

2010 Confectionary Sunflower Hybrid Trial  
Lubbock, Texas

Planted June 30, 2010; harvested October 8, 2010; June-September rainfall, 9.5"

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)‡
							>22/64"	>20/64"		
Red River	2215		52	68	18,800	23.0	28.5	58.2	2,169	\$ 477
Red River	2215CL	CL	54	71	20,800	22.8	30.4	61.8	2,366	\$ 533
Red River	2217		54	70	19,500	20.7	42.8	71.0	2,111	\$ 497
Red River	8015		54	68	19,400	18.5	47.5	74.6	1,865	\$ 447
Seeds 2000	Jaguar	CL	51	56	20,100	21.3	24.1	51.7	1,742	\$ 369
Seeds 2000	Panther II		53	63	18,900	22.1	39.0	64.7	1,981	\$ 451
Triumph	768C		55	74	19,300	22.1	30.4	58.5	2,056	\$ 453
Triumph	770CL	CL	56	75	23,300	22.1	63.9	82.3	1,848	\$ 459
Croplan	CG 179		52	63	20,500	21.9	11.6	33.2	1,933	\$ 367
<b>Average</b>			53	67	20,100	21.6	35.3	61.8	2,008	\$ 450

P-Value (Hybrid)	<0.0001	<0.0001	0.0919	<0.0001	<0.0001	<0.0001	<0.0001	0.0007	0.0017
Fisher's Protected LSD (0.05)¶	1.5	4	NS§	0.9	11.2	10.9	230	\$ 67	
Coefficient of Variation, CV (%)	3.1	9.7	9.8	6.2	42.3	22.9	11.3	14.5	

†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:** This trial was moved to a smaller test site after 2009 residual herbicide led to a poor stand in our mid-May planting (hence the two-row plots). About 6" of rainfall occurred on July 7-8 triggering excessive pigweed, which was hand weeded.

Trial received four 4" 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 moderate and sprays were effective.

An adjacent oilseed sunflower hybrid trial (22 hybrids) yielded 2,262 lbs./A (40.6% oil content) with an average crop value of \$354/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>