

Oil Type Sunflower Variety Trial at Minot

| Company/Brand | Hybrid | Days to Bloom | Days to Mature | Plant Height | Oil | Test Weight | Yield | | | Average | |
|----------------|----------------------|---------------|----------------|--------------|------|-------------|-------|------|------|---------|------|
| | | DAP* | DAP* | inches | % | lbs/bu | 2016 | 2017 | 2018 | 2 yr | 3 yr |
| | | | | | | | lbs/A | | | | |
| Proseed | E-31 CL | 68 | 108 | 47 | 42.4 | 28.7 | 3694 | 2723 | 2319 | 2521 | 2912 |
| Proseed | E362436 | 69 | 108 | 49 | 42.5 | 30.6 | -- | 2387 | 1990 | 2188 | -- |
| Proseed | E-50016 CL | 70 | 107 | 46 | 42.8 | 31.3 | -- | 2142 | 1812 | 1977 | -- |
| Proseed | E-21 CL | 69 | 108 | 51 | 42.5 | 31.0 | -- | 2034 | 1769 | 1901 | -- |
| Mycogen Seeds | 8H449CLDM | 70 | 110 | 45 | 43.6 | 31.9 | 2969 | 3167 | 2432 | 2800 | 2856 |
| Mycogen Seeds | MY8H270CL | 65 | 103 | 43 | 43.2 | 29.9 | 2707 | 2649 | 2218 | 2434 | 2525 |
| Mycogen Seeds | 8H460CP | 73 | 111 | 48 | 43.1 | 30.4 | -- | -- | 2094 | -- | -- |
| SunOpta | 4425 | 69 | 106 | 48 | 42.3 | 31.0 | -- | 2467 | 2249 | 2358 | -- |
| SunOpta | 4415 | 69 | 107 | 48 | 43.3 | 30.2 | -- | 2519 | 2185 | 2352 | -- |
| CROPLAN | 455 E HO | 66 | 109 | 48 | 44.1 | 31.8 | -- | 2744 | 3124 | 2934 | -- |
| CROPLAN | 545 CL | 70 | 108 | 42 | 43.9 | 31.4 | -- | 3144 | 2270 | 2707 | -- |
| CROPLAN | 549 CL | 68 | 106 | 55 | 42.4 | 31.4 | -- | 2302 | 2416 | 2359 | -- |
| CROPLAN | 3845 HO | 70 | 110 | 45 | 43.6 | 33.0 | -- | 2490 | 2114 | 2302 | -- |
| CROPLAN | 432 E HO | 64 | 103 | 44 | 40.4 | 29.8 | -- | 2247 | 2096 | 2171 | -- |
| CROPLAN | 557 CL HO | 70 | 108 | 43 | 42.9 | 31.0 | -- | -- | 2508 | -- | -- |
| CROPLAN | 450 E HO | 69 | 110 | 48 | 40.4 | 30.3 | -- | -- | 2371 | -- | -- |
| Nuseed | Badger DMR | 69 | 106 | 45 | 42.4 | 31.6 | 3142 | 3816 | 2467 | 3141 | 3142 |
| Nuseed | Hornet | 70 | 108 | 42 | 44.4 | 31.6 | 3054 | 2651 | 2649 | 2650 | 2785 |
| Nuseed | Falcon | 68 | 107 | 44 | 43.5 | 31.9 | 3083 | 2792 | 2387 | 2589 | 2754 |
| Nuseed | Camaro II | 68 | 103 | 47 | 44.5 | 33.2 | 2409 | 3000 | 2322 | 2661 | 2577 |
| Nuseed | N4HM354 | 65 | 104 | 46 | 44.5 | 31.3 | 3278 | 2567 | 1883 | 2225 | 2576 |
| Nuseed | N4H470 CL Plus | 70 | 108 | 46 | 46.6 | 31.5 | -- | -- | 3106 | -- | -- |
| Nuseed | N4H302 E | 66 | 106 | 50 | 43.0 | 28.8 | -- | -- | 2642 | -- | -- |
| Nuseed | N5LM307 | 64 | 104 | 44 | 40.4 | 27.0 | -- | -- | 1650 | -- | -- |
| Allegiant Seed | 70H51CL | 71 | 109 | 50 | 47.1 | 31.1 | -- | -- | 2869 | -- | -- |
| Allegiant Seed | 65H81CL | 63 | 106 | 40 | 46.0 | 31.8 | -- | -- | 2600 | -- | -- |
| Dyna-Gro Seed | H48HO15CL | 71 | 109 | 48 | 46.3 | 30.7 | -- | -- | 2879 | -- | -- |
| Dyna-Gro Seed | H49HO19CL | 69 | 107 | 42 | 43.9 | 32.1 | -- | -- | 2547 | -- | -- |
| Dyna-Gro Seed | H45NS16CL | 66 | 105 | 41 | 44.6 | 31.8 | -- | -- | 2507 | -- | -- |
| Dyna-Gro Seed | H44HO12CL | 64 | 107 | 46 | 44.1 | 30.8 | -- | -- | 2246 | -- | -- |
| Dyna-Gro Seed | H42HO18CL | 66 | 108 | 41 | 43.3 | 31.0 | -- | -- | 2015 | -- | -- |
| -- | Long Term Check | 68 | 107 | 46 | 44.2 | 31.0 | 2636 | 1818 | 1995 | 1907 | 2150 |
| -- | Early Maturing Check | 60 | 100 | 42 | 43.1 | 27.7 | 1821 | 1212 | 982 | 1097 | 1338 |
| -- | Med Maturing Check | 63 | 105 | 43 | 43.5 | 30.6 | 2474 | 2231 | 2218 | 2224 | 2308 |
| -- | Late Maturing Check | 70 | 108 | 50 | 45.4 | 30.9 | 2863 | 1782 | 2219 | 2000 | 2288 |
| Trial Mean | | 68 | 107 | 47 | 43.4 | 30.6 | 2890 | 2582 | 2178 | -- | -- |
| C.V.% | | 1.4 | 1.1 | 4.3 | 2.6 | 2.7 | 11.3 | 16.5 | 11.8 | -- | -- |
| LSD 5% | | 2 | 2 | 3 | 1.8 | 1.3 | 538 | 693 | 308 | -- | -- |
| LSD 10% | | 1 | 2 | 3 | 1.5 | 1.1 | 449 | 580 | 258 | -- | -- |

*DAP = Days after planting.

Planting Date: May 25

Harvest Date: October 23

Row Spracing: 30"

Planting Population: 21,000 plants/A

Tillage: Minimum Till

Soil Type: Williams loam

Previous Crop: 2015 = spring wheat, 2016 = barley, 2017 = soybean

Note: Yield, test weight and oil content are adjusted to 10% moisture.