

2014 GULF COAST GRAIN SORGHUM UNIFORM HYBRID TRIALS



Department of Soil and Crop Sciences

2014 GULF COAST GRAIN SORGHUM UNIFORM HYBRID TRIALS

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Introduction

Texas A&M AgriLife Extension conducts the grain sorghum performance tests 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, eleven non-irrigated test sites and 2 irrigated sites were planted in the Gulf Coast Region. Eight 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. Typically mid- and full-season hybrids will respond favorably to additional moisture while early or short season hybrids are designed for dryland production with lower moisture requirements. Selecting the wrong maturity hybrid can result in poor yields in dry environments or the inability of a hybrid to produce higher yields if the moisture profile is favorable.

As water becomes more limited, drought tolerance becomes a critical component for production. Most sorghum hybrids possess good levels of pre-flowering drought tolerance, but there is a wide variation for post-flowering drought tolerance, and in most years post flowering drought is more common in Texas. Therefore, producers should ask seed companies for the relative level of post-flowering drought tolerance (or staygreen) their hybrids possess. Producers should realize that plant height and grain yield are correlated and while there are exceptions, taller hybrids generally have higher yield potential. Likewise taller hybrids require greater management, but if they possess good post-flowering drought tolerance (or staygreen) they should have good standability. Plant populations also influence standability and should be adjusted for your local soil type and available moisture.

Finally, variation for grain quality exists in grain sorghum and there are several hybrids that are now used in food grain markets. A list of these hybrids is provided by the National Grain Sorghum Producers (www.sorghumgrowers.com). These hybrids have white or cream-colored grain and straw colored glumes with tan plant color. While these hybrids are not suitable in all regions, in certain environments these hybrids yield comparably to traditional hybrids and may provide additional marketing opportunities.

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 pickup 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 9.1. 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 present the data as average relative yield. Relative yields are calculated for each site by calculating the yield for each hybrid as a percentage of the best performing hybrid. For example, if the hybrid A is the top yielding entry at a particular location with a yield of 7,500 lb/acre and hybrid B yields 6,200 bu/acre, hybrid A would have a relative yield of 100% and hybrid B would have a relative yield of 83%. The relative yields are averaged across all locations for each production region. Average relative yield values less than 90% suggest inconsistent performance.

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.

