

**2021 Irrigated Oil Sunflower Hybrid
Performance Trial at Prospect Valley**

Brand	Hybrid	Oil Type ^a	Technology Traits ^b	Yield ^c	2-Year	Moisture	Test Weight	Plant Height	Oil
				lb/ac	Avg. Yield				percent
CROPLAN by Winfield United	CP7919CL	NS	Clearfield	3210	-	15	26	57	37
Dyna-Gro	H49NS14CL	NS	Clearfield	2700	2950	17	26	43	32
Nuseed	N4H521 CL	HO	Clearfield, DMR	2700	2700	16	26	48	38
Nuseed	Hornet	HO	Clearfield, DMR	2490	2410	15	26	58	33
Nuseed	N4H422 CL	HO	Clearfield, DMR	2490	2590	14	26	54	33
CROPLAN by Winfield United	CP455E	HO	ExpressSun	2340	2690	14	28	63	35
Nuseed	Falcon	NS	ExpressSun	2280	-	13	28	56	34
Dyna-Gro	H49HO19CL	HO	Clearfield	2160	2410	13	27	47	34
Nuseed	N4H470 CL Plus	HO	Clearfield Plus, DMR	2070	2130	15	28	59	36
Dyna-Gro	XH81H52CP	HO	Clearfield	2040	-	16	28	56	34
Nuseed	NHKE53359	HO	ExpressSun, DMR	1830	-	16	25	56	31
Nuseed	NLKE4002	NS	ExpressSun, DMR	1740	-	13	26	56	31
Average				2340	2550	15	26	54	34
^d LSD (P<0.30)				382					
^d LSD (P<0.05)				738					
Coefficient of Variation (%)				21.9					

^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: Leon Zimbelman
 Planting Date: June 12, 2021
 Harvest Date: October 22, 2021
 Soil Type: Colby loam
 GPS Coordinates: 40.01568, -104.43006

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