

**2015 Irrigated Confectionary Sunflower Hybrid Trial
 Lubbock, Texas**

Planted June 23, harvested November 11, 2015.

CONFECTIONARY			Half-Bloom (days)	Plant Height (in.)	Plants per Acre	Lodging %	Test Wt. (Lbs./bu)	Confectionary		Yield (lbs./A) (10% H2O)	Crop Value w/ Seed Size \$/A‡
Company or Brand	Hybrid	Hybrid Trait†						Seed % >22/64"	Seed % >20/64"		
Nuseed	5009		50	55	11,200	6	21.3	32.0	70.5	2,329	566
Nuseed	NDK12M147§		54	61	10,900	2	18.3	42.5	72.1	2,042	494
Red River	2215		54	61	10,600	0	22.0	73.4	93.8	2,557	674
Red River	2215CL	CL	53	62	11,600	0	21.1	77.9	94.6	2,336	618
Red River	2217CP	CP	54	62	11,700	4	18.3	87.6	95.9	2,240	591
Red River	8015	Large seed	52	53	11,200	0	16.5	88.8	96.0	2,409	641
Confectionary Average			53	59	11,200	2	19.6	67.0	87.1	2,319	\$597

P-value (4 reps.)	0.0001	0.0002	0.9720	0.0588	<0.0001	<0.0001	<0.0001	0.3427	0.1270
Fisher's Protected Least Sig. Diff.¶	1	4	NS	5	0.8	17.4	11.2	NS	NS
Coefficient. of Variation, %CV	2.9	8.8	15.9	191	10.7	37.7	15.5	13.3	16.0

†Hybrid traits: CL, Clearfield herbicide tolerance; CP, Clearfield Plus herbicide tolerance.

‡2015 Texas High Plains confectionary @ \$27/17 per cwt. for seed based on above/below 20/64".

§Experimental hybrid.

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

2015 Trial Notes:

Seasonal rainfall was ~12" with furrow irrigation of ~5" with deep soil moisture at planting. Sunflower head moth control (Dupont Prevathon) was applied twice within the plots with a backpack sprayer. Trial received ~80 lbs. N/acre.

An adjacent AgriLife Crop Testing Program oilseed sunflower test (13 entries) yielded 1,970 lbs./A with 37.1% oil content and average crop value \$383/A.

Trial conducted by Dr. Calvin Trostle, Extension Agronomy, Lubbock, (806) 723-8432, ctrostle@ag.tamu.edu



**2012-2013 & 2015 Irrigated Confectionary Sunflower
Hybrid Trial
Lubbock, Texas**



CONFECTIONARY			2015		2013, 2015 [†]		2012-2013, 2015	
Company or Brand	Hybrid	Hybrid Trait [†]	%Seed >20/64"	Yield (lbs./A)	%Seed >20/64"	Yield (lbs./A)	%Seed >20/64"	Yield (lbs./A)
Nuseed	5009		70.5	2,329				
Nuseed	NDK12M147§		72.1	2,042				
Red River	2215		93.8	2,557	90.5	1,994	87.0	1,943
Red River	2215CL	CL	94.6	2,336				
Red River	2217CP	CP	95.9	2,240	82.5	2,017	86.7	1,679
Red River	8015	Large seed	96.0	2,409	95.0	1,552	93.0	1,579
Confectionary Average			87.1	2,319	89.3	1,854	88.9	1,734

[†]The 2014 Lubbock confectionary trial results are not included in multi-year averages due to variability and low yields in part due to unavailable irrigation water after initial bloom.

§Experimental hybrid.

For further information about this test contact Extension agronomist Dr. Calvin Trostle, Texas A&M AgriLife Extension, Lubbock, (806) 723-8432, ctrostle@ag.tamu.edu For Texas A&M AgriLife Crop Testing program info. contact Mr. Dennis Pietsch, Crop Testing director, Texas A&M AgriLife Research, College Station, (979) 845-8505, croptest@tamu.edu

For further information about sunflower in Texas contact Calvin Trostle, or visit our sunflower webpages at <http://lubbock.tamu.edu/sunflower>, or <http://varietytesting.tamu.edu/sunflower>