

Durum Dryland Variety Trial - NDSU

WREC, Williston, ND 2019

| Variety | Days to heading | Plant height | Protein [†] | Test weight | Yield [#] | | |
|--------------|---------------------|--------------|----------------------|-------------|--------------------|-----------|------------|
| | | | | | 2019 | 2-Yr Avg* | 3-Yr Avg** |
| | (DAP ¹) | (in) | (%) | (lb/bu) | ------(bu/a)----- | | |
| Tioga | 57.3 | 24.1 | 15.5 | 62.6 | 66.1 | 51.5 | 43.9 |
| AC Commander | 55.3 | 16.9 | 17.2 | 61.6 | 63.4 | 50.5 | 42.6 |
| Alkabo | 55.3 | 20.6 | 16.1 | 62.5 | 63.0 | 49.2 | 42.0 |
| Strongfield | 57.0 | 23.4 | 17.4 | 61.9 | 63.4 | 50.4 | 41.9 |
| VT Peak | 56.3 | 21.8 | 16.8 | 63.1 | 64.3 | 49.2 | 41.7 |
| Mountrail | 56.7 | 21.4 | 16.4 | 61.9 | 67.6 | 50.6 | 41.7 |
| Joppa | 57.3 | 23.2 | 15.8 | 62.0 | 61.4 | 48.5 | 41.5 |
| ND Riveland | 56.3 | 21.8 | 16.6 | 61.7 | 68.5 | 48.4 | 41.4 |
| Maier | 56.3 | 22.4 | 16.9 | 62.3 | 65.4 | 49.1 | 41.4 |
| Divide | 57.0 | 22.5 | 16.6 | 62.1 | 63.6 | 48.3 | 41.2 |
| CDC Verona | 58.0 | 23.2 | 17.2 | 61.0 | 65.4 | 49.6 | 40.7 |
| Grenora | 56.0 | 22.0 | 15.8 | 61.4 | 67.6 | 49.8 | 40.6 |
| Carpio | 58.3 | 21.8 | 16.5 | 62.1 | 59.8 | 47.0 | 40.2 |
| ND Grano | 57.0 | 21.8 | 16.6 | 62.6 | 63.7 | 46.5 | 39.7 |
| Pierce | 56.3 | 21.7 | 16.6 | 62.4 | 61.6 | 46.1 | 39.5 |
| Ben | 56.3 | 22.1 | 16.6 | 62.9 | 63.0 | 45.9 | 39.5 |
| Alzada | 54.3 | 16.7 | 16.9 | 61.3 | 54.2 | 44.7 | 39.0 |
| Rugby | 55.7 | 25.4 | 16.3 | 62.3 | 64.4 | 45.8 | 38.9 |
| Normanno | 54.3 | 16.6 | 15.8 | 60.7 | 57.0 | 45.0 | 38.7 |
| AAC Cabri | 57.3 | 24.0 | 17.6 | 61.9 | 63.2 | - | - |
| TCG-Bright | 56.3 | 21.9 | 15.0 | 62.7 | 67.6 | - | - |
| TCG-Webster | 53.7 | 16.9 | 15.5 | 62.5 | 60.6 | - | - |
| Mean | 56.7 | 22.4 | 16.6 | 62.1 | 64.7 | - | - |
| CV (%) | 1.5 | 5.5 | 4.7 | 0.5 | 9.8 | - | - |
| LSD (5%) | 1.4 | 2.0 | 1.3 | 0.5 | 10.2 | - | - |
| LSD (10%) | 1.1 | 1.7 | 1.1 | 0.4 | 8.6 | - | - |

Location: WREC; Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft.

Previous crop: soybeans

Planted: 5/7/2019

Harvested: 8/20/2019

Soil test to 6" in ppm: P=24 ppm K=363 ppm OM=2% pH=5.7

Soil type: Williams-Bowbells loam.

Soil test to 24" in lb/a: N=37.5 lb/a

Applied fertilizers in lb/a: N=70; P=24; K=0; S=6; Zn=0.6 (60 lbs of MESZ applied with seed, 136 lbs of Urea broadcast)

[†]Protein adjusted to 12% moisture.[#]Yield reported on a 13.5% moisture basis.

*Averages of years 2018 and 2019. **Averages of years 2017, 2018, and 2019.

¹DAP = Days after planting.

Herbicide Applications: Valor @ 3 oz/a with LV6 @ 1pt/a (10/22/18) ; Bison @ 1.5 pts/a with Parity @ 8 oz/a (6/13/2019)