



**2021 Dryland Oil Sunflower Hybrid Performance Trial at Sheridan Lake**

Brand	Hybrid	Oil		Yield <sup>c</sup>	2-Year		Test		Plant		Oil
		Type <sup>a</sup>	Technology Traits <sup>b</sup>		lb/ac	Avg. Yield	Moisture	Weight	Lodging	Height	
				lb/ac	lb/ac	percent	lb/bu	percent	in	plants/ac	percent
CROPLAN by Winfield Unitec	CP7919CL	NS	Clearfield	<b>1200</b>	-	11	27	33	39	17,700	33
Nuseed	Hornet	HO	Clearfield, DMR	<b>1140</b>	941	11	27	33	45	19,000	34
Dyna-Gro	XH81H52CP	HO	Clearfield	<b>1140</b>	-	11	28	33	46	19,100	33
Dyna-Gro	H49NS14CL	NS	Clearfield	<b>1110</b>	922	11	27	30	48	18,100	33
S&W Seed Company	SF440 HO/CL	HO	Clearfield	<b>1080</b>	885	11	27	25	48	16,000	33
Nuseed	N4H521 CL	HO	Clearfield, DMR	1020	803	11	27	31	50	16,900	33
CROPLAN by Winfield Unitec	CP455E	HO	ExpressSun	990	859	11	26	28	46	18,000	31
Dyna-Gro	H49HO19CL	HO	Clearfield	990	847	11	26	35	49	18,300	32
Nuseed	N4H422 CL	HO	Clearfield, DMR	990	824	11	27	40	53	16,400	33
Nuseed	N4H470 CL Plus	HO	Clearfield Plus, DMR	960	800	11	27	30	47	19,800	34
S&W Seed Company	NSW21460	HO	Clearfield Plus	780	-	11	27	50	44	17,000	32
S&W Seed Company	SW1H81CLP	HO	Clearfield	600	-	11	25	40	43	14,800	31
S&W Seed Company	SF1H63CL	HO	Clearfield	570	-	11	25	35	50	11,200	30
Nuseed	Falcon	NS	ExpressSun	540	-	11	26	53	47	20,200	32
<b>Average</b>				<b>940</b>	<b>860</b>	<b>11</b>	<b>27</b>	<b>35</b>	<b>47</b>	<b>17,300</b>	<b>32</b>

<sup>d</sup>LSD (P<0.30)

143

<sup>d</sup>LSD (P<0.05)

276

<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; DMR=downy mildew resistance; ExpressSun=tolerant to Express herbicide.

<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>Farmers 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: Jason Specht  
 Planting Date: June 11, 2021  
 Harvest Date: October 20, 2021  
 Fertilizer: N at 50 lb/ac  
 Herbicide: Spartan, Valor, and glyphosate at labeled rates  
 Soil Type: Keith-Richfield silt loams  
 GPS Coordinates: 38.65979, -102.0965

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