2015 TEXAS A&M AGRILIFE EXTENSION
UNIFORM GRAIN SORGHUM HYBRID TRIALS

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TABLE OF CONTENTS

Introduction

Texas A&M AgriLife Extension conducts the uniform grain sorghum hybrid trials each year to provide growers in the region with accurate and unbiased information on hybrid performance. Selection of superior hybrids that are well adapted for a given region is essential for maximizing yield and profit.

This year, ten non-irrigated and one irrigated test sites were planted in the Rio Grande Valley, Gulf Coast and Blackland Prairie Regions. Excessive rainfall prevented planting or resulted in crop failure at several locations. From 5 to 7 grain sorghum hybrids were entered at each location. Additional hybrids may have been included at any given location at the discretion of the cooperator. Only official entries are included in regional summaries. Commercial seed companies enter one hybrid at their discretion into each trial sub-region and must be entered at all locations within a sub-region.

Performance trials are conducted by cooperative arrangements between growers, company representatives and Texas A&M AgriLife Extension personnel. Commercial farm equipment is typically used to plant and harvest. Test sites are on privately owned farms or at Texas A&M University AgriLife Research Centers. All entries are randomized and replicated three times at each location. All test sites are managed according to practices common to each production region. If replications are not available, statistical analysis cannot be performed and hybrid performance should be considered equal across hybrids for that site, despite numeric differences in yield or other agronomic traits.

Suggestions for Hybrid Selection

Variety or hybrid selection is often the first decision a grower must make each crop year. The goal is to identify hybrids with superior performance (top yielding) for your environment. Many environments exist in Texas with significant variation within regions and across years, mostly due to variation in weather. Documented, consistent yield performance within a region is essential for selecting hybrids that will perform well on your farming operation. This means that evaluation of hybrids over multiple locations and years (when possible) is the best way to predict future performance. Exercise caution when using single location data to compare hybrid performance.

Following yield performance, other characteristics may be useful for selecting the best hybrid. Maturity or days to flowering may be important for selecting hybrids that are appropriate for your growing season/conditions. Hybrids that possess stay green traits or tolerance of various pests or disease may be important for your environment. While consistent yield will be the most important factor affecting hybrid selection, additional plant characteristics or traits could be used to select from hybrids with similar yield performance.

Field-Plot Techniques

Hybrid performance trials are conducted at each location using a randomized complete block design with three replications of each entry (hybrid). Seeds for each hybrid are delivered to centralized distribution points in each sub-region. Plots are generally between 4 and 12 rows wide with row spacing ranging from 30 to 40 inches depending on location. All plots are planted using commercial farm equipment provided by growers or cooperators at each location.

Cultural and agronomic practices adapted for each region are used as determined by the cooperator. Most locations are harvested using commercial farm equipment and yield measured by weighing each plot using "weigh wagons". Some locations may use hand harvesting of predetermined row lengths followed by mechanical threshing and weighing. Grain moisture and test weight are determined from grab samples and measured using instruments such as the Mini GAC plus or similar instruments.

Data Analysis and Reporting

Data from each location is analyzed statistically using SAS 9.3. Mean values for yield and additional agronomic data are presented in tables for each location. Mean values are derived from the average of all replications for each entry in each trial. Least Significant Difference (LSD) is a statistical test used that determines the minimum difference between two entries required to be considered having different levels of performance. Differences between entries (yield, moisture, etc.) less than the LSD value represents variation in measurements due to factors other than hybrid performance, such as variation in soil type, soil moisture, fertility, insect or disease pressure, planting or harvesting procedures. Although numeric differences in yield or other measurements may exist, if two entries are within the LSD value, they should be considered to have equal performance. The Coefficient of Variation (CV) is used to determine the amount of variability in the data set relative to the mean and can be used to determine if the results are reliable. Generally, CV's greater than 20% indicate that the data is unreliable and is not reported. However, each data set is evaluated individually to determine if results will be reported.

