

**2021 Irrigated Oil Sunflower Hybrid
Performance Trial at Burlington**

Brand	Hybrid	Oil Type ^a	Technology Traits ^b	Yield ^c lb/ac	3-Year		Test Weight lb/bu	Plant Height in	Population plants/ac	Oil Content ^c percent
					Avg. Yield lb/ac	Moisture percent				
CROPLAN by Winfield United	CP7919CL	NS	Clearfield	3420	-	14	30	66	23,100	38
Nuseed	N4H521 CL	HO	Clearfield, DMR	3330	2820	14	30	75	22,100	38
Dyna-Gro	H49NS14CL	NS	Clearfield	2850	2750	15	31	70	20,300	36
Dyna-Gro	H49HO19CL	HO	Clearfield	2730	2480	14	31	66	21,100	37
Nuseed	N4H422 CL	HO	Clearfield, DMR	2700	2460	14	30	72	21,600	33
Nuseed	Hornet	HO	Clearfield, DMR	2670	2670	14	30	71	19,200	35
Dyna-Gro	XH81H52CP	HO	Clearfield	2640	-	16	32	78	24,800	37
CROPLAN by Winfield United	CP455E	HO	ExpressSun	2520	2490	14	31	66	21,100	35
Nuseed	N4H470 CL Plus	HO	Clearfield Plus, DMR	2520	2260	15	31	65	23,500	37
Nuseed	Falcon	NS	ExpressSun	2490	-	14	32	73	21,900	36
Nuseed	NHKE53359	HO	ExpressSun, DMR	2220	-	15	30	70	22,700	33
Nuseed	NLKE4002	NS	ExpressSun, DMR	2070	-	15	33	76	23,100	35
Average				2680	2560	14	31	71	22,000	36
^d LSD (P<0.30)				302						
^d LSD (P<0.05)				583						
Coefficient of Variation (%)				15.6						

^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: Gerhard Heintges
 Planting Date: June 11, 2021
 Harvest Date: October 21, 2021
 Fertilizer: N at 120 and P at 35 lb/ac
 Herbicide: Spartan and Zidua at labeled rates
 Soil Type: Richfield silty clay loam
 GPS Coordinates: 39.20124, -102.27261

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