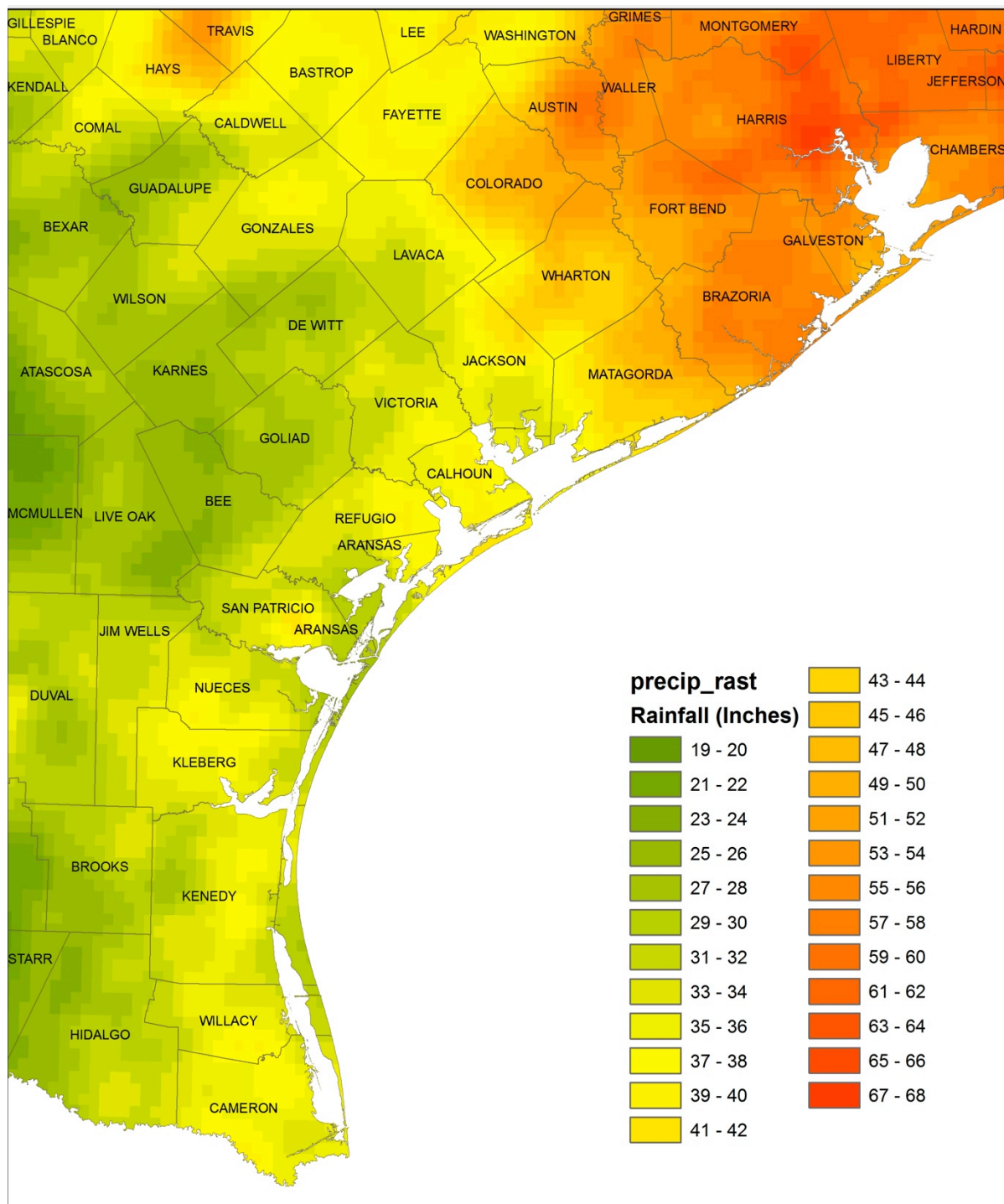


Figure 1. Rainfall in inches for the water year 2014 (October 1, 2013 - September 30, 2014).

Company Information:

Company	Contact	Phone	Email
Terral Seed	Cord Willo u	979-475-8031	cwillms@terralseed.com
CPS-Dyna-Gro	Allen Gabrysch	361-781-2742	allen.gabrysch@cpsagu.com
Golden Acres Genetics	John Rocconi	254-761-9838	jrocconi@gaseed.com
Mycogen Seeds	Ben Benton	806-253-2584	Brbenton@dow.com
Warner Seeds, Inc.	Cheb Krueger	806-364-4470	wsi@warnerseeds.com
Croplan	Chuck Malott	210-218-4262	jcmalott@landolakes.com
Monsanto	Steve Carlson	979-229-8155	steve.carlson@monsanto.com
Syngenta	Tony Driver	254-848-5553	tony.driver@syngenta.com
B-H Genetics	Travis Janak	361-771-8722	travisj@bhgenetics.com
Chromatin, Inc.	Alfredo Pineda	806-746-5566 ext 1014	apineda@chromatininc.com

