

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

Company or Brand	Hybrid	Oil Type†	Price per Cwt.‡	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Lodging %	Test Weight (lbs./bu)	Seed Yield @10% H2O (lbs./A)	% Oil Content¶	Oil Yield (lbs./A)	Crop Value (\$/Acre)
Croplan	369 DMR,NS	Nu	\$ 14.00	69	56	13,200	7	28.2	1,221	41.9	513	\$ 178
Croplan	378 DMR,NS	Nu	\$ 14.00	70	55	14,700	5	28.4	1,485	41.7	618	\$ 215
Croplan	460 E,NS	Nu, Ex	\$ 14.00	72	50	13,800	4	28.3	1,297	42.7	555	\$ 192
Seeds 2000	Blazer CL	Nu, CL	\$ 14.00	72	51	15,000	3	28.9	1,380	43.9	606	\$ 208
Seeds 2000	Firebird Ex	Nu, Ex	\$ 14.00	72	45	13,400	0	25.9	1,601	37.3	597	\$ 212
Seeds 2000	Sierra	HO	\$ 15.25	70	49	12,100	4	26.9	1,579	40.7	642	\$ 244
Triumph	664	Nu	\$ 14.00	72	53	12,200	6	29.1	1,385	43.5	602	\$ 207
Triumph	s668	Nu, SS	\$ 14.00	71	34	15,100	0	31.1	2,073	46.4	964	\$ 328
Triumph	s673 (TRXs8420)	Nu, SS	\$ 14.00	72	36	13,900	0	29.6	1,904	45.5	868	\$ 296
Triumph	s878H	HO, SS	\$ 15.25	69	42	14,000	5	30.1	1,465	44.0	645	\$ 241
Average				71	47	13,700	3	28.6	1,539	42.8	661	\$ 232

P-Value (Hybrid)	<0.0001	<0.0001	0.0054	0.0812	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fisher's Protected LSD (0.05)§	1	3	1600	NS	1.5	252	1.5	113	\$ 45	
Coefficient of Variation, CV (%)	2.0	16.4	10.4	120	6.0	20.2&	6.2	23.8	23.7	

†Nu = NuSun mid-oleic, HO = high oleic, CL = Clearfield herbicide tolerant, Ex = Express herbicide tolerant, SS = short stature

‡Typical pricing in 2010 for South Texas; high oleic (HO) often \$1.00-1.50/cwt. higher.

¶Oilseed--2:1 premium/discount vs. 40% oil.

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

&High CV is due in part to wide range of yields in this trial, not necessarily within-hybrid variability; see accompanying trial discussion.

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 Hurricane Alex on June 30-July 1 (>6" of rain) right before harvest. Plants/A was below target 17,200 plants/A due to small skips.

An adjacent confectionary sunflower hybrid trial (8 hybrids) yielded 1,460 lbs./A with an average crop value of \$321/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>