

**NDSU Carrington Research Extension Center  
2018 Variety Trial Data**

| <b>Durum - Dryland</b> |                 |                       |                         | <b>Carrington</b>     |                                     |      |                     |                         |                         |                                     |  |
|------------------------|-----------------|-----------------------|-------------------------|-----------------------|-------------------------------------|------|---------------------|-------------------------|-------------------------|-------------------------------------|--|
| Variety                | Days to<br>Head | Plant<br>Lodge<br>0-9 | Plant<br>Height<br>inch | --- Grain Protein --- |                                     |      | 1000<br>KWT<br>gram | Test<br>Weight<br>lb/bu | ----- Grain Yield ----- |                                     |  |
|                        |                 |                       |                         | 2018<br>----- %       | 3-yr.<br>Avg. <sup>1</sup><br>----- | 2018 |                     |                         | 2-yr.<br>Avg.           | 3-yr.<br>Avg. <sup>1</sup><br>----- |  |
| Rugby                  | 55.8            | 3.8                   | 41.8                    | 13.1                  | 14.3                                | 38.4 | 63.1                | 54.2                    | 51.3                    | 47.8                                |  |
| Joppa                  | 56.0            | 3.3                   | 38.2                    | 12.6                  | 13.7                                | 39.3 | 62.9                | 57.4                    | 57.1                    | 53.4                                |  |
| Divide                 | 56.8            | 1.5                   | 37.9                    | 12.6                  | 14.2                                | 38.2 | 62.3                | 54.2                    | 55.6                    | 53.3                                |  |
| Carpio                 | 57.3            | 4.3                   | 38.6                    | 12.5                  | 14.1                                | 38.4 | 63.1                | 55.3                    | 51.9                    | 52.1                                |  |
| Alkabo                 | 56.3            | 2.3                   | 38.6                    | 12.8                  | 13.8                                | 38.9 | 63.1                | 53.1                    | 50.3                    | 47.4                                |  |
| Tioga                  | 56.8            | 4.0                   | 38.1                    | 12.7                  | 14.4                                | 39.1 | 63.2                | 54.5                    | 57.4                    | 53.5                                |  |
| Mountrail              | 55.8            | 1.8                   | 38.4                    | 13.4                  | 14.2                                | 39.5 | 62.3                | 55.0                    | 53.3                    | 52.4                                |  |
| Grenora                | 56.8            | 2.8                   | 37.7                    | 13.4                  | 14.4                                | 39.7 | 62.4                | 56.9                    | 57.1                    | 55.0                                |  |
| VT Peak                | 56.3            | 1.8                   | 36.3                    | 12.9                  | 14.2                                | 39.1 | 63.7                | 50.9                    | 54.1                    | 52.3                                |  |
| Lebsock                | 55.3            | 2.0                   | 35.2                    | 13.8                  | 14.5                                | 39.0 | 63.1                | 46.4                    | 53.1                    | 51.1                                |  |
| Pierce                 | 55.3            | 2.0                   | 36.1                    | 13.6                  | 14.0                                | 37.4 | 62.4                | 52.1                    | 53.6                    | 51.3                                |  |
| Maier                  | 54.5            | 1.5                   | 33.5                    | 13.8                  | 13.9                                | 39.7 | 63.0                | 46.4                    | 53.9                    | 49.1                                |  |
| Ben                    | 56.5            | 1.0                   | 39.3                    | 13.2                  | 14.4                                | 40.2 | 63.0                | 49.5                    | 51.2                    | 49.5                                |  |
| ND Grano               | 57.5            | 2.8                   | 40.9                    | 13.1                  | 14.3                                | 38.7 | 63.1                | 58.6                    | 60.6                    | 57.3                                |  |
| ND Riveland            | 56.0            | 2.5                   | 40.9                    | 13.3                  | 14.9                                | 40.7 | 62.5                | 59.7                    | 55.8                    | 53.1                                |  |
| Alzada                 | 52.3            | 1.8                   | 31.2                    | 15.2                  | 15.3                                | 33.9 | 61.7                | 46.0                    | 46.4                    | 44.9                                |  |
| Strongfield            | 56.5            | 3.0                   | 39.7                    | 13.6                  | 15.3                                | 36.3 | 62.0                | 54.1                    | 52.3                    | 50.4                                |  |
| AC Commander           | 54.5            | 1.0                   | 37.7                    | 13.3                  | 14.5                                | 39.0 | 61.8                | 48.2                    | 50.3                    | 48.3                                |  |
| CDC Verona             | 56.3            | 2.7                   | 38.1                    | 14.0                  | 14.8                                | 40.4 | 62.8                | 53.2                    | 53.0                    | 52.3                                |  |
| TCG-Webster            | 52.8            | 2.3                   | 31.1                    | 12.7                  | --                                  | 38.7 | 62.6                | 49.3                    | --                      | --                                  |  |
| MEAN                   | 56.3            | 2.4                   | 38.3                    | 13.2                  | --                                  | 39.4 | 62.8                | 53.8                    | --                      | --                                  |  |
| C.V. (%)               | 2.7             | 45.9                  | 6.8                     | 5.8                   | --                                  | 4.8  | 0.9                 | 8.5                     | --                      | --                                  |  |
| LSD 0.10               | 1.8             | 1.3                   | 3.0                     | 0.9                   | --                                  | 2.2  | 0.7                 | 5.3                     | --                      | --                                  |  |
| LSD 0.05               | 2.1             | 1.5                   | 3.6                     | 1.1                   | --                                  | 2.6  | 0.8                 | 6.3                     | --                      | --                                  |  |

**Planting Date = May 1 ; Harvest Date = August 13 ; Previous Crop = Flax**

\*\* Durum seeding rate used in this trial was 1,400,000 pure live seeds acre<sup>-1</sup>.

<sup>1</sup> Three-year average is for 2015, 2017 and 2018 as 2016 trial is not available.