

2015 Irrigated Confectionary Sunflower Hybrid Trial
Dalhart, Texas (Dallam Co.)
 Meyer Farm (Page 1)

Planted June 26, harvested November 5, 2015.

CONFECTIONARY			Half-Bloom (days)	Plant Height (in.)	Plants per Acre	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		54	70	16,900	19.8	52.0	88.2	3,096	800
Nuseed	NDK12M147§		56	78	16,000	19.2	31.6	65.2	2,902	683
Red River	2215		55	74	17,200	19.1	79.6	93.3	3,621	954
Red River	2215CL	CL	56	77	16,700	19.7	77.8	92.8	2,956	776
Red River	2217CP	CP	57	75	16,700	18.9	73.8	90.8	2,945	768
Red River	8015	Large seed	54	72	17,100	17.3	85.8	95.3	3,350	889
Confectionary Average			56	74	16,800	19.0	66.8	87.6	3,145	\$812

P-value (4 reps.)	0.0007	0.0002	0.9523	0.0976	<0.0001	<0.0001	0.0107	0.0019
Fisher's Protected Least Sig. Diff.¶	1	3	2,800	NS	12	4.7	405	\$112
Coefficient. of Variation, %CV	2.5	4.3	11.0	7.2	30.7	12.3	11.4	13.7

†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:

Pre-plant (from May 1) and in-season rainfall ~15" with sprinkler irrigation of ~6" (deep soil moisture at planting). Sunflower head moth control (Dupont Prevathon) applied twice with a backpack sprayer & field received one additional overspray from the farmer's Prevathon application. Approximate N fertility of 90 lbs./A was applied. There were no visible yield limiting factors.

An adjacent AgriLife Crop Testing Program oilseed sunflower test (14 entries) yielded 2,530 lbs./A with 39.2% oil content and average crop value \$576/A.

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

2012-2015 Irrigated Confectionary Sunflower Hybrid Trial
Dalhart, Texas (Dallam Co.)

Meyer Farm (Page 2)

CONFECTIONARY			2015		2014-2015		2013-2015		2012-2015	
Company or Brand	Hybrid	Hybrid Trait†	%Seed >20/64"	Yield (lbs./A)	%Seed >20/64"	Yield (lbs./A)	%Seed >20/64"	Yield (lbs./A)	%Seed >20/64"	Yield (lbs./A)
Nuseed	5009		88.2	3,096	73.0	2,660	72.5	2,593	69.5	2,670
Nuseed	NDK12M147§		65.2	2,902						
Red River	2215		93.3	3,621	85.5	3,100	82.1	2,919	80.4	2,903
Red River	2215CL	CL	92.8	2,956	83.9	2,510				
Red River	2217CP	CP	90.8	2,945	87.0	2,579	82.0	2,464	81.8	2,559
Red River	8015	Large seed	95.3	3,350	86.2	2,737	86.5	2,629	86.9	2,606
Confectionary Average			87.6	3,145	83.1	2,717	80.8	2,651	79.7	2,685

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>