

2025 Dryland Oil Sunflower Hybrid Performance Trial at Walsh

Brand	Hybrid	Oil Type ^a	Technology Traits ^b	Grain		Moisture percent	Test Weight lb/ac	Oil Content ^c percent
				Yield ^c lb/ac	Yield ^c % of test avg.			
Dyna-Gro	H50HO20CP	HO	Clearfield Plus	1259	128%	8.7	27.8	45.2
Advanta	Hysun 182 IT	Traditional	Clearfield	1239	126%	9.0	26.6	39.1
Advanta	ADV 5310CL	Traditional	Clearfield	1232	125%	11.0	26.9	41.1
Advanta	ADV 5407CL	Traditional	Clearfield	1158	118%	9.8	27.3	44.6
Advanta	ADV 5205CLHO	HO	Clearfield	1116	113%	8.3	25.8	38.8
Advanta	V201810 (ADV 5420CL)	Traditional	Clearfield	1094	111%	9.8	27.9	44.0
Croplan	CP7919CL	HO	ClearField	1094	111%	9.1	27.3	42.1
Croplan	CP5249CL	HO	ClearField	1049	106%	7.4	26.1	44.5
Dyna-Gro	H49HO19CL	HO	Clearfield	1027	104%	7.9	26.0	43.0
Croplan	CP4490E	HO	ExpressSun	973	99%	7.4	26.0	40.6
Nuseed	N4H470 CLP	HO	Clearfield Plus	956	97%	7.9	27.5	42.6
Sunrich Products	4415HO/DMR/CLP	HO	Clearfield Plus, DMR	932	95%	8.0	26.7	38.7
Nuseed	N4H422 CL	HO	ClearField	925	94%	9.0	27.6	42.0
Advanta	Hysun 302 IT	Traditional	Clearfield	903	92%	10.8	27.1	35.4
Dyna-Gro	XH41H54CL	HO	Clearfield	883	90%	9.2	26.8	41.9
Dyna-Gro	XH41H56CL	HO	Clearfield	870	88%	8.1	26.8	38.1
Nuseed	N4H490 E	HO	ExpressSun	858	87%	8.8	26.9	42.1
Sunrich Products	4425CL	NS	Clearfield	852	86%	9.0	25.8	36.3
Croplan	CP455E	HO	ExpressSun	822	83%	8.0	27.1	39.4
Nuseed	N4H205 E	HO	ExpressSun	734	75%	7.7	25.1	44.0
Croplan	CP4255E	HO	ExpressSun	718	73%	8.0	26.4	37.2
Average				985	100%	8.7	26.7	41.0
^d LSD (0.30)				177			0.7	
^d LSD (0.05)				338			1.3	
Coefficient of Variation (%)				17.1			1.8	

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

^bTechnology trait designations: Clearfield and Clearfield Plus=tolerant to Beyond herbicide; DMR=downy mildew resistance; 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: 3WC Farms

Planting Date: June 25, 2025

Harvest Date: October 30, 2025

Fertilizer: Starter: N at 3 lb/ac and P at 10 lb/ac

Pesticides: Pre-emerge: Paraquat at 32 oz/ac, Tigris 4SC at 2 oz/ac, and Anthem Flex at 4 oz/ac

Post-emerge: Clethodim

Vantacor insecticide applied in August for head moth control

Soil Type: Wiley loam

GPS: 37.4388254, -102.3095882

Trial Comments: Trial was planted into good moisture, no hail during the season. Radar estimates showed rainfall from planting in late June to harvest as 6.7" total.

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