

**2021 Chickpea Variety Trial at Minot**

North Central Research Extension Center

| Variety      | Days to Bloom    | Days to Mature   | Plant Height | Test Weight | 1000 KWT | % Large Seed | Protein | Yield |
|--------------|------------------|------------------|--------------|-------------|----------|--------------|---------|-------|
|              | DAP <sup>1</sup> | DAP <sup>1</sup> | inches       | lbs/bu      | g        | > 22/64      | %       | lbs/A |
| CDC Leader   | 46               | 85               | 12           | 58.0        | 427      | 74           | 18.0    | 1584  |
| Kasin        | 50               | 91               | 13           | 59.5        | 372      | 56           | 19.0    | 1574  |
| New Hope     | 50               | 90               | 19           | 58.7        | 446      | 77           | 20.8    | 1516  |
| CDC Frontier | 50               | 90               | 13           | 59.7        | 384      | 57           | 18.7    | 1516  |
| ND Crown     | 46               | 88               | 15           | 59.1        | 469      | 83           | 19.7    | 1383  |
| Sierra       | 50               | 90               | 12           | 57.4        | 534      | 91           | 19.3    | 1367  |
| Royal        | 53               | 89               | 14           | 55.5        | 471      | 92           | 19.1    | 1361  |
| Sawyer       | 49               | 88               | 13           | 59.1        | 456      | 78           | 19.4    | 1307  |
| CDC Orion    | 44               | 90               | 12           | 57.0        | 464      | 79           | 17.2    | 1302  |
| CDC Palmer   | 45               | 86               | 11           | 57.2        | 469      | 87           | 16.7    | 1186  |
| Trial Mean   | 48               | 89               | 13           | 58.2        | 449      | 77           | 18.8    | 1410  |
| C.V.%        | 1.4              | 1.1              | 6.8          | 1.2         | 3.9      | 7.6          | 2.2     | 11.0  |
| LSD 0.05     | 1                | 2                | 2            | 1.2         | 30       | 10           | 0.7     | 265   |
| LSD 0.1      | 1                | 1                | 1            | 1.0         | 25       | 8            | 0.6     | 219   |

<sup>1</sup> DAP = Days after planting.

Trial was planted on May 4 with a seeding rate of 175,000 pls/A and harvested on August 30.

Previous Crop: HRSW

Tillage: No-till

Soil Type: Williams Loam

Note: The trial sustained extreme heat and moisture stress throughout the growing season.