



**2012 Confectionary Sunflower Hybrid Trial
Etter, Texas (Moore Co.)**



Planted July 2, 2012; harvested November 14, 2012.

Company or Brand	Hybrid	Hybrid Type†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Lodging %	%Seed Retained Over Screen		Test Weight (lbs./bu)	Yield @ 10% H2O (lbs./A)	2012 Crop Value (\$/Acre)‡
							>22/64"	>20/64"			
NuSeed	5009		52	55	13,700	5	32.1	60.5	21.4	2,903	921
NuSeed	NHW11901		49	54	11,300	14	16.0	49.9	21.1	2,277	695
NuSeed	NHW11903		51	56	10,700	12	39.7	71.0	20.9	2,414	792
NuSeed	NHW11909		51	56	11,500	11	50.3	77.7	19.5	2,545	853
NuSeed	NHW11914		53	61	11,900	6	47.1	75.2	19.8	2,519	839
NuSeed	NHW11931		51	57	11,800	10	19.6	40.7	21.2	2,531	747
NuSeed	NHW11933		51	63	13,000	8	38.5	68.5	20.5	2,589	843
NuSeed	NHW11936		52	55	12,000	7	71.5	85.3	19.6	2,575	885
NuSeed	NHW11944		51	59	13,900	4	25.5	54.7	20.2	2,443	758
NuSeed	X4417		51	55	12,100	1	74.8	88.0	15.2	1,909	662
Mycogen	8C451CP	CP	56	64	15,500	2	45.0	77.8	19.4	2,821	946
Triumph	770 CL	CL	57	64	15,100	3	80.4	92.1	20.3	2,631	924
Triumph	755 C		56	70	14,200	7	61.3	82.4	18.7	2,332	795
Triumph	751 C		56	59	12,400	3	75.5	88.7	19.7	2,857	993
CHS	RH1121		55	63	14,200	3	77.1	90.5	20.6	3,023	1057
Red River	2215		55	61	12,500	2	50.3	75.4	21.2	2,857	953
Red River	2217		56	63	13,500	7	54.7	81.0	19.7	2,844	963
Red River	8015		55	58	13,400	6	72.1	88.0	17.2	2,535	880
Red River	2215CL	CL	57	64	13,900	2	50.3	76.9	21.0	2,936	982
Average			53	60	13,000	6	51.7	75.0	19.9	2,607	\$868

P-Value (Hybrid)	<0.0001	<0.0001	0.0109	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fisher's Protected LSD (0.05)¶	2	60	2,500	5	14.2	9.6	1.0	410	.143	
Coefficient of Variation, CV (%)	5.0	10.9	15.7	82	41.6	20.5	8.2	14.2	15.9	

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

‡Pricing for 2012 Texas High Plains at \$36/cwt. large seed (>20/64"), \$25/cwt. small seed.

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

Preliminary Trial Notes:

Drought severity at the test site was severe due to poor minimal rainfall and heat. Rainfall was 4.2" and furrow irrigation was 14".

Yields were good in spite of the drought. Lodging was due to the presence of *Dectes texanus*, the larvae of the longhorn beetle.

An adjacent oilseed sunflower hybrid trial yielded 2,365 lbs./A with an average crop value of \$645/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>