



2020 Dryland Oil Sunflower Hybrid  
Performance Trial at Cheyenne Wells

Brand	Hybrid	Oil Type <sup>a</sup>	Technology Traits <sup>b</sup>	Yield <sup>c</sup> lb/ac	2-Year		Test Weight lb/bu	Plant Height in	Population plants/ac	Oil Content <sup>c</sup> percent
					Avg. Yield lb/ac	Moisture percent				
Dyna-Gro	H48HO15CL	HO	Clearfield	<b>931</b>	-	7.5	26.2	53	9,393	35.0
CROPLAN by Winfield United	CP3845	HO	N/A	<b>890</b>	1765	6.0	27.0	45	8,440	36.7
CROPLAN by Winfield United	CP450E	HO	ExpressSun, DM	789	1423	5.9	26.1	51	9,665	33.9
Nuseed	Hornet	HO	Clearfield, DM	742	1607	6.0	27.2	52	8,576	35.6
CROPLAN by Winfield United	CP432E	NS	ExpressSun, DM	741	1384	6.4	26.5	48	12,387	34.1
Dyna-Gro	H49NS14CL	NS	Clearfield	733	-	7.4	26.9	49	11,162	35.0
CROPLAN by Winfield United	CP455E	HO	ExpressSun, DM	727	1533	6.1	26.7	51	9,257	33.9
CROPLAN by Winfield United	CP545CL	NS	Clearfield, DM	725	1586	6.4	27.3	44	9,937	34.8
Nuseed	N4HM354	NS	Clearfield, DM	723	1270	6.6	27.1	52	8,984	35.1
Dyna-Gro	H49HO19CL	HO	Clearfield	703	-	6.6	26.4	46	9,801	35.6
CROPLAN by Winfield United	CPX50120CL	HO	Clearfield	696	-	7.8	25.7	51	8,712	35.2
CROPLAN by Winfield United	CL4909E	NS	ExpressSun	694	1414	6.7	27.2	54	10,754	35.4
S&W Seed Company	SF440	HO	Clearfield	689	-	6.3	27.2	49	8,576	35.1
Dyna-Gro	XH91H54CL	HO	Clearfield	667	-	7.1	26.3	51	10,073	34.2
Nuseed	N4H422 CL	HO	Clearfield, DM	658	-	6.4	26.2	54	12,387	33.9
Nuseed	N4H470 CL Plus	HO	Clearfield Plus, DM	640	1341	5.9	27.0	46	10,346	35.1
S&W Seed Company	SF110	HO	Clearfield	635	-	6.1	26.1	43	11,979	34.4
Nuseed	N4H521 CL	HO	Clearfield, DM	585	1542	6.9	26.3	48	10,754	35.1
Nuseed	N4H302 E	HO	ExpressSun	538	1127	6.4	25.9	47	9,937	33.2
<b>Average</b>				<b>711</b>	<b>1454</b>	<b>6.5</b>	<b>26.6</b>	<b>49</b>	<b>10,059</b>	<b>34.8</b>
<sup>d</sup> LSD (P<0.30)				88						
<sup>d</sup> LSD (P<0.05)				169						

<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: Jayson Specht  
 Planting Date: June 15, 2020  
 Harvest Date: October 15, 2020  
 Soil Type: Keith-Richfield silt loams  
 GPS Coordinates: 38.6572, -102.1626

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