



**2020 Dryland Oil Sunflower Hybrid
Performance Trial at Cheyenne Wells**

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

^aOil type designations: HO=High oleic; NS=NuSun/Mid-oleic.

^bTechnology trait designations: Clearfield and Clearfield Plus=tolerant to Beyond herbicide; DM=downy mildew resistance; ExpressSun=tolerant to Express herbicide; N/A=no technology traits.

^cYield and oil content were corrected to 10% moisture at harvest. Hybrids in the top yield group (P<0.30) are bolded.

^dIf the difference between two hybrid yields equals or exceeds the LSD value, there is a 70% chance the difference is significant (P<0.30) or 95% chance the difference is significant (P<0.05). Farmers selecting a hybrid based on yield should use the LSD (P<.30). Companies or researchers may be interested in the LSD (P<0.05).

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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