

**2017 Irrigated Oilseed Sunflower Hybrid Trial**  
**Dallam County, Texas**  
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Planted July 3, harvested November 3, 2017. Ronald Meyer, cooperators, Dalhart, Texas.

Company or Brand	Hybrid	Hybrid Trait†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Test Wt. (lbs./bu)	% Oil Content	Oil Yield (lbs./A)	Seed Yield @10% H2O (lbs./A)	Crop Value‡ (\$/Acre)
DynaGro	XH71H11CL	HO, CL	57	56	18,200	28.1	38.8	644	1,660	278
DynaGro	XH71H27CL	HO, CL	61	62	19,500	27.7	41.0	809	1,972	348
DynaGro	XH72H22CL	HO, CL	57	50	16,800	28.8	40.2	844	2,098	364
DynaGro	XH72H38CL	HO, CL	60	64	16,500	28.7	41.1	763	1,858	328
DynaGro	XH72H47CL	HO, CL	61	66	18,100	26.8	43.0	906	2,107	387
DynaGro	XH72H61CL	HO, CL	56	56	17,700	27.0	41.3	798	1,930	343
DynaGro	XH72N54CP	NS, CL	58	53	18,528	31.7	44.7	877	1,961	350
DynaGro	XH73H32CL	HO, CL	58	53	16,800	28.0	38.4	628	1,634	271
Mycogen	E84131CL	HO, CL, SS	54	35	18,600	27.2	40.1	682	1,701	294
Mycogen	MY8H456CL	HO, CL	61	61	18,700	26.7	42.3	907	2,146	388
Mycogen	8H449CLDM	HO, CL	59	66	17,400	30.1	43.2	871	2,017	371
Nuseed	Cobalt II	HO, CL	57	50	16,500	28.1	39.4	822	2,086	355
Nuseed	Hornet	HO, CL	61	60	18,300	28.2	40.9	851	2,080	366
Nuseed	N4HM354	NS, CL	59	59	16,600	29.6	41.8	981	2,344	396
Nuseed	N4HM521	HO, CL	59	56	16,800	27.1	42.1	752	1,789	322
Nuseed	N4HM505	HO, CL	59	57	18,800	27.7	40.9	953	2,331	411
Terral	REV SF364	NS, EX	57	62	17,500	27.5	41.8	840	2,009	339
Terral	REV SF385	HO, EX	58	73	18,500	30.2	41.3	986	2,386	424
<b>Oilseed Average</b>			<b>58</b>	<b>58</b>	<b>17,800</b>	<b>28.3</b>	<b>41.2</b>	<b>829</b>	<b>2,006</b>	<b>\$352</b>

P-Value (Hybrid)	<0.0001	<0.0001	0.0327	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fisher's Protected LSD (0.05)¶	2	6	1,900	1.3	1.0	103	239	43	
Coefficient of Variation, CV (%)	3.6	15.4	8.1	5.5	4.0	14.6	13.0	14.0	

†Nu = NuSun mid-oleic, HO = high oleic, EX = Express herb. tolerant, CL = Clearfield herb. tolerant, SS = short stature;

‡Most common market pricing for oilseed is HO @ \$17.30/cwt. & Nu @ \$16.30/cwt. with 2-for-1 pricing above 40.0% oil & -2.5-for-1 below 40.0%.

¶Numbers in the same column that vary by more than the LSD are significantly different at the 95% confidence level.

**2017 Trial Notes:**

Seasonal rainfall was ~11" with ~6" irrigation. Sunflower head moth control (Dupont Prevathon) was applied twice by airplane. Trial received ~80 lbs. N/acre.

An adjacent confectionary sunflower hybrid trial (8 entries) yielded \_\_\_ lbs./A (X% seed >22/64") with average crop value \$ \_\_\_/acre.

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