

Irrigated Grain Sorghum Performance Test

Doug Wilde Farm, 2013

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Summary:

Ten sorghum hybrids were compared under similar growing conditions to determine which sorghum hybrids consistently have higher grain yields. DKS 49-45, DKS 51-01, BH 3822 and Pioneer 84G62 topped this test with grain yields of 7,434.5 lbs. per acre, 7,431 lbs. per acre, 7,125.5 lbs. per acre and 7,073 per acre, respectively. Producers should keep in mind that these results can change under different field conditions, soil fertility and irrigation practices, it is suggested that you look at the better cultivars on your farm to determine if they are compatible with your management style.

Objective:

Commercial sorghum hybrids require testing each year for determinations of consistency of grain yield. Through the use of a field test, a comparison is made of new hybrids of grain sorghum with hybrids that have proven to be successful, long term grain yielders. Testing of said hybrids within a geographic area of production is important to provide local producers with the latest information on old and new hybrids.

Materials and Methods:

Soil Type:	
Row Width:	40" Centers
Previous Crop:	Cotton
Land Preparation:	Conventional
Date Planted:	April 11, 2013
Seeding Rate:	48,000 seeds per acre
Plot Length:	Varied from 267-1,337 feet

Herbicide: None at Planting
Rainfall: Adequate
Irrigation: SSI
Harvest Date: August 19, 2013
Size of Harvested Plot: Rep I 8 rows X 267 - 1,1213 ft, Rep II 8 Rows X 1,213 - 1,337 ft.
Number of Entries: 10
Number of Replications: 2
Number of Rows/Plot: 8
Comments: Range of grain yield was 7,434.5 - 5,738.5 lbs. per acre

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For further information about the Texas A&M AgriLife Research Crop Testing program, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX, (979)-845-8505, croptest@neo.tamu.edu

Please visit the Crop Testing webpage at <http://varietytesting.tamu.edu>

Results and Discussion:

Table 1 contains the yields for each of the ten sorghum hybrids evaluated in this test. DKS 49-45, DKS 51-01, BH 3822 and Pioneer 84G62 topped this test with grain yields of 7,434.5 lbs. per acre, 7,431 lbs. per acre, 7,125.5 lbs. per acre and 7,073 per acre, respectively.

Acknowledgments:

Sincere appreciation is expressed to Douglas Wilde for establishing and managing this test. Also a word of thanks to BH Genetics for providing the grain buggy to weigh plots.

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Table 1. 2013 Wilde Grain Sorghum Performance Test

