

North Central Research Extension Center

Barley Seeding Rate Trial at Minot

| Seeding Rate | Plant Stand | Days to Head | Plant Height | Lodging | % Plump | % Thin | 1000 KWT | Test Weight | Protein | Grain Yield | | |
|--------------|-------------|------------------|--------------|------------------|---------|--------|----------|-------------|---------|-------------|-------|-------|
| | | | | | | | | | | 2016 | 2015 | Avg |
| 1000's/A | plants/A | DAP ¹ | inches | 0-9 ² | >6/64 | <5/64 | g | lbs/bu | % | bu/A | bu/A | bu/A |
| 500 | 470171.43 | 61 | 33 | 0 | 97 | 1 | 58 | 48.2 | 11.6 | 96.9 | 91.4 | 94.2 |
| 750 | 655474.29 | 60 | 31 | 0 | 96 | 1 | 55 | 49.0 | 11.3 | 102.6 | 103.0 | 102.8 |
| 1000 | 771634.29 | 60 | 31 | 0 | 97 | 1 | 55 | 48.8 | 11.1 | 110.1 | 98.4 | 104.2 |
| 1250 | 898857.14 | 61 | 30 | 0 | 97 | 1 | 52 | 49.4 | 11.3 | 108.1 | 99.9 | 104.0 |
| 1500 | 1015017.1 | 61 | 31 | 0 | 97 | 1 | 53 | 49.4 | 11.3 | 113.3 | 103.7 | 108.5 |
| 1750 | 1161600 | 59 | 30 | 1 | 98 | 1 | 51 | 49.6 | 11.0 | 111.7 | 116.1 | 113.9 |
| Trial Mean | 828792 | 60 | 31 | 0 | 97 | 1 | 54 | 49.1 | 11.3 | 107.1 | 102.1 | -- |
| C.V.% | 10.8 | 1.1 | 3.9 | 156 | 0.7 | 87 | 1.8 | 0.8 | 2.8 | 4.2 | 7.8 | -- |
| LSD 0.05 | 162474 | 1 | NS | NS | NS | NS | 2 | 0.7 | NS | 8.1 | 11.8 | -- |

¹ DAP = Days after planting.

² Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Variety: ND Genesis

Planting Date: May 3

Harvest Date: August 10

Previous Crop: 2014 = flax, 2015 = soybean

Tillage: No-till

Soil Type: Williams Loam