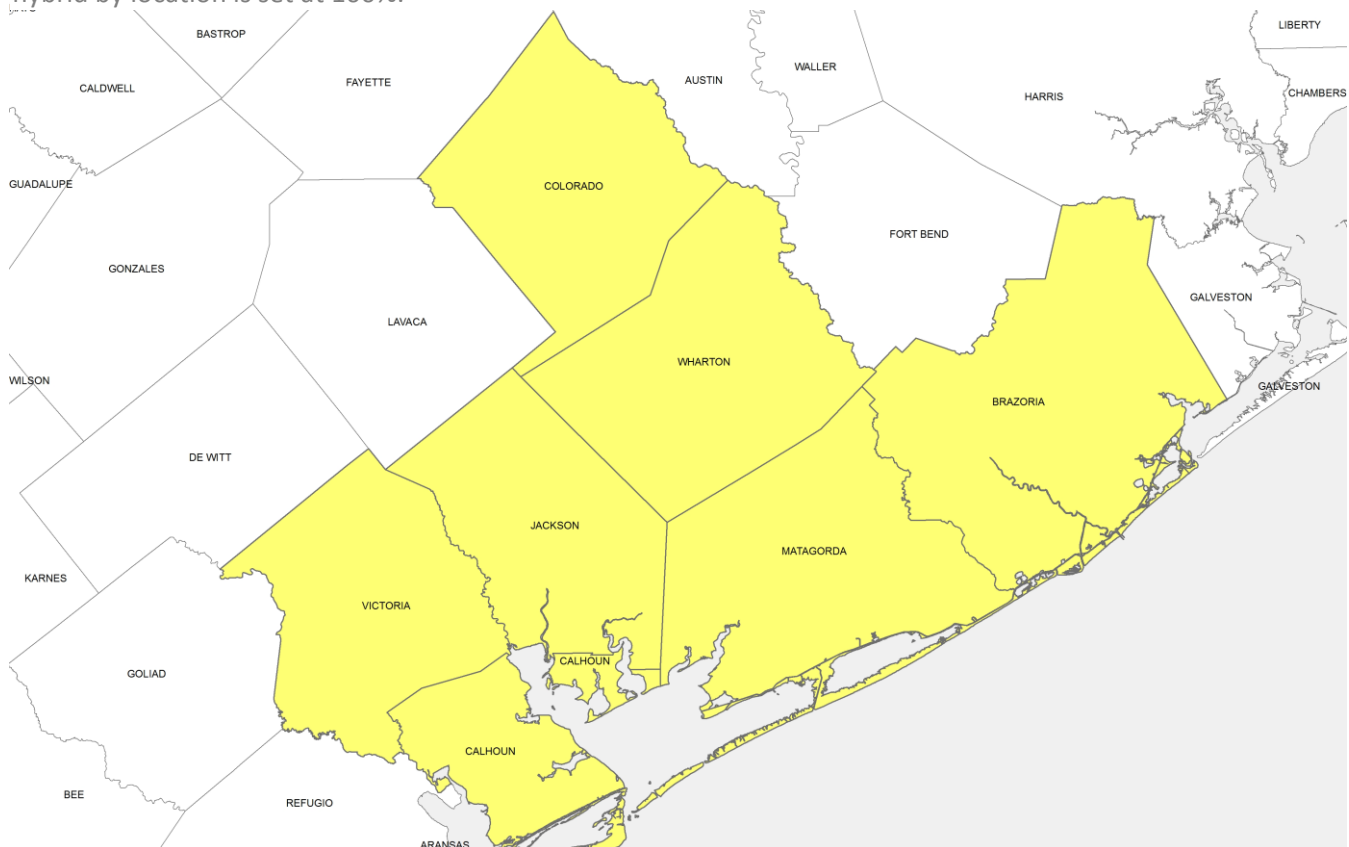
2014

Regional Grain Sorghum Summary Upper Gulf Coast



Company	Brand	Hybrid	Relative Yield (%)
Monsanto	Dekalb	DKS 53-67	96.18
Chromatin Inc.	Sorghum Partners	SP6929	90.98
Terral Seed	Terral	REV 9782	90.47
B-H Genetics	B-H Genetics	BH 5566	89.87
Golden Acres Genetics	Golden Acres	3637	87.66
Mycogen Seeds	Mycogen	TRX14682	83.79
CPS Dyna-Gro	DG	M77GR61	81.11
Warner Seeds Inc.	Warner Seed	W-7012	79.95

Note: Relative yield is presented for each hybrid as the average across all locations where the highest yielding hybrid by location is set at 100%.



