

Planted March 7, 2014; harvested July 28, 2014.

Company or Brand	Company or Brand	Hybrid Type†	Days to Half Bloom	Relative Maturity 109 d§	Plant Height (in.)	Avg. Plants/acre	Lodging %	Test Weight (lbs./bu)	%Seed Retained Over Screen		Yield @ 10% H2O (lbs./A)	Crop Value \$/Acre‡	2013-2014 Avg.		2012-2014 Avg.	
									>22/64"	>20/64"			% >20/64"	Yield (lbs./A)	% >20/64"	Yield (lbs./A)
8C451CP	Mycogen	CP	93	7.4	79	17,800	0.7	18.7	34.1	69.4	2,330	599	58.6	2,247	61.6	2,288
NTC422	Mycogen		83	8.4	65	16,800	15.3	18.9	23.6	59.5	2,167	530				
5009	Nuseed Amer.		87	7.9	61	18,800	3.0	18.8	5.7	30.0	2,505	534	24.9	2,319	25.0	2,305
Jaguar	Nuseed Amer.	CL	87	7.9	62	16,500	6.6	20.7	31.1	64.9	1,870	470	66.8	1,938		
Jaguar XL	Nuseed Amer.	CL	90	7.4	76	16,900	0.8	19.5	0.7	10.2	1,898	363				
NHW11909	Nuseed Amer.		87	7.9	71	17,600	2.8	17.7	21.5	73.2	2,443	637	70.8	2,326		
NHW12759	Nuseed Amer.		88	7.8	67	17,400	2.1	17.0	37.9	73.7	1,587	415				
NHW12983	Nuseed Amer.		89	7.1	74	19,200	3.7	19.4	0.7	8.7	1,908	362				
NHW12984	Nuseed Amer.		88	7.3	70	10,500	0.0	19.5	18.7	56.9	1,872	452				
NHW12985	Nuseed Amer.		90	7.3	71	20,300	1.2	16.5	45.8	85.7	1,606	441				
NSK12M147	Nuseed Amer.	CL	90	7.6	71	18,300	0.8	19.6	0.5	11.2	2,019	388				
X5323	Nuseed Amer.	CL	88	7.6	75	18,200	7.6	17.1	52.3	79.6	1,692	454	82.5	1,836		
X5326	Nuseed Amer.	CL	93	7.0	83	19,900	1.9	21.2	17.3	62.0	2,057	511	60.9	2,131		
X5337	Nuseed Amer.	CL	93	7.0	81	18,300	1.4	19.8	0.8	10.9	1,940	374				
X98578	Nuseed Amer.		90	7.5	71	18,800	0.0	14.8	19.7	64.7	1,862	468	52.5	1,906		
9521	SunOpta		81	8.4	59	17,600	12.0	22.8	37.1	75.7	2,466	650				
EX-11CL	SunOpta	CL	91	7.0	74	16,900	2.4	19.6	64.6	89.6	2,063	575				
Average			88	7.2	71	17,635	3.7	18.9	24.2	54.5	2,017	484	59.6	2,100	43.3	2,296
Range--High			93	8.4	83	20,300	15.3	22.8	64.6	89.6	2,505	650				
Range--Low			81	7.0	59	10,500	0.0	14.8	0.5	8.7	1,587	362				

P-Value (Hybrid)	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fisher's Protected LSD (0.05)¶	1		6	2,600	5	1.8	9.9	11	290	77	
Coefficient of Variation, CV (%)	3.7		11.4	15.9	138	11.4	83	52.7	17.0	21.7	

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

§June 24. Sunflower growth stages as described at <http://www.sunflowernsa.com/growers/growth-stages/> ranging from R6 (flowering complete, ray petals wilting) to R9 (bracts yellow & brown; physiological maturity).

‡Pricing 2014 for Central Texas confectionary is \$29/cwt. for seed >20/64", and \$18/cwt. for seed <20/64".

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

Trial Notes:

Excellent trial under rainfed conditions. Bloom dates were 10-14 days longer than expected for Central Texas sunflower likely due to early season conditions that include cooler weather and more cloudy conditions. Sunflower head moth control was good using Prevathon (two sprays).

An adjacent oilseed hybrid trial (13 hybrids) yielded 2,215 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, or visit <http://lubbock.tamu.edu/sunflower>