

2010 Confectionary Sunflower Hybrid Trial
Ellis Co., Texas (Bob & Steven Beakley Farm)

Planted April 1, 2010; harvested August 9, 2010; March-July rainfall, 12.0"

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"		
Dahlgren	9530		68	78	15,200	23.1	20.5	51.3	1,747	\$ 404
Dahlgren	9592		70	79	16,600	22.9	14.7	45.7	1,620	\$ 365
Dahlgren	9530CL	CL	67	76	15,900	23.5	24.2	55.6	1,758	\$ 415
Seeds 2000	Jaguar	CL	72	74	17,800	22.3	17.7	44.3	1,397	\$ 314
Seeds 2000	Panther II		71	75	15,200	23.7	5.3	27.1	1,328	\$ 276
Triumph	768C		71	76	16,100	23.6	3.0	15.9	1,223	\$ 240
Triumph	777C		71	80	15,600	22.8	18.2	47.3	1,746	\$ 397
Triumph	TRXCL 9350C	CL	72	83	12,700	22.7	27.4	61.1	1,553	\$ 374
Croplan Genetics	CG 179		67	67	17,600	22.4	4.4	20.0	1,513	\$ 303
Average			70	76	15,900	23.0	15.0	40.9	1,543	\$ 343

P-Value (Hybrid)	<0.0001	<0.0001	0.0256	NS §{0.08}	<0.0001	<0.0001	0.0011	<0.0001
Fisher's Protected LSD (0.05)¶	2.0	2.8	2,600	{1.0}	8.8	7.4	257	\$ 63
Coefficient of Variation, CV (%)	3.0	5.9	13.2	3.5	39.9	64.1	15.6	20.5

†CL = Clearfield herbicide tolerant

‡Pricing for 2010 Texas Blacklands at \$28/cwt. for large seed (>20/64"), \$18/cwt. for small seed. §NS, not significant at 95% confidence level.

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

Trial Notes: Early conditions were favorable as the season started with a full profile of moisture. Timely rains occurred in April and early May. No appreciable moisture was received at/after bloom (mid-June) thus limiting potential yield. Sunflower head moth control was poor, and the field was sprayed four times. Low gallonage per acre from the aerial applicator may have contributed to reduced moth control. Large seed size appears low and are being rechecked; the surrounding field was graded commercially at ~75% seed >20/64".

An adjacent oilseed sunflower hybrid trial (13 hybrids) yielded 1,478 lbs./A with an average crop value of \$262/acre.

For further info. about this test and 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>

For further 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>