

2010 Confectionary Sunflower Hybrid Trial Corpus Christi, Texas (Coastal Bend Region)

Planted March 9, 2010; harvested July 7, 2010; February-June rainfall, 14.75"

Company or Brand	Hybrid	Hybrid Type†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Lodging %	Test Weight (lbs./bu)	%Seed Retained Over Screen		Seed Yield ,@10% H2O (lbs./A)	Crop Value (\$/Acre)‡
								>22/64"	>20/64"		
Croplan	CG 179		68	55	11,000	4	21.3	13.0	42.4	1,407	\$ 309
Dahlgren	9530		70	54	10,300	7	24.7	25.1	56.6	1,381	\$ 304
Dahlgren	9592		69	56	10,600	10	22.7	31.3	64.2	1,651	\$ 363
Dahlgren	9530CL	CL	71	57	10,100	5	25.2	20.6	49.2	1,553	\$ 342
Seeds 2000	Jaguar	CL	72	54	10,400	3	22.8	25.9	58.8	1,582	\$ 348
Seeds 2000	Panther II		72	56	10,500	16	23.0	28.7	57.7	1,249	\$ 275
Triumph	768C		71	52	9,700	12	20.3	35.1	69.6	1,304	\$ 287
Triumph	777C		72	58	11,700	15	22.3	35.2	63.3	1,550	\$ 341
Average			70	55	10,600	9	22.8	26.9	57.7	1,460	\$ 321

P-Value (Hybrid)	<0.0001	0.4447	0.5616	0.0341	<0.0001	0.1365	0.0324	0.0123	0.0123
Fisher's Protected LSD (0.05)¶	1	NS§	NS	9	1.3	NS	15.2	228	\$ 50
Coefficient of Variation, CV (%)	2.4	6.6	12.8	74.2	7.6	44.2	21.0	14.1	14.0

†CL = Clearfield herbicide tolerant

§NS, not significant at 95% confidence level.

‡Pricing for 2010 Texas Coastal Bend at \$22/cwt. for all seed sizes. Other regions normally market sunflower seed in a two-tier pricing system, e.g. \$25/cwt for large seed (>20/64"), \$15/cwt. for small seed (equals \$22/cwt. at 70% large seed).

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

Trial Notes: Rainfall was above normal through planting then adequate through the cropping season except May. Soil moisture was near full capacity at planting and remained high through the season. Lodging (root upheaval, not stalk breakage) coincided with heavy rain, strong winds, and soft soils from Hurricane Alex on June 30-July 1 (>6" of rain) right before harvest. A plant was lodged if it fell well below the harvest height of a combine header or was on the ground. Plants/A was lower than the target of 13,800 plants/A due to small skips in stand.

An adjacent oilseed sunflower hybrid trial (10 hybrids) yielded 1,539 lbs./A with an average crop value of \$232/acre.

For further info about this test or sunflower production in South Texas consult Dr. Dan Fromme, Extension agronomist, Texas AgriLife Extension Service, Corpus Christi, (361) 265-9203, dfromme@ag.tamu.edu

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> for sunflower and other crop hybrid information.

For additional sunflower production resources for Texas contact Extension agronomist Dr. Calvin Trostle, Lubbock, Texas AgriLife Extension Service, Lubbock, (806) 746-6101, ctrostle@ag.tamu.edu, or visit <http://lubbock.tamu.edu/sunflower>