



2020 Dryland Oil Sunflower Hybrid
Performance Trial at Julesburg

Brand	Hybrid	Oil		Yield ^c	2-Year		Test	
		Type ^a	Technology Traits ^b		Avg. Yield	Moisture	Weight	Population
				lb/ac	lb/ac	percent	lb/bu	plants/ac
Croplan by Winfield United	CP432E	NS	ExpressSun, DM	1481	1277	12.3	26.8	10,209
Nuseed	N4H521 CL	HO	Clearfield, DM	1373	1326	13.7	27.7	9,120
Croplan by Winfield United	CL4909E	NS	ExpressSun	1371	1268	12.7	28.7	14,021
Croplan by Winfield United	CP545CL	NS	Clearfield, DM	1356	1216	12.5	28.2	12,660
Croplan by Winfield United	CP3845	HO	N/A	1343	1413	13.9	28.0	11,298
Croplan by Winfield United	CP450E	HO	ExpressSun, DM	1339	1212	12.8	28.4	10,890
Croplan by Winfield United	CP455E	HO	ExpressSun, DM	1324	1190	13.1	27.3	9,257
S&W Seed Company	SF440	HO	Clearfield	1271	1463	12.5	28.4	13,340
Nuseed	N4H422 CL	HO	Clearfield	1252	-	13.1	27.9	12,387
Nuseed	N4H302 E	HO	ExpressSun	1235	1150	12.3	26.3	7,487
Croplan by Winfield United	CPX50120CL	-	Clearfield	1201	-	12.5	28.7	14,293
Nuseed	Hornet	HO	Clearfield, DM	1175	1365	12.3	27.9	11,026
Nuseed	N4HM354	NS	Clearfield, DM	1154	1147	12.6	27.9	14,157
S&W Seed Company	SF110	HO	Clearfield	1104	1009	12.8	27.8	15,110
Nuseed	N4H470 CL Plus	HO	Clearfield Plus, DM	1043	1209	12.6	28.9	15,654
Average				1268	1250	12.8	27.9	12,061

^dLSD (P<0.30)

111

^dLSD (P<0.05)

213

Coefficient of Variation (%)

14.0

^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<0.30). Companies or researchers may be interested in the LSD (P<0.05).

Site Information

Collaborator: Josh Lechman
 Planting Date: June 8, 2020
 Harvest Date: October 21, 2020
 Soil Type: Richfield loam
 GPS Coordinates: 40.869, -102.2266

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