Brazoria County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Chromatin Inc.	Sorghum Partners	SP6929	17.97	60.00	5,299
Terral Seed	Terral	REV 9782	16.93	60.67	4,957
B-H Genetics	B-H Genetics	BH 5566	15.93	58.00	4,942
Monsanto	Dekalb	DKS 53-67	16.90	62.00	4,785
Mycogen Seeds	Mycogen	TRX14682	16.93	60.00	4,687
Golden Acres Genetics	Golden Acres	3637	17.17	59.00	4,422
Warner Seeds Inc.	Warner Seed	W-7012	16.63	60.33	3,817
CPS Dyna-Gro	DG	M77GR61	16.70	57.33	3,501

Agronomic information

Plant Date

Harvest Date

☐ Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb/ac)

Phosphorus (lb/ac)

Potassium (lb/ac)

Mean	<input type="text" value="16.90"/>	<input type="text" value="59.67"/>	<input type="text" value="4,551"/>
C.V. (%)	<input type="text" value="4.122"/>	<input type="text" value="1.701"/>	<input type="text" value="6.061"/>
L.S.D.	<input type="text"/>	<input type="text" value="1.78"/>	<input type="text" value="483.1"/>
P>f (hybrid)	<input type="text" value="0.130"/>	<input type="text" value="0.001"/>	<input type="text" value="0.000"/>

Cooperator:

Agent:

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid.
For additional information contact your local county extension agent or:
Dr. Ronnie Schnell
ronnie.schnell@ag.tamu.edu
979-845-2935

Calhoun County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Monsanto	Dekalb	DKS 53-67	16.10	58.67	6,789
Terral Seed	Terral	REV 9782	16.20	54.67	6,534
Golden Acres Genetics	Golden Acres	3637	15.63	54.33	6,428
CPS Dyna-Gro	DG	M77GR61	15.60	54.00	6,016
B-H Genetics	B-H Genetics	BH 5566	15.70	55.67	6,016
Chromatin Inc.	Sorghum Partners	SP6929	16.87	56.33	5,949
Warner Seeds Inc.	Warner Seed	W-7012	15.23	56.67	5,579
Mycogen Seeds	Mycogen	TRX14682	15.77	57.33	5,460

Agronomic information

Plant Date

Harvest Date

☐ Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb/ac)

Phosphorus (lb/ac)

Potassium (lb/ac)

Mean	<input type="text" value="15.89"/>	<input type="text" value="55.96"/>	<input type="text" value="6,096"/>
C.V. (%)	<input type="text" value="3.194"/>	<input type="text" value="1.535"/>	<input type="text" value="3.740"/>
L.S.D.	<input type="text" value="0.89"/>	<input type="text" value="1.54"/>	<input type="text" value="399.3"/>
P>f (hybrid)	<input type="text" value="0.044"/>	<input type="text" value="0.000"/>	<input type="text" value="0.000"/>

Cooperator:

Agent:

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid.
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ronnie.schnell@ag.tamu.edu
979-845-2935

Colorado County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Monsanto	Dekalb	DKS 53-67	14.23	59.00	6,512
Golden Acres Genetics	Golden Acres	3637	14.67	58.10	5,980
Chromatin Inc.	Sorghum Partners	SP6929	14.20	57.27	5,835
B-H Genetics	B-H Genetics	BH 5566	14.23	59.07	5,719
CPS Dyna-Gro	DG	M77GR61	14.60	58.77	5,618
Mycogen Seeds	Mycogen	TRX14682	14.03	58.60	5,544
Terral Seed	Terral	REV 9782	14.43	58.53	5,472
Warner Seeds Inc.	Warner Seed	W-7012	14.10	58.67	5,332

Agronomic information

Plant Date 3/21/2014

Harvest Date 7/25/2014

☐ Irrigated

Row Spacing (in) 38

Number of Rows 4

Seeds per Acre 80,000

Nitrogen (lb/ac) 115

Phosphorus (lb/ac) 39

Potassium (lb/ac) 9

Mean	14.31	58.50	5,752
C.V. (%)	1.792	1.981	5.328
L.S.D.			536.6
P>f (hybrid)	0.076	0.633	0.009

Cooperator: Leopold Bros. Farms

Agent: Kara Matheney

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid.
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Jackson County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Monsanto	Dekalb	DKS 53-67	14.17	61.50	6,865
B-H Genetics	B-H Genetics	BH 5566	13.63	59.33	6,455
Chromatin Inc.	Sorghum Partners	SP6929	14.10	60.67	6,323
Terral Seed	Terral	REV 9782	13.80	60.83	6,311
Golden Acres Genetics	Golden Acres	3637	13.83	60.17	6,026
Mycogen Seeds	Mycogen	TRX14682	13.37	59.67	6,006
CPS Dyna-Gro	DG	M77GR61	13.60	58.83	5,814
Warner Seeds Inc.	Warner Seed	W-7012	13.80	59.67	5,553

