

**2021 Dryland Oil Sunflower Hybrid
Performance Trial at Julesburg**

| Brand | Hybrid | Oil | | Yield ^c lb/ac | 2-Year | | Test Weight lb/bu | Plant Height in | Oil Content ^c percent |
|------------------------------|----------------|-------------------|--------------------------------|-----------------------------|---------------------|---------------------|-------------------------|-----------------------|--|
| | | Type ^a | Technology Traits ^b | | Avg. Yield lb/ac | Moisture percent | | | |
| CROPLAN by Winfield United | CP7919CL | NS | Clearfield | 1590 | - | 12 | 28 | 50 | 38 |
| Dyna-Gro | H49NS14CL | NS | Clearfield | 1410 | - | 12 | 30 | 42 | 38 |
| Nuseed | N4H422 CL | HO | Clearfield, DMR | 1380 | 1320 | 12 | 29 | 50 | 36 |
| Nuseed | N4H521 CL | HO | Clearfield, DMR | 1380 | 1380 | 12 | 29 | 43 | 37 |
| Nuseed | N4H470 CL Plus | HO | Clearfield Plus, DMR | 1350 | 1200 | 12 | 30 | 42 | 38 |
| Nuseed | Falcon | NS | ExpressSun | 1290 | - | 12 | 30 | 50 | 37 |
| Dyna-Gro | H49HO19CL | HO | Clearfield | 1230 | - | 12 | 29 | 42 | 36 |
| Nuseed | Hornet | HO | Clearfield, DMR | 1230 | 1200 | 12 | 29 | 38 | 36 |
| Dyna-Gro | XH81H52CP | HO | Clearfield | 1200 | - | 12 | 30 | 46 | 37 |
| CROPLAN by Winfield United | CP455E | HO | ExpressSun | 1140 | 1240 | 12 | 29 | 50 | 36 |
| Average | | | | 1320 | 1270 | 12 | 29 | 45 | 37 |
| ^d LSD (P<0.30) | | | | 147 | | | | | |
| ^d LSD (P<0.05) | | | | 286 | | | | | |
| Coefficient of Variation (%) | | | | 14.9 | | | | | |

^aOil type designations: HO=High oleic; NS=NuSun/Mid-oleic.

^bTechnology trait designations: Clearfield and Clearfield Plus=tolerant to Beyond herbicide; DMR=downy mildew resistance; ExpressSun=tolerant to Express herbicide.

^cYield and oil content were corrected to 10% moisture at harvest. Hybrids in the top yield group (P<0.30) are bolded.

^dFarmers selecting a hybrid based on yield should use the LSD (.30) to protect themselves from false negative decisions. Companies or researchers may be interested in the LSD (.05) to avoid false positive conclusions.

Site Information

Collaborator: Josh Lechman
 Planting Date: June 2, 2021
 Harvest Date: November 8, 2021
 Fertilizer: N at 54 and P at 14 lb/ac
 Herbicides: Spartan, Zidua, Dual, and Roundup at labeled rates
 Soil Type: Keith, Goshen, and Kuma silt loams
 GPS Coordinates: 40.86644, -102.23373

The data included in this table may not be republished without permission. Contact Sally Jones-Diamond at sally.jones@colostate.edu.