

2020 Oil Type Sunflower Variety Trial at Minot

| Company | Hybrid | Days to | Days to | Plant | Test | Yield | Average | | | | |
|----------------------|----------------|---------|---------|--------|------|--------|---------|--------|------|------|------|
| | | Bloom | Mature | Height | | | Oil | Weight | 2018 | 2019 | 2020 |
| | | DAP* | DAP* | inches | % | lbs/bu | lbs/A | | | | |
| Nuseed | Badger DMR | 65 | 98 | 59 | 37.7 | 29.6 | -- | -- | 1690 | -- | -- |
| Nuseed | N5LM307 | 64 | 97 | 58 | 38.1 | 29.4 | 1650 | 2004 | 1959 | 1981 | 1871 |
| Nuseed | Hornet | 72 | 100 | 55 | 46.8 | 31.3 | 2649 | 2215 | 2295 | 2255 | 2386 |
| Nuseed | N4H422 CL | 69 | 102 | 64 | 44.5 | 32.8 | -- | -- | 2004 | -- | -- |
| Nuseed | N4H470 CL PLus | 72 | 101 | 58 | 46.5 | 33.9 | 3106 | 2518 | 1758 | 2138 | 2461 |
| Nuseed | N4HM354 | 66 | 100 | 58 | 44.2 | 30.6 | 1883 | 1916 | 2268 | 2092 | 2022 |
| Nuseed | Camaro II | 69 | 99 | 61 | 45.8 | 31.6 | 2322 | 2283 | 1905 | 2094 | 2170 |
| Nuseed | N4H302 E | 69 | 101 | 59 | 45.5 | 27.6 | 2642 | 2012 | 1388 | 1700 | 2014 |
| Nuseed | Falcon | 68 | 102 | 55 | 45.1 | 32.1 | 2387 | 1752 | 1805 | 1779 | 1981 |
| CROPLAN | CP545CL | 70 | 100 | 52 | 44.1 | 32.3 | 2270 | 2088 | 2081 | 2085 | 2146 |
| CROPLAN | CP432E | 64 | 98 | 58 | 41.3 | 30.1 | 2096 | 1993 | 1784 | 1888 | 1958 |
| CROPLAN | CP450E | 68 | 103 | 57 | 42.9 | 31.8 | 2371 | 1895 | 1565 | 1730 | 1944 |
| CROPLAN | CP455E | 68 | 104 | 59 | 44.4 | 30.4 | 3124 | 2965 | 1637 | 2301 | 2575 |
| CROPLAN | CP4909E | 69 | 100 | 60 | 45.6 | 31.2 | -- | 2033 | 1734 | 1884 | -- |
| CHS Sunflower | 8D310CL | 67 | 103 | 63 | 38.6 | 28.8 | -- | -- | 2218 | -- | -- |
| Proseed | E-93 E | 69 | 100 | 68 | 40.1 | 27.3 | -- | -- | 1392 | -- | -- |
| Proseed | E-91 E | 69 | 100 | 66 | 39.4 | 31.2 | -- | 1767 | 1409 | 1588 | -- |
| Proseed | E-31 | 69 | 101 | 66 | 39.1 | 26.8 | 2319 | 1345 | 1587 | 1466 | 1750 |
| DAIRYLAND SEED | D643HO | 66 | 99 | 68 | 45.8 | 30.6 | -- | -- | 2351 | -- | -- |
| DAIRYLAND SEED | D684HO | 69 | 104 | 69 | 43.3 | 34.2 | -- | -- | 1525 | -- | -- |
| DAIRYLAND SEED | D683MO | 67 | 104 | 61 | 41.6 | 31.5 | -- | -- | 1453 | -- | -- |
| DAIRYLAND SEED | D690MO | 69 | 103 | 66 | 44.5 | 30.9 | -- | -- | 1884 | -- | -- |
| Sunopta | 4415HO/CLP | 69 | 99 | 62 | 42.9 | 30.7 | 2185 | 1647 | 1978 | 1812 | 1937 |
| Sunopta | 4425CL | 66 | 104 | 65 | 42.4 | 30.9 | 2249 | 1874 | 1954 | 1914 | 2026 |
| Caussade Semences | Kaledonia | 68 | 103 | 60 | 31.3 | 26.6 | -- | -- | 1014 | -- | -- |
| Dyna-Gro | H45HO10EX | 67 | 103 | 57 | 43.5 | 28.0 | -- | 2128 | 1402 | 1765 | -- |
| Dyna-Gro | H49HO19CL | 72 | 101 | 54 | 45.9 | 30.4 | 2547 | 1601 | 1872 | 1737 | 2007 |
| Dyna-Gro | H45NS16CL | 64 | 98 | 54 | 46.5 | 30.4 | 2507 | 1499 | 1954 | 1727 | 1987 |
| Dyna-Gro | H44HO12CL | 66 | 100 | 54 | 45.7 | 31.1 | 2246 | 1764 | 1349 | 1556 | 1786 |
| Dyna-Gro | H42HO18CL | 65 | 97 | 52 | 44.3 | 30.1 | 2015 | 1625 | 2075 | 1850 | 1905 |
| Dyna-Gro | XH01H56 CL | 59 | 96 | 45 | 38.9 | 28.1 | -- | -- | 1297 | -- | -- |
| Dyna-Gro | XH93H79CL | 71 | 99 | 56 | 46.5 | 29.7 | -- | -- | 1865 | -- | -- |
| Dyna-Gro | XH82H63EX | 70 | 104 | 66 | 42.1 | 33.9 | -- | -- | 1540 | -- | -- |
| Dyna-Gro | XH82H65EX | 65 | 100 | 63 | 44.0 | 29.6 | -- | -- | 2272 | -- | -- |
| Long term check | Hybrid 894 | 66 | 102 | 54 | 43.5 | 29.6 | 1995 | 1640 | 1736 | 1688 | 1790 |
| Early maturing check | Honeycomb NS | 60 | 96 | 52 | 39.9 | 27.6 | -- | -- | 635 | -- | -- |
| Med maturing check | 8N270CLDM | 63 | 100 | 47 | 40.0 | 27.9 | -- | -- | 939 | -- | -- |
| Late maturing check | 559CL | 68 | 104 | 65 | 47.8 | 31.7 | 2219 | 2072 | 2051 | 2062 | 2114 |
| Trial Mean | | 67 | 101 | 59 | 42.9 | 30.4 | 2178 | 1889 | 1761 | -- | -- |
| C.V.% | | 1.6 | 2.0 | 6.6 | 2.5 | 4.2 | 11.8 | 14.4 | 16.8 | -- | -- |
| LSD 5% | | 2 | 3 | 6 | 1.7 | 2.1 | 308 | 442 | 481 | -- | -- |
| LSD 10% | | 1 | 3 | 5 | 1.5 | 1.8 | 258 | 370 | 402 | -- | -- |

*DAP = Days after planting.

Planting Date: May 29

Harvest Date: October 19

Row Spracing: 30"

Planting Population: 21,000 plants/A

Tillage: Minimum Till

Soil Type: Williams loam

Previous Crop: 2017 = soybean, 2018 and 2019 = spring wheat