

2018 Safflower Variety Trial at Minot

North Central Research Extension Center

| Variety | Days to Bloom | Plant Height inches | Test Weight lbs/bu | Oil Content % | Seed Yield | | | | |
|------------------------------|---------------|------------------------|-----------------------|------------------|-----------------------------|------|------|-----------|-----------|
| | | | | | 2016 | 2017 | 2018 | 2 yr Avg. | 3 yr Avg. |
| | | | | | ----- pounds per acre ----- | | | | |
| <i>Linoleic Types</i> | | | | | | | | | |
| Cardinal | 70 | 27 | 45.0 | 35.1 | 2228 | 2165 | 1671 | 1918 | 2021 |
| Finch | 74 | 27 | 43.9 | 35.6 | 2378 | 2074 | 1391 | 1732 | 1948 |
| NutraSaff | 72 | 29 | 36.7 | 40.8 | 1545 | 2257 | 1541 | 1899 | 1781 |
| Chickadee | 69 | 24 | 44.0 | 36.5 | | | 1706 | | |
| Rubis Red | 70 | 29 | 47.1 | 29.5 | | | 1518 | | |
| <i>Oleic Types</i> | | | | | | | | | |
| Hybrid 1601 | 72 | 26 | 41.4 | 34.9 | 3213 | 3020 | 1894 | 2457 | 2709 |
| MonDak | 69 | 25 | 44.1 | 36.0 | 2269 | 2582 | 1622 | 2102 | 2158 |
| Montola 2003 | 73 | 27 | 40.8 | 38.1 | 2194 | 2120 | 1544 | 1832 | 1953 |
| Hybrid 200 | 73 | 27 | 44.2 | 32.5 | | | 2054 | | |
| Hybrid 446 | 73 | 26 | 43.8 | 32.2 | | | 1480 | | |
| Trial Mean | 71 | 27 | 43.1 | 35.1 | 2305 | 2435 | 1642 | -- | -- |
| C.V.% | 0.9 | 4.3 | 1.5 | 1.8 | 5.1 | 12.4 | 11.6 | -- | -- |
| LSD 5% | 1 | 2 | 1.1 | 1.1 | 175 | 528 | 326 | -- | -- |
| LSD 10% | 1 | 2 | 0.9 | 0.9 | 144 | 433 | 269 | -- | -- |

¹Days after Planting

Planting Date: May 8 Harvest Date: September 3
 Seeding Rate: Hybrids = 18 lbs/A, non-hybrids = 25 lbs/A
 Previous Crop: 2015 & 2017 = hrsw, 2016 = soybean
 Tillage System: Minimum till
 Soil Type: Williams Loam