

2014 Irrigated Confectionary Sunflower Hybrid Trial  
Lubbock, Texas

Planted June 13, harvested October 20, 2014

Company or Brand	Hybrid	Hybrid Trait†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Lodging %	Test Weight (lbs./bu)	%Seed Retained Over Screen		Yield @ 10% H2O (lbs./A)	2014 Crop Value (\$/Acre)‡
								>22/64"	>20/64"		
CHS	RH1130EX	EX	56	56	13,900	13	18.7	43.4	75.5	941	304
CHS	RH841		57	58	13,900	11	18.7	82.0	94.8	1,146	394
CHS	RH1121		56	60	14,600	5	18.8	61.6	85.5	1,054	350
CHS	RH400CL	CL	52	47	11,900	9	19.2	41.9	74.2	1,147	366
Mycogen	8C451CP	CP	58	58	12,700	9	17.6	37.9	69.7	852	268
Mycogen	NTC422§		57	59	14,400	15	17.1	47.3	75.9	1,076	346
Nuseed Global	5009		56	52	15,400	10	18.4	52.5	76.7	1,437	464
Nuseed Global	Jaguar XL	CL	57	50	12,400	11	17.8	15.4	48.1	1,047	301
Nuseed Global	Jaguar II	CL	53	53	13,600	7	18.3	51.0	73.7	1,214	386
Nuseed Global	NHW12759§		54	48	12,400	11	17.2	67.3	81.0	1,081	354
Nuseed Global	NHW12985§		56	51	13,800	9	16.5	68.6	82.4	950	314
Nuseed Global	Puma/X98578		57	57	12,400	9	17.4	61.5	82.3	1,008	332
Nuseed Global	X4334§	CL	57	56	12,700	12	18.3	54.9	81.3	1,194	391
Red River	2215		57	57	11,000	10	18.9	45.1	76.2	984	317
Red River	8015		57	53	13,200	10	16.0	51.6	79.2	975	317
Red River	2215CL	CL	58	58	13,600	7	18.1	47.1	76.7	972	315
Nuseed Global	X5323§	CL	57	56	Poor stand establishment.						
Red River	2217CP	CP	58	56	Poor stand establishment.						
<b>Confectionary Multi-year Averages</b>			56	55	13,200	10	17.9	51.8	77.1	1,067	345

P-Value (Hybrid)	<0.0001	0	0.1732	0.7472	0.0280	<0.0001	<0.0001	0	0.0994
Fisher's Protected LSD (0.05)¶	2	6	NS	NS	1.8	14.7	10.1	NS	NS
Coefficient of Variation, CV (%)	3.4	9.3	14.9	57.2	7.8	33.5	14.6	21.7	22.9

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

§Experimental hybrid.

‡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 ~9" with 6" of irrigation. No irrigation availability at bloom hurt yields. Trial received 80 lbs. N/A. An adjacent oilseed trial (15 hybrids) harvested early due to increasing bird feeding (some plots not fully mature) yielded 1,431 lbs./A (36.0% oil), crop value \$281/A.

**Caution is advised in evaluating trial results for yield due to high variability (CV > 20%).**

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>