In addition to individual location data, summaries for regional performance are provided. Regional summaries provide least square means for grain yield. Least square means are an estimate of yield from a linear model for each region. The model (PROC MIXED) accounts for fixed and random variables. Replications are considered random, hybrid and location are considered fixed. When hybrid is significant and no interaction (hybrid*location) is present, means separation is provided using Tukeys adjustment ($p < 0.05$).

Rainfall

Available soil moisture during the growing season is often a limiting factor for sorghum production in Texas. Available moisture will influence decisions on hybrid selection related to maturity and for selection of appropriate seeding rates. Variation in rainfall patterns can be substantial within a production region and from year to year. Often, it is useful to look at rainfall amounts for a given region based on the water-year. The water-year corresponds with hydrological cycles and runs from October 1 through September 30. In contrast to annual rainfall amounts, water-year analysis includes periods of time when soil profile moisture recharge can occur. The observed water-year is provided in Figure 1.

Company Information:

Company	Contact	Phone	Email
Terral Seed - REV	Cord Willms	979-475-8031	cwillms@terralseed.com
CPS Dyna-Gro	Allen Gabrysch	361-781-2742	allen.gabrysch@cpsagu.com
Golden Acres Genetics	James Allison	979-587-9968	aggie.allison@gmail.com
Mycogen Seeds	Trey Ramirez	979.324.9537	tsramirez@dow.com
Advanta - Phoenix	Travis Kidd	806-340-2031	Travis.kidd@advantaseeds.com
Monsanto Dekalb	Jim Bosch	979-229-8155	James.c.bosch@monsanto.com
B-H Genetics	Travis Janak	361-771-8722	travisj@bhgenetics.com

2015 Grain Sorghum
Rio Grande Valley
Regional Summary

Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (lb/acre)
Advanta	Alta	AG3201	12.6	57.7	5,200
Monsanto	Dekalb	DKS 53-53	12.7	58.9	5,140
Terral Seed	REV	9782	12.9	59.0	4,856
B-H Genetics	B-H Genetics	5566	12.7	57.8	4,825
CPS Dyna-Gro	DG	DG766B	12.5	58.2	4,780
Golden Acres Genetics	Golden Acres	3637	13.0	57.6	4,772
				Hybrid (Pr>F)	0.011
				Location (Pr>F)	0.009
				Hybrid*Location (Pr>F)	0.000

Yield is presented as the least square mean, which is an estimate from a linear model. The model (Proc Mixed, SAS 9.3) adjusts means for fixed and random affects in the model, including hybrid (f) location (f) and rep (r), to provide better estimates of yield for each hybrid in the regional trial. Yields highlighted in yellow are not significantly different than the top ranked hybrid (Tukeys p=0.05). If no yields are highlighted, refer to individual locations for evaluation of hybrid performance.

Cameron County
Grain Sorghum Hybrid Trial 2015

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
B-H Genetics	B-H Genetics	5566	12.4	57.17	5,574
Advanta	Alta	AG3201	12.1	57.33	5,563
Monsanto	Dekalb	DKS 53-53	12.3	58.33	5,208
CPS Dyna-Gro	DG	DG766B	12.2	57.67	5,145
Terral Seed	REV	9782	12.4	58.67	5,006
Golden Acres Genetics	Golden Acres	3637	12.4	56.83	4,581
Mean			12.31	57.67	5,179
C.V. (%)			1.473	0.852	4.532
L.S.D.				0.89	427.1
Pr>F (hybrid)			0.359	0.007	0.004

Agronomic information

Plant Date	3/30/2015
Harvest Date	7/22/2015
Irrigated	Yes
Row Spacing (in)	38
Number of Rows	11
Seeds per Acre	
Nitrogen (lb N/ac)	
Phosphorus (lb P2O5/ac)	
Potassium (lb K2O/ac)	
Precipitation (inches)	39.73
Soil Type	Olmito Silty Clay

Cooperator: Greg Schrieber

Agent: Enrique Perez

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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Hidalgo County
Grain Sorghum Hybrid Trial 2015

