 | 121.9 | 106.6 | 114.3 | 90.9 |
| Trial Mean | 58.8 | 40 | 3 | 36.7 | | 77.1 | 163.4 | 134.7 | 148.5 | 123.5 |
| C.V. % | 1.6 | 6.4 | 54.0 | 1.6 | | 7.9 | 4.3 | 8.7 | -- | -- |
| LSD 5% | 1.1 | 3.0 | 1.8 | 0.7 | | 7.2 | 8.2 | 13.7 | -- | -- |
| LSD 10% | 0.9 | 2.3 | 1.4 | 0.5 | | 5.6 | 6.4 | 10.7 | -- | -- |

¹ Days to Head = the number of days from planting to head emergence from the boot.

² 0 = no lodging, 9 = 100% lodged.

Planting Date: April 25

Harvest Date: August 18

Previous Crop: Lentils