

Planted June 23, harvested November 10, 2014.

Company or Brand	Hybrid	Hybrid Trait†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Rust Rating &	Growth Stage #	Test Wt. (lbs./bu)	% Oil Content	Oil Yield (lbs./A)	Seed Yield @10% H2O (lbs./A)	Crop Value‡ (\$/Acre)
Mycogen	8H412CPDM	HO, CP	56	60	16,400	1.8	8.6	32.4	40.5	883	2,186	486
Mycogen	8H449CLDM	HO, CL	56	52	18,000	1.0	9.1	34.0	43.4	1,082	2,492	586
Mycogen	8H570CL	HO, CL, SS	56	41	16,600	1.3	8.6	32.9	43.9	1,056	2,401	570
Mycogen	8H859CL	HO, CL	55	58	14,500	0.0	8.8	31.7	39.5	979	2,474	540
Mycogen	8N668S	Nu, SS	56	53	15,600	1.3	8.9	33.4	42.6	1,002	2,354	495
Nuseed Global	Camaro II	Nu, CL	55	59	16,200	3.5	9.0	32.9	40.3	889	2,205	444
Nuseed Global	Cobalt II	HO, CL	54	57	18,200	3.3	8.9	31.2	38.0	786	2,069	437
Nuseed Global	Hornet	HO, CL	57	60	17,200	3.3	8.9	30.4	40.0	706	1,768	388
Nuseed Global	NSK12MO54	HO, CL	56	55	15,400	4.0	8.9	32.5	40.6	1,048	2,583	575
Syngenta	3875	HO	54	53	17,300	0.8	9.3	31.4	38.5	963	2,501	485
Syngenta	3732NS	Nu	54	55	17,100	1.8	9.4	29.2	37.6	786	2,083	398
Syngenta	7111HO	HO	53	52	16,700	1.8	9.1	28.2	33.1	436	1,315	250
Syngenta	7120HO-CL	HO, CL	53	53	15,800	2.8	9.4	29.1	38.5	813	2,112	451
Terral Seed	SF364	Nu, EX	54	62	14,900	2.3	9.0	29.5	39.4	966	2,451	484
Terral Seed	SF385	HO, EX	55	62	15,300	2.5	8.9	32.5	39.3	856	2,179	472
<b>Oilseed Average</b>			<b>55</b>	<b>55</b>	<b>16,300</b>	<b>2.1</b>	<b>9.0</b>	<b>31.4</b>	<b>39.7</b>	<b>883</b>	<b>2,211</b>	<b>471</b>

P-Value (Hybrid)	<0.0001	<0.0001	0.5268			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fisher's Protected LSD (0.05)¶	2	5	NS			1.0	1.5	165	390	86
Coefficient of Variation, CV (%)	2.9	11.3	13.3			5.9	6.9	21.5	18.0	20.1

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

&Rust infection rating, top 8 leaves/petioles, 9/26: 0 none, 1 trace, 2 very light, 3 light, 4 (1-2%), 5 (5%), 6 (10%), 7 (>25%), 8 (>50%).

#Growth stage, 9/26: R8.0, back of head yellow, bracts green; R9.0, bracts yellow/brown; R9.5, no yellow bracts; R10.0, heads dried down, bracts brown/black.

‡Typical 2014 market pricing for TX High Plains oilseed is HO @ \$22/cwt. & Nu @ \$20/cwt. with 2-for-1 pricing based on 40.0% oil.

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

#### Trial Notes:

Seasonal rainfall was 7" with sprinkler irrigation of ~9". Sunflower head moth control (Dupont Prevathon) was applied three times to blanket the bloom period. An adjacent confectionary sunflower hybrid trial yielded 2,213 lbs./A with an average crop value of \$707/acre.

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

**2012-2014 Irrigated Oilseed Sunflower Hybrid Trial  
Dalhart, Texas (Dallam Co.) & Etter, TX (Moore Co.)**

Planted June 23, harvested November 10, 2014.

Company or Brand	Hybrid	Hybrid Trait†	2014		2013-2014		2012-2014	
			%Oil Content	Yield (lbs./A)	%Oil Content	Yield (lbs./A)	%Oil Content	Yield (lbs./A)
Mycogen	8H412CPDM	HO, CP	40.5	2,186	41.3	2,059	41.6	2,171
Mycogen	8H449CLDM	HO, CL	43.4	2,492	43.9	2,198	44.1	2,331
Mycogen	8H570CL	HO, CL, SS	43.9	2,401				
Mycogen	8H859CL	HO, CL	39.5	2,474				
Mycogen	8N668S	Nu, SS	42.6	2,354				
Nuseed Global	Camaro II	Nu, CL	40.3	2,205	41.0	1,954	41.2	1,990
Nuseed Global	Cobalt II	HO, CL	38.0	2,069	38.9	1,790	39.2	1,739
Nuseed Global	Hornet	HO, CL	40.0	1,768	40.9	1,817		
Nuseed Global	NSK12MO54	HO, CL	40.6	2,583				
Syngenta	3875	HO	38.5	2,501				
Syngenta	3732NS	Nu	37.6	2,083				
Syngenta	7111HO	HO	33.1	1,315				
Syngenta	7120HO-CL	HO, CL	38.5	2,112				
Terral Seed	SF364	Nu, EX	39.4	2,451				
Terral Seed	SF385	HO, EX	39.3	2,179				
<b><i>Oilseed Multi-year Averages</i></b>			<b>39.7</b>	<b>2,211</b>	<b>41.6</b>	<b>1,994</b>	<b>41.5</b>	<b>2,058</b>

For further information about this test or the Texas A&M AgriLife Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing director, Texas A&M AgriLife Research, College Station, TX, (979) 845-8505, [croptest@tamu.edu](mailto:croptest@tamu.edu)

Please visit the Crop Testing webpage at <http://varietytesting.tamu.edu> for sunflower and other crop hybrid information.

For additional sunflower production resources for Texas contact Extension agronomist Dr. Calvin Trostle, Lubbock, Texas A&M AgriLife Extension Service, Lubbock, (806) 723-8432, [ctrostle@ag.tamu.edu](mailto:ctrostle@ag.tamu.edu), or visit <http://lubbock.tamu.edu/sunflower>