

2025 Irrigated Oil Sunflower Hybrid Performance Trial at Walsh

Brand	Hybrid	Oil Type ^a	Technology Traits ^b	Grain		Moisture percent	Test	Oil
				Yield ^c lb/ac	Yield ^c % of test avg.		Weight lb/bu	Content ^c percent
Croplan	CP455E	HO	ExpressSun	1186	141%	4.2	20.8	34.8
Croplan	CP4255E	HO	ExpressSun	1158	138%	5.1	22.0	37.4
Croplan	CP5249CL	HO	ClearField	1002	119%	3.6	19.7	35.8
Sunrich Products	4425CL	NS	Clearfield	987	118%	4.1	19.8	30.7
Advanta	ADV 5407CL	Traditional	Clearfield	959	114%	3.5	19.7	35.6
Nuseed	N4H490 E	HO	ExpressSun	949	113%	4.4	20.8	36.1
Advanta	Hysun 182 IT	Traditional	Clearfield	947	113%	3.3	18.4	31.6
Nuseed	N4H470 CLP	HO	Clearfield Plus	905	108%	4.4	20.2	36.3
Croplan	CP7919CL	HO	Clearfield	896	107%	3.2	18.4	38.3
Dyna-Gro	H50HO20CP	HO	Clearfield Plus	858	102%	3.6	20.1	38.9
Dyna-Gro	H49HO19CL	HO	Clearfield	851	101%	4.2	19.7	34.0
Advanta	ADV 5310CL	Traditional	Clearfield	821	98%	4.3	21.2	36.9
Sunrich Products	4415HO/DMR/CLP	HO	Clearfield Plus	820	98%	4.2	20.8	33.8
Dyna-Gro	XH41H54CL	HO	Clearfield	791	94%	4.6	20.9	35.0
Dyna-Gro	XH41H56CL	HO	Clearfield	699	83%	5.3	22.3	34.0
Advanta	ADV 5205CLHO	HO	Clearfield	662	79%	5.0	20.9	37.1
Nuseed	N4H422 CL	HO	Clearfield	653	78%	5.0	21.4	37.6
Nuseed	N4H205 E	HO	ExpressSun	639	76%	2.8	18.3	32.0
Advanta	Hysun 302 IT	Traditional	Clearfield	639	76%	5.0	21.0	31.0
Advanta	V201810 (ADV 5420CL)	Traditional	Clearfield	620	74%	5.7	22.5	39.0
Croplan	CP4490E	HO	ExpressSun	588	70%	4.3	-	33.3
Average				839	100%	4.3	20.4	35.2
^d LSD (0.30)				154			0.6	
^d LSD (0.05)				295			1.3	
Coefficient of Variation (%)				16.0			2.1	

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

^bTechnology trait designations: Clearfield and Clearfield Plus=tolerant to Beyond herbicide; ExpressSun=tolerant to Express herbicide.

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

^dFarmers selecting a variety based on yield should use the LSD (.30) to protect themselves from false negative conclusions (concluding varieties are the same when they are actually different). Companies or researchers may use the LSD (.05) to avoid false positive conclusions (concluding varieties are different when they are actually the same).

Site Information

Collaborator: Tim Hume

Planting Date: June 17, 2025

Harvest Date: October 30, 2025

Soil Type: Baca Silt Loam

GPS: 37.532858, -102.212547

Trial Comments: Trial was planted into good moisture. There was a severe hailstorm in late summer that caused severe bruising to the stalks and heads, leading to considerable yield reduction. Estimated precipitation during the growing season was 9.72".

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