

Planted June 27, 2012; harvested November 2, 2012.

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	Cobalt II	HO, CL	49	44	13,400	L e s s t h a n a 1% f o r	32.7	1,347	39.9	539	364
Seeds 2000	Daytona CL	HO, CL	50	45	13,200		32.0	1,590	39.5	625	424
Seeds 2000	Durango SU	NS, EX	53	42	13,200		31.9	2,050	37.5	768	525
Seeds 2000	Sierra	HO	52	48	13,400		29.0	2,252	38.0	860	586
Seeds 2000	Torino CL	NS, CL	51	53	12,300		34.0	1,864	39.7	740	500
Seeds 2000	X6814 CL, DMR	HO, CL	50	48	13,500		32.2	1,859	37.6	699	478
Seeds 2000	Camaro II	NS, CL	51	55	13,600		33.2	2,162	39.3	850	576
Syngenta	3158 NS/CL/DM	NS, CL	49	47	12,600		31.4	1,893	38.2	724	493
Syngenta	3733 NS/DM	NS	50	47	12,800		32.0	2,493	39.5	984	666
Syngenta	3845HO	HO	50	48	12,000		31.0	2,204	38.0	839	572
Triumph	651CLD (TRX1262C	NS, CL	51	51	15,300		31.5	2,094	40.9	856	575
Triumph	660CL	NS, CL	52	55	14,000		32.0	2,148	39.5	849	574
Triumph	662 (TRX1261)	NS	50	47	15,400		30.5	2,063	37.5	773	529
Triumph	849CLD	HO, CL	51	45	12,900		34.4	1,935	41.5	802	538
Triumph	s668	NS, SS	51	40	13,100		32.1	1,891	40.9	775	521
Triumph	s673	NS, SS	51	38	14,500		31.1	1,992	41.7	828	555
Triumph	s870CL	HO, SS, CL	53	38	12,800		31.5	2,216	41.3	915	614
Triumph	TRX11345CPD	NS, CP	50	50	13,800		30.4	2,377	42.1	1005	671
Triumph	TRX11431 HO	HO	51	39	15,300		32.7	2,107	41.3	870	584
Average			51	46	13,500			31.9	2,028	39.7	805

P-Value (Hybrid)	<0.0001	<0.0001	0.169		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fisher's Protected LSD (0.05)¶	1	3	NA		1.4	306	2.0	142	92
Coefficient of Variation, CV (%)	2.8	12.9	13.0		4.7	16.2	4.8	17.7	17.3

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

‡Typical market pricing in 2012 for Texas High Plains oilseed is \$27.00/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.

NS = not significant.

Trial Notes:

Drought severity at the test site was severe due to poor early season rainfall and heat, which may explain lower oil content. Rainfall was 5.7" and furrow irrigation was ~12". Oil content was lower than normally observed, but yields were good in spite of the drought.

For further information about this test or the Texas A&M AgriLife Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing director, Texas A&M 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 A&M AgriLife Extension Service, Lubbock, (806) 746-6101, ctrostle@ag.tamu.edu, or visit <http://lubbock.tamu.edu/sunflower>