

2010 IRRIGATED FLAX VARIETY

WILLISTON RESEARCH EXTENSION CENTER

| Cultivar | First | Flower | Plant | Test | Seed | -----Grain Yield---- | | | <u>Average Yield</u> | |
|----------------------|--------|----------|--------|--------|------|----------------------|------|------|----------------------|------|
| | Flower | Duration | Height | Weight | Oil | 2008 | 2009 | 2010 | 2 yr | 3 yr |
| | Date | days | inches | lb/bu | % | ----- bu/a ----- | | | | |
| Yellow Seeded | | | | | | | | | | |
| Carter | 47.0 | 16.8 | 26.2 | 50.5 | 37.8 | 29.6 | 50.1 | 30.3 | 40.2 | 36.6 |
| Omega | 46.0 | 13.0 | 24.1 | 47.5 | 37.5 | 22.2 | 43.7 | 26.2 | 35.0 | 30.7 |
| Brown Seeded | | | | | | | | | | |
| Neche | 47.8 | 15.3 | 25.1 | 48.0 | 37.6 | 19.5 | 37.7 | 28.7 | 33.2 | 28.6 |
| Nekoma | 47.0 | 16.0 | 26.2 | 47.9 | 37.2 | 26.6 | 42.4 | 31.3 | 36.9 | 33.4 |
| Prairie Thunder | 45.0 | 14.5 | 23.7 | 48.4 | 37.2 | -- | -- | 31.2 | -- | -- |
| York | 47.0 | 16.0 | 24.0 | 50.0 | 37.2 | 23.4 | 46.7 | 34.2 | 40.5 | 34.8 |
| MEAN | 46.6 | 15.3 | 24.9 | 48.7 | 37.4 | 23.6 | 42.8 | 30.3 | -- | -- |
| C.V. % | 0.4 | 2.9 | 6.5 | 5.3 | 0.9 | 14.5 | 11.9 | 9.4 | -- | -- |
| LSD 5% | 0.3 | 0.7 | NS | NS | NS | 5.2 | 7.7 | 4.3 | -- | -- |

Planted: April 28 Then replanted May 29 because emergence and stand problems caused by Leatherjacket larvae feeding on the germinating seedlings. Harvested: Sept. 8

Previous Crop: Sugarbeets

Oil percentages from NMR machine on a 9% moisture basis.