Agronomic information

Plant Date 3/21/2014

Harvest Date 7/30/2014

☐ Irrigated

Row Spacing (in) 38

Number of Rows 6

Seeds per Acre 65,000

Nitrogen (lb/ac) 108

Phosphorus (lb/ac) 12

Potassium (lb/ac) 4

Mean	13.79	60.08	6,169
C.V. (%)	2.129	0.820	3.735
L.S.D.		0.86	403.5
P>f (hybrid)	0.079	0.000	0.000

Cooperator: Lloyd Kulak

Agent: Mike Hiller

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid.
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Dr. Ronnie Schnell
ronnie.schnell@ag.tamu.edu
979-845-2935

Matagorda County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Terral Seed	Terral	REV 9782	15.00	60.50	6,103
B-H Genetics	B-H Genetics	BH 5566	14.70	60.00	5,723
Chromatin Inc.	Sorghum Partners	SP6929	15.30	61.00	5,714
Monsanto	Dekalb	DKS 53-67	15.40	61.00	5,514
Golden Acres Genetics	Golden Acres	3637	14.80	58.50	5,401
CPS Dyna-Gro	DG	M77GR61	15.10	59.00	5,362
Mycogen Seeds	Mycogen	TRX14682	14.80	60.00	5,335
Warner Seeds Inc.	Warner Seed	W-7012	15.00	60.00	4,740

Mean	15.01	60.00	5,487
C.V. (%)			
L.S.D.			
P>f (hybrid)			

Agronomic information

Plant Date

Harvest Date

☐ Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb/ac)

Phosphorus (lb/ac)

Potassium (lb/ac)

Cooperator:

Agent:

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid.
For additional information contact your local county extension agent or:
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979-845-2935

Wharton County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Monsanto	Dekalb	DKS 53-67	14.43	62.50	7,191
Dupont	Pioneer	83G19	14.10	60.83	7,020
Terral Seed	Terral	REV 9782	14.27	62.50	6,766
Chromatin Inc.	Sorghum Partners	SP6929	14.67	61.83	6,756
B-H Genetics	B-H Genetics	BH 5566	14.10	60.33	6,731
Warner Seeds Inc.	Warner Seed	W-7012	14.23	61.00	6,425
Golden Acres Genetics	Golden Acres	3637	14.67	61.00	6,385
CPS Dyna-Gro	DG	M77GR61	14.77	60.00	6,186
Mycogen Seeds	Mycogen	TRX14682	14.33	61.00	6,121

Agronomic information

Plant Date

Harvest Date

☐ Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb/ac)

Phosphorus (lb/ac)

Potassium (lb/ac)

Mean	<input type="text" value="14.40"/>	<input type="text" value="61.22"/>	<input type="text" value="6,620"/>
C.V. (%)	<input type="text" value="1.546"/>	<input type="text" value="0.707"/>	<input type="text" value="1.617"/>
L.S.D.	<input type="text" value="0.39"/>	<input type="text" value="0.75"/>	<input type="text" value="185.3"/>
P>f (hybrid)	<input type="text" value="0.011"/>	<input type="text" value="0.000"/>	<input type="text" value="0.000"/>

Cooperator:

Agent:

