

**2020 Irrigated Oil Sunflower Hybrid  
 Performance Trial at Prospect Valley**

Brand	Hybrid	Oil		Yield <sup>c</sup> lb/ac	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac	Oil Content <sup>c</sup> percent
		Type <sup>a</sup>	Technology Traits <sup>b</sup>						
Nuseed	N4H521 CL	HO	Clearfield, DM	<b>3192</b>	13.4	28.2	51	19,672	39.6
Croplan by Winfield United	CP455E	HO	ExpressSun, DM	<b>3034</b>	13.2	30.6	58	19,110	39.6
Dyna-Gro	H48HO15CL	HO	Clearfield	2934	13.0	29.2	56	18,267	42.0
Croplan by Winfield United	CP545CL	NS	Clearfield, DM	2862	13.3	30.8	51	21,921	40.9
Croplan by Winfield United	CP450E	HO	ExpressSun, DM	2801	12.6	30.7	60	20,656	38.8
Croplan by Winfield United	CP3845	HO	N/A	2754	12.7	31.0	57	19,391	43.2
Dyna-Gro	H49NS14CL	NS	Clearfield	2706	13.4	30.5	56	22,764	40.2
Nuseed	N4H422 CL	HO	Clearfield	2687	12.9	29.3	55	22,764	39.5
Dyna-Gro	H49HO19CL	HO	Clearfield	2653	12.7	30.4	52	20,796	40.1
Croplan by Winfield United	CPX50120CL	-	Clearfield	2598	13.0	29.5	60	22,623	39.4
Nuseed	N4H302 E	HO	ExpressSun	2536	13.2	27.8	52	17,846	39.0
Croplan by Winfield United	CP432E	NS	ExpressSun, DM	2516	12.3	30.2	54	21,639	37.4
Croplan by Winfield United	CL4909E	NS	ExpressSun	2357	13.1	30.6	59	22,061	39.2
Nuseed	Hornet	HO	Clearfield, DM	2322	12.7	29.3	56	23,326	40.2
Nuseed	N4HM354	NS	Clearfield, DM	2220	13.9	31.1	51	20,234	41.0
Nuseed	N4H470 CL Plus	HO	Clearfield Plus, DM	2187	13.3	30.8	62	21,780	41.9
Dyna-Gro	XH91H54CL	HO	Clearfield	2148	14.4	29.5	57	22,623	39.2
<b>Average</b>				<b>2618</b>	<b>13.1</b>	<b>30.0</b>	<b>55</b>	<b>21,028</b>	<b>40.1</b>
<sup>d</sup> LSD (P<0.30)				218					
<sup>d</sup> LSD (P<0.05)				419					
Coefficient of Variation (%)				11.2					

<sup>a</sup>Oil type designations: HO=High oleic; NS=NuSun/Mid-oleic.

<sup>b</sup>Technology trait designations: Clearfield and Clearfield Plus=tolerant to Beyond herbicide; DM=downy mildew resistance; ExpressSun=tolerant to Express herbicide; N/A=no technology traits.

<sup>c</sup>Yield and oil content were corrected to 10% moisture at harvest. Hybrids in the top yield group (P<0.30) are bolded.

<sup>d</sup>If the difference between two hybrid yields equals or exceeds the LSD value, the difference is significant. Hybrid yields in the top yield group (P<0.30) are in bold. Farmers should use the LSD (P<0.30) for selecting superior hybrids to minimize economic loss due to false negative results and others may use LSD (P<0.05) to minimize the risk of false positive results.

**Site Information**

Collaborator: Tim Trupp  
 Planting Date: June 2, 2020  
 Harvest Date: October 20, 2020  
 Soil Type: Colby loam  
 GPS Coordinates: 40.0742, -104.411

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