

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

Company or Brand	Hybrid	Oil Type†	Price per Cwt.‡	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Test Weight (lbs./bu)	Seed Yield @10% H ₂ O (lbs./A)	% Oil Content¶	Oil Yield (lbs./A)	Crop Value (\$/Acre)
Advanta	AP462	Nu	\$ 16.75	74	74	19,900	31.7	1,448	42.8	619	\$ 256
Advanta	F30008	Nu, CL	\$ 16.75	73	68	18,400	28.7	1,665	40.0	665	\$ 279
Advanta	F30294	Nu	\$ 16.75	77	78	20,400	29.1	1,565	39.3	615	\$ 259
Advanta	F51137	NS, CL	\$ 16.75	74	67	20,100	29.1	1,699	43.3	737	\$ 304
Seeds 2000	Blazer CL	Nu, CL	\$ 16.75	75	73	20,100	31.7	1,622	44.4	721	\$ 296
Seeds 2000	Firebird Ex	Nu, Ex	\$ 16.75	76	68	21,300	28.2	1,419	39.6	562	\$ 236
Seeds 2000	Sierra	HO	\$ 18.25	76	71	20,300	27.7	1,540	39.9	614	\$ 280
Seeds 2000	X9464CL	HO, CL	\$ 18.25	76	70	18,900	28.6	1,074	40.8	440	\$ 200
Triumph	664	Nu	\$ 16.75	73	78	18,400	31.3	1,895	45.2	857	\$ 351
Triumph	s668	Nu, SS	\$ 16.75	74	55	20,600	31.4	1,444	44.9	648	\$ 265
Triumph	s673 (TRXs8420)	Nu, SS	\$ 16.75	75	56	19,900	27.5	1,074	43.2	466	\$ 192
Croplan Genetics	CG 378 DMR NS	Nu	\$ 16.75	74	79	20,300	28.8	1,508	43.0	648	\$ 268
Croplan Genetics	CG 460E NS	Nu, Ex	\$ 16.75	76	74	20,100	28.3	1,263	41.6	524	\$ 218
Average				75	70	19,900	29.4	1,478	42.1	624	\$ 262

P-Value (Hybrid)	<0.0001	<0.0001	0.7914	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fisher's Protected LSD (0.05)§	0.9	3.3	3,000	1.3	231	1.7	108	\$ 45	
Coefficient of Variation, CV (%)	2.0	10.7	9.8	5.9	18.4	5.4	20.5	19.4	

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

‡Typical market pricing in 2010 for Central 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.

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 aerial applicator may have contributed to reduced moth control.

An adjacent confectionary sunflower hybrid trial (9 hybrids) yielded 1,543 lbs./A with an average crop value of \$343/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>