

Planted June 23, harvested November 12, 2014.

Company or Brand	Hybrid	Hybrid Trait†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Rust Rating &	Growth Stage #	Test Weight (lbs./bu)	%Seed Retained Over Screen		Yield @ 10% H2O (lbs./A)	2014 Crop Value (\$/Acre)‡
									>22/64"	>20/64"		
CHS	RH1130EX	EX	55	57	11,900	4.6	9.0	19.3	60.4	81.6	2,614	858
CHS	RH841		57	65	11,700	5.4	8.6	21.3	78.5	92.7	2,711	925
CHS	RH1121		57	57	10,600	4.5	8.9	21.4	67.2	83.8	2,862	946
CHS	RH400CL	CL	54	55	10,300	6.6	9.1	18.6	40.1	69.5	1,882	590
Mycogen	8C451CP	CP	60	57	10,700	4.8	9.1	20.3	38.9	68.0	2,606	810
Mycogen	NTC422§		55	63	10,700	6.4	9.5	18.6	49.6	72.4	2,148	682
Nuseed Global	5009		55	59	11,200	6.4	9.1	21.4	27.1	57.9	2,223	667
Nuseed Global	Jaguar II	CL	54	60	11,200	6.4	9.0	21.0	39.2	59.8	1,940	586
Nuseed Global	Jaguar XL	CL	56	63	9,800	6.0	8.9	20.9	10.7	29.6	1,947	520
Nuseed Global	NHW12759§		56	53	10,400	5.8	8.9	17.0	66.7	80.0	1,544	504
Nuseed Global	NHW12985§		56	65	11,600	6.4	8.6	18.4	72.3	82.2	2,098	689
Nuseed Global	Puma/X98578		58	59	11,400	6.4	9.4	19.5	70.5	85.1	2,036	677
Nuseed Global	X4334§	CL	57	61	10,200	6.5	8.9	21.1	42.2	68.9	2,364	740
Nuseed Global	X5323§	CL	55	65	11,500	6.5	8.8	18.4	73.6	85.9	1,877	624
Red River	2215		57	62	10,300	5.0	9.0	22.0	58.0	77.8	2,579	834
Red River	8015		56	56	9,200	2.0	9.3	17.6	51.8	77.1	2,124	686
Red River	2215CL	CL	59	61	9,900	5.0	8.8	17.9	52.6	74.9	2,064	662
Red River	2217CP	CP	60	59	10,800	6.0	8.6	19.9	62.0	83.2	2,214	730
Confectionary Average			56	60	10,700	5.6	9.0	19.7	53.4	73.9	2,213	707

P-Value (Hybrid)	<0.0001	<0.0001	0.0103			0	<0.0001	<0.0001	0.0008	<0.0001
Fisher's Protected LSD (0.05)¶	2	5	1,400			2.3	11.4	10.5	322	110
Coefficient of Variation, CV (%)	3.7	7.3	10.3			10.4	35.9	21.1	17.8	20.2

†CL = Clearfield herbicide tolerant, CP = Clearfield Plus herbicide tolerant, EX = ExpressSun herbicide tolerant.

§Experimental hybrid.

&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.

‡Pricing for 2014 Texas High Plains confectionary at \$35/cwt. large seed (>20/64"), \$23/cwt. small seed.

¶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 oilseed sunflower hybrid trial yielded 2,211 lbs./A with an average crop value of \$471/acre.

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

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

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Company or Brand	Hybrid	Hybrid Trait†	2014		2013-2014		2012-2014	
			%Seed >20/64"	Yield (lbs./A)	%Seed >20/64"	Yield (lbs./A)	%Seed >20/64"	Yield (lbs./A)
CHS	12EXP01		81.6	2,614				
CHS	14EXP01		92.7	2,711				
CHS	RH1121		83.8	2,862				
CHS	RH400CL	CL	69.5	1,882				
Mycogen	8C451CP	CP	68.0	2,606	71.0	2,460	73.3	2,580
Mycogen	NTC422		72.4	2,148				
Nuseed Global	5009		57.9	2,223	64.6	2,341	63.2	2,528
Nuseed Global	Jaguar II	CL	59.8	1,940				
Nuseed Global	Jaguar XL	CL	29.6	1,947				
Nuseed Global	NHW12759		80.0	1,544				
Nuseed Global	NHW12985		82.2	2,098				
Nuseed Global	Puma/X98578		85.1	2,036	80.0	2,169		
Nuseed Global	X4334	CL	68.9	2,364	75.6	2,393		
Nuseed Global	X5323	CL	85.9	1,877				
Red River	2215		77.8	2,579	76.6	2,568	76.2	2,664
Red River	8015		77.1	2,124	82.1	2,269	84.1	2,358
Red River	2215CL	CL	74.9	2,064				
Red River	2217CP	CP	83.2	2,214	77.7	2,224	78.8	2,431
Confectionary Multi-year Averages			73.9	2,213	75.4	2,346	75.1	2,512

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
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, or visit <http://lubbock.tamu.edu/sunflower>