

NDSU Hettinger Research Extension Center

Oil Type Sunflower - 2022

Hettinger, ND

| Company/Brand | Hybrid | Oil Type & Traits ¹ | Days to Bloom | Plant Height inches | Test Weight lbs/bu | Oil Content % | Grain Yield | | |
|------------------|----------------|--------------------------------|---------------|------------------------|-----------------------|------------------|------------------|--------|--------|
| | | | | | | | 2022 | 2-Year | 3-Year |
| | | | | | | | -----lbs/ac----- | | |
| CROPLAN | CP3845 | HO | 68 | 65 | 30.7 | 44.1 | 2899 | 3190 | 2576 |
| CROPLAN | CP432E | NS, EX | 65 | 66 | 30.2 | 38.3 | 2540 | 2074 | 1955 |
| CROPLAN | CP450E | HO, EX | 70 | 71 | 29.4 | 39.8 | 2869 | 3067 | 2737 |
| CROPLAN | CP455E | HO, EX | 68 | 66 | 30.4 | 43.4 | 3175 | 3366 | 2984 |
| CROPLAN | CP4909E | NS, EX | 69 | 61 | 31.8 | 42.8 | 2585 | 2775 | 2517 |
| Dyna-Gro | H42HO18CL | HO, CL | 67 | 64 | 28.8 | 43.2 | 2073 | 2384 | 2165 |
| Dyna-Gro | H44HO12CL | HO, CL | 70 | 75 | 30.8 | 44.5 | 2755 | 2668 | 2448 |
| Dyna-Gro | H45HO10EX | HO, EX | 68 | 69 | 27.8 | 44.2 | 2437 | 2673 | 2343 |
| Dyna-Gro | H45NS16CL | NS, CL | 66 | 67 | 31.2 | 43.7 | 2677 | 2715 | 2466 |
| Dyna-Gro | H47HO11EX | HO, EX | 69 | 79 | 31.5 | 42.8 | 2744 | 2879 | -- |
| Dyna-Gro | H49HO19CL | HO, CL | 71 | 73 | 29.0 | 40.4 | 3061 | 3277 | 2853 |
| Dyna-Gro | H49NS14CL | NS, CL | 70 | 64 | 30.2 | 43.2 | 2717 | 3097 | 2642 |
| Dyna-Gro | XH22H66EX | HO, EX | 67 | 71 | 30.7 | 42.2 | 3116 | -- | -- |
| Dyna-Gro | XH82H65EX | HO, EX | 67 | 74 | 29.4 | 43.1 | 2266 | -- | -- |
| Nuseed | Falcon | NS, EX | 69 | 64 | 31.3 | 44.4 | 2450 | 2717 | 2472 |
| Nuseed | N4H302 E | HO, EX | 67 | 67 | 27.5 | 42.5 | 2431 | 2737 | 2431 |
| Nuseed | N4H422 CL | HO, CL | 68 | 77 | 30.0 | 42.0 | 2699 | 3084 | 2645 |
| Nuseed | N4H470 CL Plus | HO, CP | 71 | 72 | 31.3 | 44.8 | 3008 | 3430 | 2894 |
| Nuseed | N4H521 CL | HO, CL | 70 | 70 | 28.5 | 45.2 | 3019 | 3192 | 2899 |
| Nuseed | NHKE04490 | | 72 | 73 | 30.5 | 44.1 | 2615 | -- | -- |
| Proseed | 12G25 CL | HO, CL | 68 | 65 | 32.4 | 42.8 | 2585 | 2902 | 2650 |
| Proseed | E-50016 CL | HO, CL | 69 | 66 | 28.1 | 42.3 | 2413 | 2833 | 2515 |
| Proseed | E-91 E | HO, EX | 70 | 75 | 30.1 | 39.4 | 2847 | 2852 | 2476 |
| Proseed | EXP 2300CLP | HO, CP | 69 | 77 | 29.1 | 41.9 | 2345 | -- | -- |
| Proseed | EXP 2346-E | HO, EX | 72 | 75 | 28.3 | 42.6 | 2475 | -- | -- |
| RAGT | AC2101 | HO, CP | 68 | 72 | 27.1 | 39.6 | 2159 | 2726 | -- |
| RAGT | AC2201 | HO, CL | 70 | 73 | 30.5 | 41.5 | 2445 | -- | -- |
| Sunrich Products | 4415 | HO, CP | 68 | 75 | 28.1 | 40.5 | 2581 | 2766 | 2433 |
| Sunrich Products | 4425 CL | MO, CL | 68 | 74 | 29.0 | 36.9 | 2808 | 3322 | 2814 |
| Sunrich Products | GP25 CL | MO, CL | 68 | 74 | 27.9 | 38.4 | 2913 | 3224 | 2772 |
| USDA | 894 | TR | 68 | 69 | 29.5 | 43.7 | 2239 | 2538 | 2131 |
| CROPLAN | 559CL | NS, CL | 69 | 75 | 30.4 | 42.6 | 3271 | 3368 | 2508 |
| AAFC/USDA | Honeycomb NS | NS | 62 | 61 | 26.9 | 36.5 | 1443 | 1107 | 1250 |
| Mycogen Seeds | 8N270CLDM | NS, CL | 64 | 62 | 31.4 | 42.9 | 2245 | 2049 | 1896 |
| Trial Mean | | | 69 | 70 | 29.6 | 41.9 | 2588 | 2841 | 2480 |
| C.V. % | | | 1.0 | 5.1 | 2.7 | 2.6 | 9.4 | -- | -- |
| LSD 5% | | | 0.8 | 4.1 | 0.9 | 1.3 | 330 | -- | -- |
| LSD 10% | | | 0.6 | 3.2 | 0.7 | 1.0 | 256 | -- | -- |

¹ Type: TR-Traditonal, NS-NuSun, MO-Mid Oleic, HO-High Oleic, CL=Clearfield, CP=Clearfield Plus, EX=ExpressSun.

² Days after planting.

Planting Date: June 1

Harvest Date: October 21

Previous Crop: Wheat