

Planted June 27, irrigated up July 1, harvested November 4, 2013.

Company or Brand	Hybrid	Hybrid Type†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Lodging %	Test Weight (lbs./bu)	%Seed Retained Over Screen		Yield @ 10% H2O (lbs./A)	2013 Crop Value (\$/Acre)‡	2012-2013 Avg.	
								>22/64"	>20/64"			%Seed >20/64"	Yield (lbs./A)
								Mycogen	8C451CP			CP	59
Nuseed Global	5009		55	59	10,300	4.6	22.5	44.8	71.4	2,459	836	65.9	2,681
Nuseed Global	NHW10403		54	66	12,700	4.6	21.8	34.7	64.1	2,197	725		
Nuseed Global	NHW11905		53	68	12,600	5.3	21.2	16.0	43.8	2,259	681		
Nuseed Global	NHW12703		57	71	11,300	4.7	22.3	5.5	23.1	2,260	615		
Nuseed Global	X4417		54	62	12,100	5.0	16.7	70.2	86.4	1,870	676	87.2	1,889
Nuseed Global	X98578		55	59	12,900	5.0	20.9	49.4	74.9	2,301	793		
Red River	2215		56	63	10,800	5.5	22.9	43.5	75.4	2,557	883	75.4	2,707
Red River	8015		56	60	12,200	5.6	18.3	67.6	87.2	2,413	874	87.6	2,474
Red River	2217CP	CP	59	66	12,700	5.3	20.1	39.2	72.2	2,235	762	76.6	2,539
Seeds 2000/Nuseed	Jaguar	CL	55	64	12,500	3.8	20.8	47.1	72.3	1,995	682		
Seeds 2000/Nuseed	NSK12M047		57	73	12,400	2.9	21.9	46.8	77.5	2,110	735		
Seeds 2000/Nuseed	NSK12M048		57	73	11,900	3.1	18.1	78.6	91.3	2,083	767		
Seeds 2000/Nuseed	X3939		55	72	12,800	5.4	22.1	10.1	34.0	2,272	653		
Seeds 2000/Nuseed	X4334	CL	57	68	11,700	7.5	20.9	60.2	82.2	2,422	860		
<b>Average</b>			56	66	12,100	4.8	20.7	43.6	68.6	2,250	756		

P-Value (Hybrid)	<0.0001	0	0.2672	0.8439	<0.0001	<0.0001	<0.0001	0	<0.0001
Fisher's Protected LSD (0.05)¶	1	9	NS	NS	0.8	9.4	7.9	276	96
Coefficient of Variation, CV (%)	3.3	10.7	12.0	55.1	8.8	49.2	29.1	10.8	13.4

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

‡Pricing for 2013 Texas High Plains at \$38/cwt. large seed (>20/64"), \$24/cwt. small seed.

¶Numbers in same column that vary by more than least significant difference (PLSD) are signif. different at 95% confidence level; NS, not significant.

**Trial Notes:**

Seasonal rainfall was 3.3" with furrow irrigation of 14". Sunflower head moth control (Dupont Prevathon + Syngenta Warrior T) was applied 3 times to blanket the bloom period. Warrior T was added in the 2nd & 3rd sprays due to the presence of head clipping weevil, for which yields were adjusted for missing heads (most plots ≤2; five plots 4 to 8 clipped heads). Most lodging due to soybean stem borer.

An adjacent oilseed sunflower hybrid trial yielded 1,794 lbs./A with an average crop value of \$472/acre.

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, dpietsch@ag.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) 746-6101, [ctrostle@ag.tamu.edu](mailto:ctrostle@ag.tamu.edu), or visit <http://lubbock.tamu.edu/sunflower>