

Key Comparison of Texas High Plains Irrigated Grain Sorghum Hybrid Performance, 2009-2013

Data from Texas A&M AgriLife Research Crop Testing Program, Dennis Pietsch, Director

<http://varietytesting.tamu.edu/grainsorghum/>

(Older data is in the Archive)

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Perryton		Maturity	Hybrid Rank of Relative Yields					Hybrid Yields (Lbs./A)				
			2013	2012	2011	2010	2009	2013	2012	2011	2010	2009
Dekalb 53-67	ML					2						10,456
Pioneer 84P80	ML	4	17					4,682				
Pioneer 84G62	ML		21			3		4,427				10,433
Dekalb 49-45	M			15						7,036		
Pioneer 85Y40	M		2	12		12	10,268	6,215	7,292			9,658
Total # of entered hybrids		35	22	19		20	8,887	5,133	7,754			9,721
Hereford												
Dekalb 53-67	ML	1	2	14		11	9,072	8,482	6,967			7,356
Pioneer 84P80	ML	3	4	1			9,018	7,953	6,489			
Pioneer 84G62	ML	7	3	2		8	8,326	8,035	6,391			7,410
Dekalb 49-45	M	4	1	5			8,835	9,263	5,766			
Pioneer 85Y40	M	8	19	9		7	8,201	6,529	5,172			7,421
Total # of entered hybrids		32	20	18		15	7,551	7,374	5,011			7,417
Lubbock												
Dekalb 53-67	ML	15	6	6	1		5,873	4,964	5,404	6,598		
Pioneer 84P80	ML	5	17	1			6,429	3,924	6,657			
Pioneer 84G62	ML	2	8	3	2	1	6,759	4,927	5,824	6,479	7,355	
Dekalb 49-45	M	13	2		8		6,006			5,424		
Pioneer 85Y40	M	8	7	2	5	2	6,186	4,955	5,936	5,802	6,967	
Total # of entered hybrids		27	20	20	15	18	5,701	4,659	4,906	5,473		6,088



<u>Key Direct Comparisons</u>	<u>Maturity</u>	<u>Sites</u>	<u>Yields (Lbs./A)</u>	<u>Percent Advantage</u>	<u>Percent Advantage over Trial Average</u>	
Pioneer 84G62	ML	11	6,942	4.6%	10.6%	
Pioneer 85Y40	M		6,640			
<i>Trial Average</i>			6,276			
Dekalb DKS 49-45	M	6	7,055	8.0%	8.9%	1 of 6 sites (Hereford, 2012) accounts for all of difference.
Pioneer 85Y40	M		6,530			
<i>Trial Average</i>			6,477			
Pioneer 84G62	ML	5	7,198	2.0%	15.7%	
Dekalb DKS 49-45	M		7,059			
<i>Trial Average</i>			6,222			
Dekalb DKS 53-67	ML	9	7,241	0.9%	12.7%	
Pioneer 84G62	ML		7,176			
<i>Trial Average</i>			6,424			
Pioneer 84P80	ML	7	6,450	1.0%	11.9%	
Pioneer 84G62	ML		6,384			
<i>Trial Average</i>			5,762			

How to use this chart: I have selected the sites within the past five years where each of these pairs of hybrids were in the same trial. Then calculated the numerical average. Technically, I should calculate the yield of each of the these hybrids above the trial average where I have removed that hybrid(s) from the trial average and recalculated, but that is cumbersome, so perhaps in the next edition of this chart. It would increase the % advantage of these hybrids over the trial average by another 1-2%.