

2011 Confectionary Sunflower Hybrid Trial
Etter, Texas (Moore Co.)

Planted June 23, 2011; harvested October 21, 2011; June-September rainfall, 2.7"

Company or Brand	Hybrid	Hybrid Type	Days to Half Bloom	Plant Height (in.)	Avg. Plants/acre	Lodging %	Test Weight (lbs./bu)	%Seed Retained Over Screen		Yield @10% H2O (lbs./A)	Crop Value (\$/Acre)‡	2010-2011 Avg.		2009-2011 Avg.	
								>22/64"	>20/64"			%Seed >20/64"	Yield (lbs./A)	%Seed >20/64"	Yield (lbs./A)
CHS	RH 400CL	CL	58	56	16,400	5.7	19.1	50.2	84.5	1,660	\$ 533				
CHS	RH 402CL	CL	63	71	14,100	5.2	19.1	71.2	89.4	2,008	\$ 657				
Dahlgren	9530		59	65	15,900	9.5	20.8	65.6	88.7	2,598	\$ 848				
Dahlgren	9599		59	65	17,500	2.7	17.3	78.8	93.9	2,783	\$ 926				
Dahlgren	9530CL	CL	60	68	17,000	10.1	20.4	67.5	87.4	2,986	\$ 962				
Red River	2215		60	68	16,100	10.2	21.5	53.5	80.0	2,280	\$ 720	66.4	2,153	72.7	2,196
Red River	2217		60	66	17,100	12.4	19.6	57.7	81.2	2,514	\$ 798	78.8	2,252	76.8	2,204
Red River	8015		58	59	15,800	11.6	16.9	70.9	94.7	2,331	\$ 778	88.7	2,269		
Red River	2215 CL	CL	61	68	18,000	13.1	19.8	57.3	82.5	2,540	\$ 811	71.6	2,260		
Red River	EX 1512		60	72	14,200	3.1	19.9	44.9	74.6	2,680	\$ 829				
Triumph	770 CL	CL	60	66	16,100	4.6	19.3	84.8	94.5	2,202	\$ 734	91.8	2,110		
Triumph	777C		59	69	16,200	9.0	19.8	68.5	85.1	2,189	\$ 705				
Conventional (7 hybrids)			59	66	16,100	8.4	19.4	62.8	85.4	2,482	\$ 800				
Clearfield (CL; 5)			60	66	16,300	7.8	19.5	66.2	87.7	2,279	\$ 739				
Overall Average			60	66	16,200	8.1	19.4	64.2	86.4	2,398	\$ 778	79	2,209	75	2,200

P-Value (Hybrid)	<0.0001	<0.0001	0.0216	0.010	0.0006	<0.0001	0.0113	<0.0001	<0.0001
Fisher's LSD (0.05)¶	1	3.6	2,100	6.3	2.2	15.5	10.9	262	\$ 96
Coeff. of Variation, CV (%)	2.7	7.7	10.4	63.5	9.9	23.0	10.4	16.0	16.3

‡Average pricing for 2011 Texas High Plains at \$34/cwt. large seed (>20/64"), \$22/cwt. small seed.

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

Trial Notes: This trial was subject to high heat and record Texas Panhandle drought conditions in 2011. The test was irrigated heavily including pre-plant irrigation of ~7" (total irrigation ~27"). All lodging is attributed to soybean stem borer (*Decetes texanus*).

Trial was sprayed for sunflower head moth by air twice using Warrior.

An **adjacent oilseed** sunflower hybrid trial (28 hybrids) yielded 2,230 lbs./A (41.3% oil) with average crop value of \$640/acre.

For further info. about this test and for sunflower production resources for Texas contact Extension agronomist Dr. Calvin Trostle, Lubbock, (806) 746-6101, ctrostle@ag.tamu.edu, or visit <http://lubbock.tamu.edu/sunflower>

For further info. about the Texas AgriLife Research Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing Director, Texas AgriLife Research, College Station, TX, (979) 845-8505, dpietsch@ag.tamu.edu

Please visit the Crop Testing webpage at <http://varietytesting.tamu.edu>