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid. For additional information contact your local county extension agent or:
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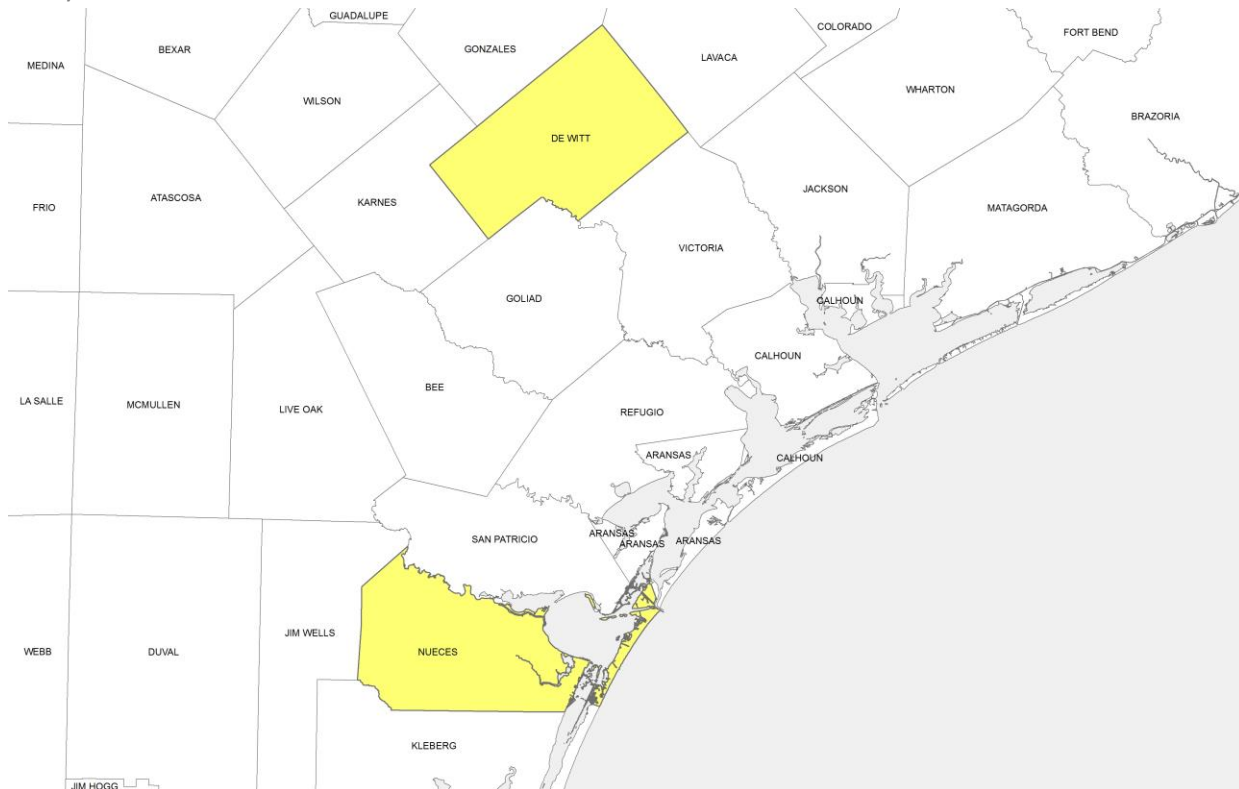
2014

Regional Grain Sorghum Summary Coastal Bend



Company	Brand	Hybrid	Relative Yield (%)
Terral Seed	Terral	REV 9782	82.60
Monsanto	Dekalb	DKS 38-88	82.18
Golden Acres Genetics	Golden Acres	3637	78.12
CPS Dyna-Gro	DG	M75GR47	77.87
Chromatin Inc.	Sorghum Partners	SP6929	77.77
B-H Genetics	B-H Genetics	BH 3822	77.66
Mycogen Seeds	Mycogen	1G855	73.46
Warner Seeds Inc.	Warner Seed	W-7012	66.78

Note: Relative yield is presented for each hybrid as the average across all locations where the highest yielding hybrid by location is set at 100%.



