

Planted July 2, 2013; harvested October 29, 2013.

Company or Brand	Hybrid	Hybrid Type†	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Lodging %	Test Weight (lbs./bu)	%Seed Retained Over Screen		Yield @ 10% H2O (lbs./A)	2013 Crop Value (\$/Acre)‡	2012-2013 Avg.	
								>22/64"	>20/64"			%Seed >20/64"	Yield (lbs./A)
Red River	2215		57	58	12,800	2.6	19.4	69.2	90.5	1,994	732	87.0	1,943
Red River	8015		56	51	14,300	5.4	15.7	81.2	95.0	1,552	579	93.0	1,579
Red River	2217CP	CP	60	65	15,500	2.3	17.7	60.8	82.5	2,017	719	86.7	1,679
Seeds 2000/Nuseed	Jaguar	CL	57	53	13,700	3.4	17.9	67.0	85.0	1,621	582		
Seeds 2000/Nuseed	NSK12M047		58	65	16,800	4.9	18.2	67.5	87.6	1,927	699		
Seeds 2000/Nuseed	NSK12M048		55	62	14,000	1.9	15.6	93.1	97.9	1,698	640		
Seeds 2000/Nuseed	X3939		57	56	16,900	5.5	19.2	8.2	32.3	1,582	452		
Seeds 2000/Nuseed	X4334	CL	56	50	13,600	4.5	16.9	67.2	88.5	1,487	541		
Triumph	751CP	CP	60	60	13,300	2.8	17.6	69.3	83.9	1,767	627	89.1	1,505
Triumph	755C		57	62	14,300	8.5	16.8	55.6	81.3	1,422	505	82.6	1,408
Triumph	770 CL	CL	58	61	15,900	4.9	18.1	74.1	89.7	1,826	668	91.0	1,615
Triumph	TRX 3412C		58	56	15,600	10.2	17.4	58.2	78.7	1,785	626		
Average			54	58	14,700	4.7	17.5	64.3	82.7	1,723	614		

P-Value (Hybrid)	<0.0001	<0.0001	0.0093	0.0014	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Fisher's Protected LSD (0.05)¶	1	4	2,400	3.7	0.7	14.3	8.3	219	85		
Coefficient of Variation, CV (%)	2.8	9.6	13.3	72.8	6.9	34.7	21.0	14.1	16.9		

†CL = Clearfield herbicide tolerant, CP = Clearfield Plus herbicide tolerant.

‡Pricing for 2013 Texas High Plains at \$38/cwt. large seed (>20/64"), \$24/cwt. small seed.

¶Numbers in same column that vary by more than least significant difference (PLSD) are signif. different at 95% confidence level; NS, not significant.

Trial Notes:

Seasonal rainfall was 5.1" with furrow irrigation of 12". Sunflower head moth control (Dupont Prevathon + Syngenta Warrior T) was applied 3 times to blanket the bloom period. Warrior T was added due to the presence of head clipping weevil, for which yields were adjusted for missing heads (in a few cases up to four heads per plot). Later season irrigation was reduced (one furrow irrigation) due to lack of water.

Due to initial stand concerns, the trial was replanted July 17 (population similar, 55.7% of seed >20/64", yield = 1.158 lbs./A).

An adjacent oilseed sunflower hybrid trial yielded 1,468 lbs./A with an average crop value of \$361/acre.

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>