



2020 Irrigated Oil Sunflower Hybrid
Performance Trial at Burlington

Brand	Hybrid	Oil Type ^a	Technology Traits ^b	Yield ^c lb/ac	2-Year Avg. Yield lb/ac	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac
Nuseed	Hornet	HO	Clearfield, DM	2679	2673	15.0	31.7	61	20,909
Croplan by Winfield United	CP545CL	NS	Clearfield, DM	2602	2737	13.9	31.8	54	17,932
Croplan by Winfield United	CPX50120CL	-	Clearfield	2485	-	15.3	31.3	62	20,110
Dyna-Gro	H48HO15CL	HO	Clearfield	2482	2512	14.0	31.0	63	18,150
Nuseed	N4H422 CL	HO	Clearfield	2443	2343	14.9	31.4	62	20,473
Croplan by Winfield United	CP455E	HO	ExpressSun, DM	2375	2481	14.6	32.5	57	17,642
Dyna-Gro	H49NS14CL	NS	Clearfield	2312	2694	16.4	31.9	60	19,820
S&W Seed Company	SF440	HO	Clearfield	2259	-	15.3	31.3	63	19,675
Croplan by Winfield United	CP450E	HO	ExpressSun, DM	2239	2585	14.3	32.1	59	16,190
Nuseed	N4H470 CL Plus	HO	Clearfield Plus, DM	2183	2130	14.2	32.4	60	20,546
Nuseed	N4H521 CL	HO	Clearfield, DM	2038	2571	13.8	30.6	59	20,038
Dyna-Gro	H49HO19CL	HO	Clearfield	2025	2348	13.9	32.2	61	18,295
Nuseed	N4H302 E	HO	ExpressSun	1964	1792	12.9	30.5	59	15,754
Croplan by Winfield United	CP432E	NS	ExpressSun, DM	1848	2171	13.8	32.3	58	17,279
S&W Seed Company	SF110	HO	Clearfield	1744	-	13.1	32.1	56	17,424
Croplan by Winfield United	CL4909E	NS	ExpressSun	1622	2009	14.2	32.1	60	18,005
Dyna-Gro	XH00H57	NS	N/A	1563	-	13.6	31.7	66	17,860
Nuseed	N4HM354	NS	Clearfield, DM	1511	1687	14.5	32.3	57	20,909
Croplan by Winfield United	CP3845	HO	N/A	838	1481	15.5	32.0	56	18,440
Average				2064		14.4	31.7	59	18,708

^dLSD (P<0.30)

230

^dLSD (P<0.05)

440

Coefficient of Variation (%)

16.0

^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: Gerhard Heintges
Planting Date: June 1, 2020
Harvest Date: October 14, 2020
Soil Type: Norka-Colby silt loams
GPS Coordinates: 39.187, -102.2714

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