TEXAS A&M AGRILIFE EXTENSION

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Monsanto	Dekalb	DKS 53-53	13.1	59.50	5,073
Golden Acres Genetics	Golden Acres	3637	13.7	58.33	4,964
Advanta	Alta	AG3201	13.1	58.00	4,837
Terral Seed	REV	9782	13.5	59.33	4,707
CPS Dyna-Gro	DG	DG766B	12.8	58.67	4,414
B-H Genetics	B-H Genetics	5566	13.0	58.50	4,076
Anzu	Anzu	ABS 4400	13.0	58.33	3,966
Mean			13.16	58.67	4,577
C.V. (%)			4.251	0.852	4.660
L.S.D.				0.89	379.4
Pr>F (hybrid)			0.542	0.026	0.000

Agronomic information

Plant Date	3/3/2015
Harvest Date	7/22/2015
Irrigated	No
Row Spacing (in)	40
Number of Rows	12
Seeds per Acre	
Nitrogen (lb N/ac)	
Phosphorus (lb P2O5/ac)	
Potassium (lb K2O/ac)	
Precipitation (inches)	38.37
Soil Type	Raynosa Silty Clay Loam

Cooperator: Tim McDaniel

Agent: Brad Cowan

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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2015 Grain Sorghum
Coastal Bend
Regional Summary

Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (lb/acre)
Mycogen Seeds	Mycogen	1G688	14.1	55.5	5,420
Advanta	Alta	AG3201	14.5	56.5	5,132
CPS Dyna-Gro	DG	DG766B	14.4	55.8	5,120
Golden Acres Genetics	Golden Acres	3637	13.9	53.2	4,930
B-H Genetics	B-H Genetics	5566	14.4	54.6	4,857
Monsanto	Dekalb	DKS 53-67	14.5	57.7	4,825
Terral Seed	REV	9782	14.4	56.4	4,423

Hybrid (Pr>F)	0.012
Location (Pr>F)	0.055
Hybrid*Location (Pr>F)	0.341

Yield is presented as the least square mean, which is an estimate from a linear model. The model (Proc Mixed, SAS 9.3) adjusts means for fixed and random affects in the model, including hybrid (f) location (f) and rep (r), to provide better estimates of yield for each hybrid in the regional trial. Yields highlighted in yellow are not significantly different than the top ranked hybrid (Tukeys p=0.05). If no yields are highlighted, refer to individual locations for evaluation of hybrid performance.

Nueces County
Grain Sorghum Hybrid Trial 2015

TEXAS A&M AGRILIFE EXTENSION

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Mycogen Seeds	Mycogen	1G688	13.5	53.00	5,324
Advanta	Alta	AG3201	13.9	53.50	4,884
CPS Dyna-Gro	DG	DG766B	14.0	53.88	4,871
B-H Genetics	B-H Genetics	5566	14.0	52.88	4,750
Terral Seed	REV	9782	13.9	55.13	4,504
Monsanto	Dekalb	DKS 53-67	14.1	57.63	4,465
Golden Acres Genetics	Golden Acres	3637	13.2	49.13	4,448
Mean			13.80	53.59	4,749
C.V. (%)			1.337	1.563	11.586
L.S.D.			0.27	1.24	
Pr>F (hybrid)			0.000	0.000	0.303

Agronomic information

Plant Date	4/7/2015
Harvest Date	8/3/2015
Irrigated	No
Row Spacing (in)	38
Number of Rows	1
Seeds per Acre	
Nitrogen (lb N/ac)	104
Phosphorus (lb P2O5/ac)	64
Potassium (lb K2O/ac)	0
Precipitation (inches)	48.49
Soil Type	Victoria Clay

Cooperator: Corpus Christi AREC

Agent: Jason Ott

Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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San Patricio County
Grain Sorghum Hybrid Trial 2015

TEXAS A&M AGRILIFE EXTENSION

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Dupont	Pioneer	83P73	14.8	58.67	6,238
Dupont	Pioneer	83P56	14.3	59.83	5,661
Mycogen Seeds	Mycogen	1G688	14.8	58.77	5,516
Golden Acres Genetics	Golden Acres	3637	14.8	58.67	5,412
Monsanto	Dekalb	DKS 37-07	14.8	59.50	5,384
Advanta	Alta	AG3201	15.3	60.50	5,380
CPS Dyna-Gro	DG	DG766B	14.9	58.33	5,369
Monsanto	Dekalb	DKS 53-67	14.9	57.83	5,185
B-H Genetics	B-H Genetics	5566	14.9	57.00	4,964
Terral Seed	REV	9782	15.0	58.17	4,342
Mean			14.86	58.73	5,345
C.V. (%)			1.744	1.410	3.826
L.S.D.			0.44	1.42	350.8
Pr>F (hybrid)			0.019	0.003	0.000

