

Durum Variety Trial at Mohall

Cooperators: Dean Schoenberg and the Renville/Bottineau Ag Improvement Association

| Variety | Plant | | Test | | Grain Yield | | | Average | |
|------------|--------|---------|--------|---------|----------------|------|------|---------|--------|
| | Height | Lodging | Weight | Protein | 2014 | 2015 | 2016 | 2 Year | 2 Year |
| | inches | 0-9* | lbs/bu | % | -----bu/A----- | | | | |
| Joppa | 38 | 2 | 61.6 | 13.1 | 60.8 | 66.0 | 93.8 | 79.9 | 73.5 |
| Carpio | 40 | 2 | 62.0 | 13.0 | 60.4 | 64.7 | 88.0 | 76.3 | 71.0 |
| Alkabo | 37 | 0 | 62.2 | 12.9 | 64.4 | 63.3 | 85.1 | 74.2 | 70.9 |
| Grenora | 38 | 0 | 60.7 | 13.3 | 60.8 | 64.7 | 87.2 | 75.9 | 70.9 |
| Mountrail | 39 | 2 | 61.5 | 12.1 | 56.7 | 67.2 | 87.0 | 77.1 | 70.3 |
| Divide | 39 | 1 | 61.9 | 13.4 | 60.7 | 64.0 | 85.7 | 74.8 | 70.1 |
| Trial Mean | 39 | 1 | 61.9 | 13.1 | 60.6 | 64.2 | 88.7 | -- | -- |
| C.V.% | 3.1 | 54 | 0.6 | 6.0 | 5.8 | 3.9 | 4.5 | -- | -- |
| LSD 5% | 2 | 1 | 0.5 | NS | 5.5 | 3.7 | 5.8 | -- | -- |
| LSD 10% | 1 | 1 | 0.5 | NS | 4.4 | 3.0 | 4.8 | -- | -- |

*Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planted on April 27 with a seeding rate of 1.5 million PLS/A and harvested on August 16.

Previous Crop: 2013 = canola, 2014 = oat, 2015 = sunflower.

Tillage: minimum till

Soil Type: Barnes loam

Durum Variety Trial at Rugby

Cooperators: Dave Teigen and the Pierce County Crop Improvement Association

| Variety | Plant | | Test | | Grain Yield | | | Average | |
|------------|--------|---------|--------|---------|----------------|------|------|---------|--------|
| | Height | Lodging | Weight | Protein | 2014 | 2015 | 2016 | 2 Year | 3 Year |
| | inches | 0-9* | lbs/bu | % | -----bu/A----- | | | | |
| Mountrail | 39 | 3 | 59.8 | 13.1 | 46.2 | 73.7 | 76.0 | 74.9 | 65.3 |
| Joppa | 40 | 3 | 59.6 | 13.5 | 45.8 | 72.2 | 74.5 | 73.4 | 64.2 |
| Grenora | 38 | 2 | 58.9 | 14.1 | 43.9 | 75.6 | 72.9 | 74.2 | 64.1 |
| Alkabo | 39 | 2 | 60.7 | 13.4 | 40.7 | 76.2 | 71.9 | 74.0 | 62.9 |
| Divide | 41 | 2 | 60.2 | 14.2 | 43.5 | 71.0 | 69.7 | 70.4 | 61.4 |
| Carpio | 41 | 6 | 59.8 | 14.4 | 48.9 | 66.5 | 64.7 | 65.6 | 60.0 |
| Trial Mean | 40 | 3 | 60.1 | 13.8 | 44.9 | 71.8 | 73.1 | -- | -- |
| C.V.% | 3.0 | 27 | 0.8 | 2.0 | 5.0 | 4.0 | 3.5 | -- | -- |
| LSD 5% | 2 | 1 | 0.9 | 0.4 | 3.5 | 4.2 | 3.7 | -- | -- |
| LSD 10% | 1 | 1 | 0.6 | 0.3 | 2.8 | 3.4 | 3.1 | -- | -- |

*Lodging: 0 = none, 9 = lying flat on the ground.

Planted on April 28 with a seeding rate of 1.5 million PLS/A and harvested on August 17.

Previous Crop: 2013 = wheat, 2014 = soybean, 2015 = wheat.

Soil Type: Gardena silt loam

Tillage: Minimum Till