

Planted June 26, harvested November 5, 2015.

Company or Brand	Hybrid	Hybrid Trait†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Blank Seed %	Test Wt. (lbs./bu)	% Oil Content	Oil Yield (lbs./A)	Seed Yield ,@10% H2O (lbs./A)	Crop Value‡ (\$/Acre)
Croplan§	458E HO	HO, EX	N/A	72	19,200	2	28.9	41.6	1,034	2,487	603
Mycogen	8H449CLDM	HO, CL	55	65	17,300	12	33.3	40.2	841	2,092	493
Mycogen	8H570SCL	HO, CL, SS	58	47	18,500	14	31.8	43.6	1,156	2,646	668
Mycogen	MY8H45CL	HO, ?	56	73	18,600	4	29.5	42.2	1,140	2,699	663
Nuseed	Cobalt II	HO, CL	53	65	17,600	2	31.0	36.9	911	2,469	544
Nuseed	Hornet	HO, CL	58	73	18,900	2	31.1	41.8	1,186	2,839	691
Nuseed	NKH12M054#	HO, ?	55	71	16,700	2	32.1	39.7	1,004	2,525	590
Nuseed	NKH12M055#	HO, ?	55	64	15,200	2	31.7	38.2	878	2,297	521
Rev Seeds	SF364	Nu, EX	53	68	17,200	8	30.2	38.1	1,008	2,648	547
Rev Seeds	SF385	HO, EX	54	71	16,000	6	31.9	35.1	822	2,344	497
Syngenta	3495 NS/CL/DM	Nu/CL	53	65	17,500	4	33.6	38.5	1,094	2,850	593
Syngenta	3732 NS	Nu	53	60	16,600	4	31.9	41.2	1,187	2,883	634
Syngenta	7111 HO/CL/DM	HO/CL	51	56	18,300	3	30.3	33.5	673	2,011	411
Syngenta	SY7717	HO	52	68	18,400	3	30.9	38.7	1,019	2,634	603
<b>Oilseed Average</b>			<b>54</b>	<b>65</b>	<b>17,600</b>	<b>4.8</b>	<b>31.3</b>	<b>39.2</b>	<b>997</b>	<b>2,530</b>	<b>\$576</b>

P-Value (Hybrid)	<0.0001	<0.0001	0.0193	0.0004	<0.0001	<0.0001	<0.0001	0.0001	<0.0001
Fisher's Protected LSD (0.05)¶	2	4	2,200	6	0.7	1.0	143	366	\$82
Coefficient of Variation, CV (%)	4.2	11.3	10.1	107	4.3	7.2	17.8	14.2	16.3

†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.

§Croplan 458E HO seed was received late and planted by hand on July 6, 2015 (no bloom notes, plots were sprayed by hand one extra time with Prevathon to ensure adequate sunflower head moth control beyond the coverage of earlier sprays.

#Experimental hybrid.

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

**Trial Notes:**

Pre-plant (from May 1) and in-season rainfall ~15" with sprinkler irrigation of ~6" (deep soil moisture at planting). Sunflower head moth control (Dupont Prevathon) applied twice with a backpack sprayer & field received one additional overspray from the farmer's Prevathon application. Approximate N fertility of 90 lbs./A was applied. There were no visible yield limiting factors.

An adjacent confectionary sunflower hybrid trial (6 entries) yielded 3,145 lbs./A with an average crop value of \$812/acre.

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

Company or Brand	Hybrid	Hybrid Trait†	2015		2014-2015		2013-2015		2012-2015	
			%Oil Content	Yield (lbs./A)	%Oil Content	Yield (lbs./A)	%Oil Content	Yield (lbs./A)	%Oil Content	Yield (lbs./A)
Croplan§	458E HO	HO, EX	41.6	2,487						
Mycogen	8H449CLDM	HO, CL	40.2	2,092	41.8	2,292	42.7	2,163	43.1	2,271
Mycogen	8H570SCL	HO, CL, SS	43.6	2,646	43.7	2,524				
Mycogen	MY8H45CL	HO, ?	42.2	2,699						
Nuseed	Cobalt II	HO, CL	36.9	2,469	37.5	2,269	38.2	2,016	38.6	1,922
Nuseed	Hornet	HO, CL	41.8	2,839	40.9	2,303	41.2	2,157		
Nuseed	NKH12M054#	HO, ?	39.7	2,525	40.2	2,554				
Nuseed	NKH12M055#	HO, ?	38.2	2,297						
Terral Seed	Rev SF364	Nu, EX	38.1	2,648	38.8	2,549				
Terral Seed	Rev SF385	HO, EX	35.1	2,344	37.2	2,262				
Syngenta	3495 NS/CL/DM	Nu/CL	38.5	2,850						
Syngenta	3732 NS	Nu	41.2	2,883	39.4	2,483				
Syngenta	7111 HO/CL/DM	HO/CL	33.5	2,011	33.3	1,663				
Syngenta	SY7717	HO	38.7	2,634						
<b>Oilseed Average</b>			39.2	2,530	39.2	2,322	40.7	2,112	40.9	2,096

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>