Agronomic information

Plant Date	4/2/2015
Harvest Date	7/27/2015
Irrigated	No
Row Spacing (in)	30
Number of Rows	12
Seeds per Acre	
Nitrogen (lb N/ac)	84
Phosphorus (lb P2O5/ac)	12
Potassium (lb K2O/ac)	0
Precipitation (inches)	50.98
Soil Type	Victoria Clay

Cooperator: Andy Miller

Agent: Bob McCool

Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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2015 Grain Sorghum
Upper Gulf Coast
Regional Summary

Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (lb/acre)
Monsanto	Dekalb	DKS 53-67	13.9	58.2	4,458
Advanta	Alta	AG3201	13.4	57.2	4,336
B-H Genetics	B-H Genetics	5566	13.3	56.8	4,299
Terral Seed	REV	9782	13.8	56.9	4,221
CPS Dyna-Gro	DG	DG766B	13.4	56.5	4,127
Golden Acres Genetics	Golden Acres	3545 SN	13.6	56.2	3,970
				Hybrid (Pr>F)	0.000
				Location (Pr>F)	0.000
				Hybrid*Location (Pr>F)	0.007

Yield is presented as the least square mean, which is an estimate from a linear model. The model (Proc Mixed, SAS 9.3) adjusts means for fixed and random affects in the model, including hybrid (f) location (f) and rep (r), to provide better estimates of yield for each hybrid in the regional trial. Yields highlighted in yellow are not significantly different than the top ranked hybrid (Tukeys p=0.05). If no yields are highlighted, refer to individual locations for evaluation of hybrid performance.

Brazoria County
Grain Sorghum Hybrid Trial 2015

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Terral Seed	REV	9782	13.8	50.33	3,469
CPS Dyna-Gro	DG	DG766B	13.9	49.33	3,227
Monsanto	Dekalb	DKS 53-67	13.9	50.67	3,115
Advanta	Alta	AG3201	13.7	49.33	3,101
B-H Genetics	B-H Genetics	5566	13.7	50.33	3,087
Golden Acres Genetics	Golden Acres	3545 SN	13.8	47.33	3,044
Mean			13.79	49.56	3,174
C.V. (%)			2.490	0.875	9.024
L.S.D.					
Pr>F (hybrid)			0.069	0.167	0.516

Agronomic information

Plant Date	5/4/2015
Harvest Date	8/31/2015
Irrigated	No
Row Spacing (in)	38
Number of Rows	6
Seeds per Acre	
Nitrogen (lb N/ac)	128
Phosphorus (lb P2O5/ac)	
Potassium (lb K2O/ac)	
Precipitation (inches)	69.21
Soil Type	Lake Charles Clay

Cooperator: TDCJ, Darrington, Joe Klinkovsky

Agent: Jessica Chase

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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Calhoun County
Grain Sorghum Hybrid Trial 2015

TEXAS A&M AGRILIFE EXTENSION

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Golden Acres Genetics	Golden Acres	3545 SN	14.2	58.67	3,346
B-H Genetics	B-H Genetics	5566	13.4	57.33	3,179
Terral Seed	REV	9782	14.6	55.00	3,094
CPS Dyna-Gro	DG	DG766B	14.1	55.67	3,094
Monsanto	Dekalb	DKS 53-67	14.6	59.00	3,085
Advanta	Alta	AG2103	14.8	56.67	3,052
Advanta	Alta	AG3201	13.7	57.67	3,014
Mean			14.20	57.14	3,123
C.V. (%)			2.386	1.701	8.704
L.S.D.			0.60	1.73	
Pr>F (hybrid)			0.003	0.002	0.802

