

## 2011 Oilseed Sunflower Hybrid Trial Corpus Christi, Texas (Coastal Bend Region)

Planted March 1, 2011 on limited moisture; harvested June 23, 2010; January-June rainfall, 6.4".

Company or Brand	Hybrid	Oil Type†	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)
Seeds 2000	Torino	Nu, CL	78	50	16,300	34	35.2	1,612	44.8	721	503
Seeds 2000	Durango	Nu, EX	81	46	16,800	1	32.6	1,593	44.0	701	491
Seeds 2000	Daytona	HO, CL	77	51	18,000	14	34.8	1,707	43.2	738	518
Syngenta	3845 HO	HO	73	45	15,800	10	32.4	1,515	46.4	705	488
Syngenta	4596 HO/DM	HO	73	53	19,500	4	35.3	1,710	45.5	778	541
Syngenta	4651 NS/DM	Nu	74	50	16,300	16	32.2	1,538	44.2	682	476
Syngenta	3875 NS	Nu	73	46	16,800	25	32.7	1,878	44.1	829	580
Triumph Seed	s668	Nu, SS	81	37	16,900	6	32.8	1,607	45.4	728	506
Triumph Seed	s870HCL	HO, SS, CL	81	34	14,000	0	32.5	1,413	46.4	657	455
Triumph Seed	859HCL	HO, CL	82	50	16,800	2	30.4	1,065	40.3	430	306
Dahlgren	4421	Nu	67	44	17,100	9	30.3	1,645	41.5	679	481
<b>Average</b>			76	46	16,800	11	32.8	1,571	44.2	695	486

P-Value (Hybrid)	<0.0001	<0.0001	0.0942	<0.0001	<0.0001	0.0184	<0.0001	0.0111	0.0124
Fisher's Protected LSD (0.05)¶	4	4	NS¶	12.3	0.8	343	1.7	161	111
Coefficient of Variation, CV (%)	13.9	6.6	12.8	116	5.5	18.2	4.8	19.2	19.0

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

‡Typical market pricing in 2011 for Texas Coastal Bend oilseed is \$28.50/cwt., with 2-for-1 pricing based on oilseed content at 40.0% oil.

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

**Trial Notes:** Soil moisture was scarce at planting time, and the trial was planted on ~0.5" of late February rain, which led to some spotty emergence. This led to a wider range of bloom than normal, which is an issue with targeting sunflower head moth sprays (six sprays here). The target date for planting was about 2 weeks earlier than achieved.

An adjacent confectionary sunflower hybrid trial yielded 1,147 lbs./A with an average crop value of \$349/acre.

For further information about this test or the Texas AgriLife 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>