

**2010 Confectionary Sunflower Hybrid Trial**  
**Etter, Moore County, Texas**

Planted June 29, 2010; harvested October 27, 2010; June-September rainfall, 12.3"

Company or Brand	Hybrid	Hybrid Type†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Test Weight (Lbs./bu)	%Seed Retained Over Screen		Seed Yield ,@10% H2O (Lbs./A)	Crop Value (\$/Acre)‡	Two-Year Average	
							>22/64"	>20/64"			>20/64" (%)	Yield (Lbs./A)
Croplan	CG 179		54	67	20,400	18.7	12.6	40.1	1,647	\$ 326	51.3	1,765
Mycogen	8C451		56	74	21,000	18.3	43.6	75.2	1,945	\$ 467		
Red River	2215		55	75	20,200	20.0	22.4	52.8	2,025	\$ 432	69.0	2,154
Red River	2215CL	CL	56	77	19,800	19.6	24.6	60.8	1,980	\$ 441		
Red River	2217		57	76	19,400	18.0	42.2	76.3	1,991	\$ 482	83.9	2,049
Red River	8015		57	72	20,400	17.2	51.0	82.7	2,207	\$ 550		
Seeds 2000	Jaguar	CL	54	67	20,000	19.0	42.4	69.9	2,323	\$ 543	80.6	2,170
Seeds 2000	Panther II		55	74	19,400	19.9	34.5	61.9	2,060	\$ 462	71.1	2,093
Triumph	768C		55	74	19,000	20.3	19.3	49.4	1,924	\$ 404		
Triumph	770CL	CL	56	79	20,400	19.9	68.1	89.0	2,017	\$ 518		
<b>Average</b>			55	73	20,000	19.1	36.1	65.8	2,012	\$ 463	71.2	2,046

P-Value (Hybrid)	0.0202	<0.0001	0.4865	<0.0001	<0.0001	<0.0001	0.0197	<0.0001
Fisher's Protected LSD (0.05)¶	1.7	4	NS§	0.8	11.5	8.1	303	\$ 76
Coefficient of Variation, CV (%)	2.5	6.1	6.2	5.7	48.5	23.8	12.5	17.2

†CL = Clearfield herbicide tolerant

§NS, not significant.

‡Average pricing for 2010 Texas High Plains at \$27/cwt. large seed (>20/64"), \$15/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:** The trial was planted in late June, delayed by ~6" of rainfall earlier in June. Stands were thinned by hand in mid-July although population should have been thinned another 2-4K per acre. Yields were comparable to 2009 but with lower % large seed. Trial received three 5" furrow irrigations. Confectionary seed size was highly variable among hybrids, and the effect of higher pricing of large seed had more influence on crop value than yield per acre. Head moth pressure was low to moderate; sprays (2) were effective.

An adjacent oilseed sunflower hybrid trial (26 hybrids) yielded 2,498 lbs./A (41.1% oil content) with an average crop value of \$396/acre.

For further info. about this test and 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>