



2017 Irrigated Oilseed Sunflower Hybrid Trial
Lubbock, Texas
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Planted June 29, harvested November 8, 2017.

Company or Brand	Hybrid	Hybrid Trait†	Days to Half Bloom	Sept. 29 Growth Stage§	Plant Height (in.)	Avg. Plants/acre	Test Wt. (lbs./bu)	% Oil Content	Oil Yield (lbs./A)	Seed Yield @10% H2O (lbs./A)	Crop Value‡ (\$/Acre)
DynaGro	XH71H27CL	HO, CL	57	7.9	54	19,100	27.4	38.8	724	1,862	313
DynaGro	XH72H47CL	HO, CL	55	8.5	53	16,300	25.9	39.4	725	1,842	314
Mycogen	MY8H456CL	HO, CL	56	8.4	51	18,000	25.9	39.6	880	2,223	381
Mycogen	MY8S527	HO, LowSat	54	7.6	50	17,200	26.1	38.4	696	1,812	301
Nuseed	Cobalt II	HO, CL	50	8.3	40	17,200	28.9	37.6	674	1,792	291
Nuseed	Hornet	HO, CL	57	7.8	57	16,800	28.8	38.5	742	1,927	321
Nuseed	N4HM354	NS, CL	54	8.2	50	17,500	29.6	38.0	831	2,183	338
Nuseed	N4HM521	HO, CL	53	7.8	50	17,100	27.2	38.5	923	2,399	399
Nuseed	N4HM505	HO, CL	54	8.3	50	17,900	28.1	38.0	824	2,167	356
Terral	REV SF364	NS, EX	52	8.4	50	17,800	28.7	38.2	652	1,704	265
Terral	REV SF385	HO, EX	53	7.6	59	16,500	30.4	36.2	608	1,682	260
Oilseed Average			54	8.1	51	17,400	27.9	38.3	753	1,963	\$322

P-Value (Hybrid)	<0.0001		<0.0001	0.7302	<0.0001	<0.0001	0.0035	0.0056	0.0024
Fisher's Protected LSD (0.05)¶	2		6	NS	1.3	0.9	153	381	66
Coefficient of Variation, CV (%)	3.9		11.2	11.5	6.0	2.6	17.5	16.4	17.8

†Nu = NuSun mid-oleic, HO = high oleic, EX = Express herb. tolerant, CL = Clearfield herbicide tolerant, LowSat = low saturated fat.

§Description of sunflower growth stages. 1981. Schneiter et al., Crop Science 21:901-903.

‡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 ~12 with 6" irrigation. Sunflower head moth control (Dupont Prevathon) was applied twice by backpack sprayer. Trial received 60 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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