Agronomic information

Plant Date	5/4/2015
Harvest Date	8/28/2015
Irrigated	No
Row Spacing (in)	40
Number of Rows	6
Seeds per Acre	72,000
Nitrogen (lb N/ac)	
Phosphorus (lb P2O5/ac)	
Potassium (lb K2O/ac)	
Precipitation (inches)	59.29
Soil Type	Laewest Clay

Cooperator: Sam Nunley

Agent: Eric Taylor

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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Fort Bend County
Grain Sorghum Hybrid Trial 2015

TEXAS A&M AGRILIFE EXTENSION

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Monsanto	Dekalb	DKS 53-53	13.7	62.53	6,756
Monsanto	Dekalb	DKS 53-67	12.5	60.90	6,447
Advanta	Alta	AG3201	13.4	62.40	6,371
B-H Genetics	B-H Genetics	5566	13.0	60.03	6,104
Terral Seed	REV	9782	13.2	60.17	6,055
CPS Dyna-Gro	DG	DG766B	13.0	60.30	6,026
Golden Acres Genetics	Golden Acres	3545 SN	13.6	58.50	5,884
Mean			13.20	60.69	6,235
C.V. (%)			0.805	0.646	3.055
L.S.D.			0.19	0.70	338.8
Pr>F (hybrid)			0.000	0.000	0.002

Agronomic information

Plant Date	3/29/2015
Harvest Date	7/18/2015
Irrigated	No
Row Spacing (in)	36
Number of Rows	6
Seeds per Acre	75,000
Nitrogen (lb N/ac)	162
Phosphorus (lb P2O5/ac)	54
Potassium (lb K2O/ac)	54
Precipitation (inches)	59.86
Soil Type	Benard Edna Clay Loam

Cooperator: Alan and Lisa Stasney

Agent: John Gordy

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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Jackson County
Grain Sorghum Hybrid Trial 2015

TEXAS A&M AGRILIFE EXTENSION

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Monsanto	Dekalb	DKS 53-67	13.4	60.67	3,962
Advanta	Alta	AG3201	12.9	58.33	3,739
B-H Genetics	B-H Genetics	5566	12.8	58.50	3,654
Terral Seed	REV	9782	13.5	60.00	3,240
CPS Dyna-Gro	DG	DG766B	12.9	58.83	3,215
Golden Acres Genetics	Golden Acres	3545 SN	12.9	59.17	2,749
Mean			13.08	59.25	3,427
C.V. (%)			1.650	0.556	12.498
L.S.D.			0.39	0.60	779.2
Pr>F (hybrid)			0.011	0.000	0.056

Agronomic information

Plant Date	4/9/2015
Harvest Date	8/11/2015
Irrigated	No
Row Spacing (in)	38
Number of Rows	6
Seeds per Acre	
Nitrogen (lb N/ac)	114
Phosphorus (lb P2O5/ac)	17
Potassium (lb K2O/ac)	8
Precipitation (inches)	64.17
Soil Type	Edna Fine Sandy Loam

Cooperator: Pat Browning

Agent: Mike Hiller

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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Wharton County
Grain Sorghum Hybrid Trial 2015

TEXAS A&M AGRILIFE EXTENSION

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Monsanto	Dekalb	DKS 53-67	15.1	60.00	5,683
Dupont	Pioneer	83G19	13.7	58.17	5,605
B-H Genetics	B-H Genetics	5566	13.5	57.67	5,471
Advanta	Alta	AG3201	13.5	58.33	5,453
Terral Seed	REV	9782	13.9	59.17	5,246
CPS Dyna-Gro	DG	DG766B	13.1	58.33	5,074
Golden Acres Genetics	Golden Acres	3545 SN	13.6	57.17	4,827
Mean			13.79	58.40	5,337
C.V. (%)			3.382	0.488	1.384
L.S.D.			0.83	0.51	131.4
Pr>F (hybrid)			0.005	0.000	0.000

Agronomic information

Plant Date	4/1/2015
Harvest Date	7/13/2015
Irrigated	No
Row Spacing (in)	40
Number of Rows	6
Seeds per Acre	75,000
Nitrogen (lb N/ac)	140
Phosphorus (lb P2O5/ac)	47
Potassium (lb K2O/ac)	14
Precipitation (inches)	68.96
Soil Type	Lake Charles Clay

