

2015 Irrigated Oilseed Sunflower Hybrid Trial
 Lubbock, Texas

Planted June 23, harvested November 11, 2015.

Company or Brand	Hybrid	Hybrid Trait†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Lodging %	Test Wt. (lbs./bu)	% Oil Content	Oil Yield (lbs./A)	Seed Yield ,@10% H2O (lbs./A)	Crop Value‡ (\$/Acre)
Mycogen	8H449CLDM	HO, CL	51	56	11,600	1	33.3	39.9	1,019	2,551	510
Mycogen	8H570SCL	HO, CL, SS	54	38	12,100	0	30.0	39.5	868	2,195	437
Mycogen	MY8H45CL	HO, CL	53	59	11,600	2	28.7	39.5	785	1,990	396
Nuseed	Cobalt II	HO, CL	50	55	12,900	0	30.7	36.4	658	1,807	348
Nuseed	Hornet	HO, CL	54	64	11,900	1	29.0	37.0	708	1,913	371
Nuseed	NKH12M054#	HO, ?	54	58	12,800	0	30.0	36.5	712	1,954	377
Nuseed	NKH12M055#	HO, ?	53	58	12,100	0	30.7	36.2	695	1,919	369
Syngenta	3495 NS/CL/DM	Nu/CL	51	54	11,200	2	33.3	35.4	626	1,767	337
Syngenta	3732 NS	Nu	52	49	13,000	1	30.4	36.9	849	2,298	445
Syngenta	7111 HO/CL/DM	HO/CL	47	48	13,000	0	32.0	34.9	603	1,728	328
Syngenta	SY7717	HO	47	53	12,000	0	31.3	36.5	696	1,907	368
Terral Seed	Rev SF364	Nu, EX	50	56	12,700	2	30.8	37.7	701	1,858	363
Terral Seed	Rev SF385	HO, EX	51	62	12,400	1	32.2	36.0	619	1,718	330
Oilseed Average			51	54	12300	1	30.9	37.1	734	1,970	\$383

P-Value (Hybrid)	<0.0001	<0.0001	0.3734	0.8313	<0.0001	<0.0001	<0.0001	0.0001	<0.0001
Fisher's Protected LSD (0.05)¶	1	5	NS	NS	1.4	1.2	158	253	\$48
Coefficient of Variation, CV (%)	4.5	13.4	10.6	282	5.2	4.8	16.6	15.3	16.2

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

‡Typical 2015 market pricing for Dallam Co. oilseed is HO @ \$23.50/cwt. & Nu @ \$21.50/cwt. with 2-for-1 pricing based on 40.0% oil.

#Experimental hybrid.

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

2015 Trial Notes:

Seasonal rainfall was ~12" with furrow irrigation of ~5" with deep soil moisture at planting. Sunflower head moth control (Dupont Prevathon) was applied twice within the plots with a backpack sprayer. Trial received ~80 lbs. N/acre.

An adjacent confectionary sunflower hybrid trial (6 entries) yielded 2,319 lbs./A (87.1% seed >20/64") with an average crop value of \$597/acre.

Trial conducted by Dr. Calvin Trostle, Extension Agronomy, Lubbock, (806) 723-8432, ctrostle@ag.tamu.edu



**2012-2013 & 2015 Irrigated Oilseed Sunflower
Hybrid Trial
Lubbock, Texas**



Company or Brand	Hybrid	Hybrid Trait†	2015		2013, 2015		2012-2013, 2015	
			%Oil Content	Yield (lbs./A)	%Oil Content	Yield (lbs./A)	%Oil Content	Yield (lbs./A)
Mycogen	8H449CLDM	HO, CL	39.9	2,551	39.9	2,228	40.4	2,130
Mycogen	8H570SCL	HO, CL, SS	39.5	2,195	39.9	1,724	40.4	1,888
Mycogen	MY8H45CL	HO, CL	39.5	1,990				
Nuseed	Cobalt II	HO, CL	36.4	1,807	37.4	1,655	38.2	1,552
Nuseed	Hornet	HO, CL	37.0	1,913	37.1	1,751		
Nuseed	NKH12M054#	HO, ?	36.5	1,954				
Nuseed	NKH12M055#	HO, ?	36.2	1,919				
Syngenta	3495 NS/CL/DM	Nu/CL	35.4	1,767				
Syngenta	3732 NS	Nu	36.9	2,298				
Syngenta	7111 HO/CL/DM	HO/CL	34.9	1,728				
Syngenta	SY7717	HO	36.5	1,907				
Terral Seed	Rev SF364	Nu, EX	37.7	1,858				
Terral Seed	Rev SF385	HO, EX	36.0	1,718				
Oilseed Average			39.2	2,530	38.6	1,839	39.7	1,857

†The 2014 Lubbock oilseed trial results are not included in multi-year averages due to variability and low yields in part due to unavailable irrigation water after initial bloom and increasing bird feeding pressure that required early harvest.

#Experimental hybrid.

For further information about this test contact Extension agronomist Dr. Calvin Trostle, Texas A&M AgriLife Extension, Lubbock, (806) 723-8432, ctrostle@ag.tamu.edu For Texas A&M AgriLife Crop Testing program info. contact Mr. Dennis Pietsch, Crop Testing director, Texas A&M AgriLife Research, College Station, (979) 845-8505, croptest@tamu.edu

For further information about sunflower in Texas contact Calvin Trostle, or visit our sunflower webpages at <http://lubbock.tamu.edu/sunflower>, or <http://varietytesting.tamu.edu/sunflower>