TEXAS A&M AGRILIFE RESEARCH

2014 Irrigated Oilseed Sunflower Hybrid Trial
Lubbock, Texas

TEXAS A&M AGRILIFE EXTENSION

Planted June 13, harvested early due to increasing bird feeding September 18, 2014.

Company or Brand	Hybrid	Hybrid Trait†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/ acre	Early Harvest Maturity Rating§	Test Wt. (lbs./bu)	% Oil Content	Oil Yield (lbs./A)	Seed Yield ,@10% H2O (lbs./A)	Crop Value‡ ($/Acre)
Mycogen	8H412CPDM	HO, CP	57	57	13,900	1.6	27.8	37.1	463	1,249	259
Mycogen	8H449CLDM	HO, CL	54	49	15,500	0.4	28.4	36.4	661	1,805	370
Mycogen	8H570CL	HO, CL, SS	57	39	15,600	1.4	27.0	37.7	478	1,275	266
Mycogen	8H859CL	HO, CL	56	54	13,400	1.5	26.8	35.6	517	1,448	291
Mycogen	8N668S	Nu, SS	55	50	14,800	0.6	27.7	36.8	603	1,632	307
Nuseed	Camaro II	Nu, CL	55	55	15,700	2.5	30.3	37.2	650	1,743	330
Nuseed	Cobalt II	HO, CL	55	56	16,100	1.0	28.1	35.5	381	1,070	215
Nuseed	Hornet	HO, CL	58	58	15,300	2.5	29.3	36.6	451	1,228	253
Nuseed	NSK12MO54	HO, CL	57	53	14,500	1.8	29.0	36.7	676	1,812	377
Syngenta	3875	HO	54	50	16,800	1.0	29.5	34.8	479	1,367	246
Syngenta	3732NS	Nu	54	52	16,300	0.5	25.0	34.0	497	1,433	256
Syngenta	7111HO	HO	51	50	15,900	2.0	29.9	34.5	435	1,262	247
Syngenta	7120HO-CL	HO, CL	53	52	14,800	0.9	27.1	35.9	471	1,314	265
Terral Seed	REV SF364	Nu, EX	55	58	14,200	1.4	27.4	35.9	605	1,676	309
Terral Seed	REV SF385	HO, EX	55	60	14,100	2.2	28.9	35.2	403	1,150	228
	Oilseed Average		*55*	*53*	*15,100*		*28.1*	*36.0*	*518*	*1,431*	*281*
	P-Value (Hybrid)		<0.0001	<0.0001	0.2206		0.0019	0.1687	0.0221	0.0130	0.0371
	Fisher's Protected LSD (0.05)¶		2	4	NS		2.3	NS	184	447	97
	Coefficient of Variation, CV (%)		3.4	10.8	14.8		7.4	5.4	28.3	25.2	27.0

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

‡Typical 2014 market pricing for TX High Plains oilseed is HO @ $22/cwt. & Nu @ $20/cwt. with 2-for-1 pricing based on 40.0% oil.

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

Trial Notes: Seasonal rainfall was ~9" with 6" of irrigation. No irrigation availability at bloom hurt yields. Trial received 80 lbs. N/A. An adjacent confectionary trial (16 hybrids) yielded 1,067 lbs./A (77.1% seed >20/64") and crop value $345/A.

Caution is advised in evaluating trial results for yield due to high variability (CV > 20%).

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, croptest@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) 723-8432, ctrostle@ag.tamu.edu, or visit http://lubbock.tamu.edu/sunflower