

Texas & New Mexico High Plains Dryland Grain Sorghum Hybrid Trial, 2012-2014.

Only entries that were included in 2014 are reported.

Compiled by Calvin Trostle, Texas A&M AgriLife, Lubbock, ctrostle@ag.tamu.edu & Dennis Pietsch, Texas A&M AgriLife Crop Testing



	2014		2013			2012
	Lubbock	Clovis	Lubbock	Perryton	Clovis	Clovis
Pre-irrigated for stand establish?	Yes	No	Yes		Yes	Yes
Seding Rate (Lbs./A)	26,000	29,000	26,000		29,000	29,000
Planting Date	6/19	6/20	6/21		6/19	6/11
Harvest Date	10/24	1/0	10/18		10/24	11/2
Average Days to Half Bloom	53		62			
Average Days to Heading		67			61	62
Number of Entries	29	29	19	19	19	27

For further information about the Texas A&M AgriLife Research Crop Testing Program, contact Dennis Pietsch, director, College Station, (979) 845-8505, dpietsch@ag.tamu.edu

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To review other regional results from the Crop Testing Program, visit on-line at <http://varietytesting.tamu.edu>

Trial Comments:

Thanks to the Texas Sorghum Producers (<http://www.texassorghum.org>) for supporting a portion of this work

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Hybrid	Company or Brand Name	Maturity Class	2014				2013				2012				2014 Avg.		2013-2014 Avg.		2012-2014 Avg.	
			Lubbock		Clovis		Lubbock		Perryton		Clovis		Clovis		2014 Avg.		2013-2014 Avg.		2012-2014 Avg.	
			Yield lb/A	Test Wt. lb/bu	Yield lb/A	Test Wt. lb/bu	Yield lb/A	Test Wt. lb/bu	Yield lb/A	Test Wt. lb/bu	Yield lb/A	Test Wt. lb/bu	Yield lb/A	Test Wt. lb/bu	Yield lb/A	Test Wt. lb/bu	Yield lb/A	Test Wt. lb/bu	Yield lb/A	Test Wt. lb/bu
REV® RV9782™	Terral Seed	ML	2,170	57.7	2,714	54.3	1,163	60.5	2,716	59.6	4,036	53.2	4,180	59.1	2,442	56.0	2,540	56.9	3,087	57.6
ATx2752 x RTx430	TX A&M AgriL	ML	2,216	56.5	696	53.3	1,261	58.8	2,388	59.1	2,858	50.0	4,839	54.7	1,456	54.9	1,812	55.4	2,821	55.2
DKS37-07	Monsanto Co.	ME	1,655	54.9	2,374	50.7	987	60.6	2,069	56.8	3,441	50.7	4,233	58.9	2,015	52.8	2,090	54.4	2,804	55.9
DKS44-20	Monsanto Co.	M	1,656	56.3	1,647	55.5	1,307	60.5	2,771	59.8	3,844	53.9	3,921	60.0	1,652	55.9	2,146	57.0	2,738	58.0
REV® RV9562™	Terral Seed	ME	1,671	56.9	1,307	53.5	948	59.6	2,602	60.2	3,821	53.0	4,056	59.7	1,489	55.2	1,973	56.4	2,667	57.5
DKS29-28	Monsanto Co.	E	1,729	54.7	2,315	55.9	1,013	59.3	2,341	56.6	3,405	53.3	3,144	58.5	2,022	55.3	2,137	55.8	2,473	56.7
DKS28-05	Monsanto Co.	E	1,697	54.1	1,298	47.7	979	59.7	1,998	55.5	2,756	54.4	3,297	58.3	1,498	50.9	1,704	53.7	2,235	55.2
NK7633	Chromatin	ML	2,090	57.0	1,773	54.8	1,447	60.1	3,044	55.5	3,836	51.1			1,931	55.9	2,354	55.7		
Alta AG1203	Alta Seeds	E	1,501	55.7	2,294	56.2	1,427	60.9	2,774	60.7	3,649	53.5			1,898	55.9	2,257	57.2		
Alta AG2115	Alta Seeds	M	1,885	54.0	1,739	55.1	907	59.2	2,991	59.4	4,075	54.5			1,812	54.5	2,235	56.1		
SP6929	Chromatin	ML	1,844	56.9	2,280	53.9	1,415	60.6	2,508	59.3	3,255	53.9			2,062	55.4	2,227	56.7		
NK5418	Chromatin	M	1,803	55.2	1,958	54.4	943	59.5	2,435	57.9	3,630	50.4			1,881	54.8	2,108	55.4		
Alta AG2105	Alta Seeds	M	1,890	56.3	1,033	50.8	1,205	55.6	2,654	60.5	3,359	54.1			1,462	53.5	1,934	55.1		
SP3425	Chromatin	ME	1,384	55.0	1,905	55.6	899	60.5	2,543	56.8	3,079	52.1			1,645	55.3	1,909	55.9		
DKS41-50	Monsanto Co.	M	2,145	57.7	2,544	54.2									2,345	55.9				
ATx378 x RTx430	TX A&M AgriL	ML	1,789	55.2	2,314	48.7			2,597	58.0	1,483	41.2	3,265	58.3	2,052	51.9				
Alta AG1301	Alta Seeds	ME	1,944	54.8	2,137	53.9									2,041	54.4				
Lighting	Armor Seed	E	1,875	55.0	1,932	55.4									1,903	55.2				
Alta AG1201	Advanta US	E	1,535	53.9	2,090	53.7									1,813	53.8				
XG02008	Advanta Res.	ME	1,720	55.2	1,842	54.6									1,781	54.9				
Outlaw	Armor Seed	ML	1,715	55.7	1,691	53.2									1,703	54.5				
1G557	Mycogen	E	1,343	50.8	1,990	55.8									1,666	53.3				
Alta AG1101	Alta Seeds	E	1,140	52.7	1,927	49.3									1,534	51.0				
ATx631 x RTx436	TX A&M AgriL	ML	1,605	55.0	1,442	50.5							3,495	56.8	1,524	52.8				
XG30001	Advanta Res	M	1,852	54.8	1,122	52.1									1,487	53.5				
1G688	Mycogen	M	1,784	56.2	1,185	51.7									1,485	54.0				
Maverick	Armor Seed	M	1,966	57.6	872	51.4									1,419	54.5				
XG30002	Advanta Res	M	1,821	55.1	709	54.0									1,265	54.5				
XG30003	Advanta Res	M	1,829	57.4	403	50.2									1,116	53.8				
AVERAGE (all hybrid from site)			1,767	55.5	1,708	53.1	1,129	59.7	2,575	58.2	3,420	51.7	3,968	57.6	1,738	54.3	2,056	55.4	2,693	56.1
Least Significant Difference (LSD)†					691	NS	251	2			811	2.6	564	2.1						
Coefficient of Variation (%CV)			18.4	2	24.7	6.0	16.1	1.9			14.3	14.3	8.7	2.2						
F (Probability)			0.0036	<0.0001	<0.0001	0.0643					<0.0001	<0.0001	<0.0001	<0.0001						

(1) Maturity class designated by respective seed companies: E=Early, M=Medium, ML=Medium Late, L=Late. (*) indicates no designation provided. Bloom date or heading date is recorded at all sites. Each hybrid may bloom differently depending on environment. It is not uncommon to observe changes with an individual site where one company's medium might actually flower sooner than a medium early. Occasionally Texas AgriLife notes maturity regional variation that would designate a hybrid differently (ME, M, ML) than company data.

(4) Yields corrected to 14% moisture

†Means that differ by more than the LSD are not significantly different at the 95% confidence level. NS= not significant.