Cooperator: Duane Lutringer

Agent: Corrie Bowen

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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2015 Grain Sorghum
Blacklands
Regional Summary

Company	Brand	Hybrid	Moisture (%)	Test Weight (lb/bu)	Yield (lb/acre)
B-H Genetics	B-H Genetics	4100	11.5	57.3	4,619
Golden Acres Genetics	Golden Acres	3545 SN	11.5	56.7	4,370
Mycogen Seeds	Mycogen	1G688	11.3	56.2	4,160
CPS Dyna-Gro	DG	DG766B	10.9	57.3	3,705
Terral Seed	REV	9782	11.4	56.1	3,275

Hybrid (Pr>F)	0.014
Location (Pr>F)	0.961
Hybrid*Location (Pr>F)	0.620

Yield is presented as the least square mean, which is an estimate from a linear model. The model (Proc Mixed, SAS 9.3) adjusts means for fixed and random affects in the model, including hybrid (f) location (f) and rep (r), to provide better estimates of yield for each hybrid in the regional trial. Yields highlighted in yellow are not significantly different than the top ranked hybrid (Tukeys p=0.05). If no yields are highlighted, refer to individual locations for evaluation of hybrid performance.

Coryell County
Grain Sorghum Hybrid Trial 2015

TEXAS A&M AGRILIFE EXTENSION

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
B-H Genetics	B-H Genetics	4100	14.3	54.00	4,914
Monsanto	Dekalb	DKS 53-67	14.2	54.00	4,734
Golden Acres Genetics	Golden Acres	3545 SN	13.5	55.00	4,523
Mycogen Seeds	Mycogen	1G688	13.1	54.00	4,283
CPS Dyna-Gro	DG	DG766B	13.2	53.00	3,318
Terral Seed	REV	9782	13.3	54.50	3,020
Mean			13.59	54.08	4,132
C.V. (%)					
L.S.D.					
Pr>F (hybrid)					

Agronomic information

Plant Date	4/2/2015
Harvest Date	8/17/2015
Irrigated	No
Row Spacing (in)	28
Number of Rows	12
Seeds per Acre	
Nitrogen (lb N/ac)	82
Phosphorus (lb P2O5/ac)	0
Potassium (lb K2O/ac)	0
Precipitation (inches)	32.78
Soil Type	Denton Silty Clay

Cooperator: Mike Young

Agent: Pasquale Swaner

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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Williamson County
Grain Sorghum Hybrid Trial 2015

TEXAS A&M AGRILIFE EXTENSION

Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Advanta	Alta	AG1203	11.5	58.28	4,599
Monsanto	Dekalb	DKS 44-20	11.4	57.61	4,599
Monsanto	Dekalb	DKS 53-53	11.3	57.69	4,372
B-H Genetics	B-H Genetics	4100	11.2	57.54	4,324
Golden Acres Genetics	Golden Acres	3545 SN	11.3	56.85	4,217
CPS Dyna-Gro	DG	DG766B	10.6	57.67	4,041
Mycogen Seeds	Mycogen	1G688	11.1	56.40	4,037
Terral Seed	REV	9782	11.0	56.32	3,529
Mean			11.18	57.29	4,215
C.V. (%)			8.042	2.192	16.299
L.S.D.				1.03	562.0
Pr>F (hybrid)			0.505	0.002	0.007

Agronomic information

Plant Date	4/18/2015
Harvest Date	9/29/2015
Irrigated	No
Row Spacing (in)	38
Number of Rows	2
Seeds per Acre	66,559
Nitrogen (lb N/ac)	70
Phosphorus (lb P2O5/ac)	0
Potassium (lb K2O/ac)	0
Precipitation (inches)	41.97
Soil Type	Burleson Clay

Cooperator: Stiles farm Foundation - Ryan Collett

Agent:

Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Precipitation data is based on NOAA radar estimates for the water year (October 1 - September 30 of current year). For additional information contact your local county extension agent or:

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