Nueces County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Terral Seed	Terral	REV 9782	14.25	56.50	4,575
CPS Dyna-Gro	DG	M75GR47	13.90	54.00	4,532
Terral Seed	Terral	REV 9562	14.10	57.50	4,409
Monsanto	Dekalb	DKS 38-88	13.33	55.75	4,366
Dupont	Pioneer	84G62	13.35	55.50	4,316
Golden Acres Genetics	Golden Acres	3637	13.03	50.50	4,299
Mycogen Seeds	Mycogen	1G855	13.30	58.00	4,246
Chromatin Inc.	Sorghum Partners	SP6929	13.73	52.00	4,195
Dupont	Pioneer	83P99	13.58	56.00	4,108
B-H Genetics	B-H Genetics	BH 3822	13.30	55.00	3,999
Dupont	Pioneer	84P80	13.95	54.75	3,907
Warner Seeds Inc.	Warner Seed	W-7012	13.70	55.75	3,778

Nueces County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
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Agronomic information

Plant Date

Harvest Date

☐ Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb/ac)

Phosphorus (lb/ac)

Potassium (lb/ac)

Mean	<input type="text" value="13.63"/>	<input type="text" value="55.10"/>	<input type="text" value="4,227"/>
C.V. (%)	<input type="text" value="7.466"/>	<input type="text" value="6.392"/>	<input type="text" value="16.606"/>
L.S.D.	<input type="text"/>	<input type="text"/>	<input type="text"/>
P>f (hybrid)	<input type="text" value="0.857"/>	<input type="text" value="0.191"/>	<input type="text" value="0.902"/>

Cooperator:

Agent:

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid.
For additional information contact your local county extension agent or:
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979-845-2935

Nueces County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
B-H Genetics	B-H Genetics	BH 3822	14.97	60.00	5,068
Monsanto	Dekalb	DKS 38-88	15.17	60.33	4,989
Golden Acres Genetics	Golden Acres	3637	13.67	57.67	4,690
Terral Seed	Terral	REV 9782	14.73	60.00	4,685
CPS Dyna-Gro	DG	M75GR47	14.93	59.00	4,633
Chromatin Inc.	Sorghum Partners	SP6929	14.37	59.67	4,585
Warner Seeds Inc.	Warner Seed	W-7012	14.20	60.67	3,795
Mycogen Seeds	Mycogen	1G855	15.13	59.67	3,451

Agronomic information

Plant Date

Harvest Date

☐ Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb/ac)

Phosphorus (lb/ac)

Potassium (lb/ac)

Mean	<input type="text" value="14.65"/>	<input type="text" value="59.63"/>	<input type="text" value="4,487"/>
C.V. (%)	<input type="text" value="6.621"/>	<input type="text" value="0.787"/>	<input type="text" value="3.573"/>
L.S.D.	<input type="text" value=""/>	<input type="text" value="0.82"/>	<input type="text" value="280.7"/>
P>f (hybrid)	<input type="text" value="0.544"/>	<input type="text" value="0.000"/>	<input type="text" value="0.000"/>

Cooperator:

Agent:

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid.
For additional information contact your local county extension agent or:
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ronnie.schnell@ag.tamu.edu
979-845-2935

Nueces County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Monsanto	Dekalb	DKS 38-88	14.90	52.75	5,692
Terral Seed	Terral	REV 9782	15.10	55.50	5,626
Chromatin Inc.	Sorghum Partners	SP6929	15.08	55.38	5,370
B-H Genetics	B-H Genetics	BH 3822	14.58	54.50	5,360
Golden Acres Genetics	Golden Acres	3637	14.65	50.88	5,203
Mycogen Seeds	Mycogen	1G855	14.20	54.25	5,171
CPS Dyna-Gro	DG	M75GR47	14.43	53.50	4,811
Warner Seeds Inc.	Warner Seed	W-7012	15.15	55.00	4,417

Agronomic information

Plant Date

Harvest Date

☐ Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb/ac)

Phosphorus (lb/ac)

Potassium (lb/ac)

Mean	<input type="text" value="14.76"/>	<input type="text" value="53.97"/>	<input type="text" value="5,206"/>
C.V. (%)	<input type="text" value="2.616"/>	<input type="text" value="2.264"/>	<input type="text" value="6.553"/>
L.S.D.	<input type="text" value="0.57"/>	<input type="text" value="1.80"/>	<input type="text" value="501.7"/>
P>f (hybrid)	<input type="text" value="0.016"/>	<input type="text" value="0.000"/>	<input type="text" value="0.001"/>

Cooperator:

Agent:

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid.
For additional information contact your local county extension agent or:
Dr. Ronnie Schnell
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979-845-2935

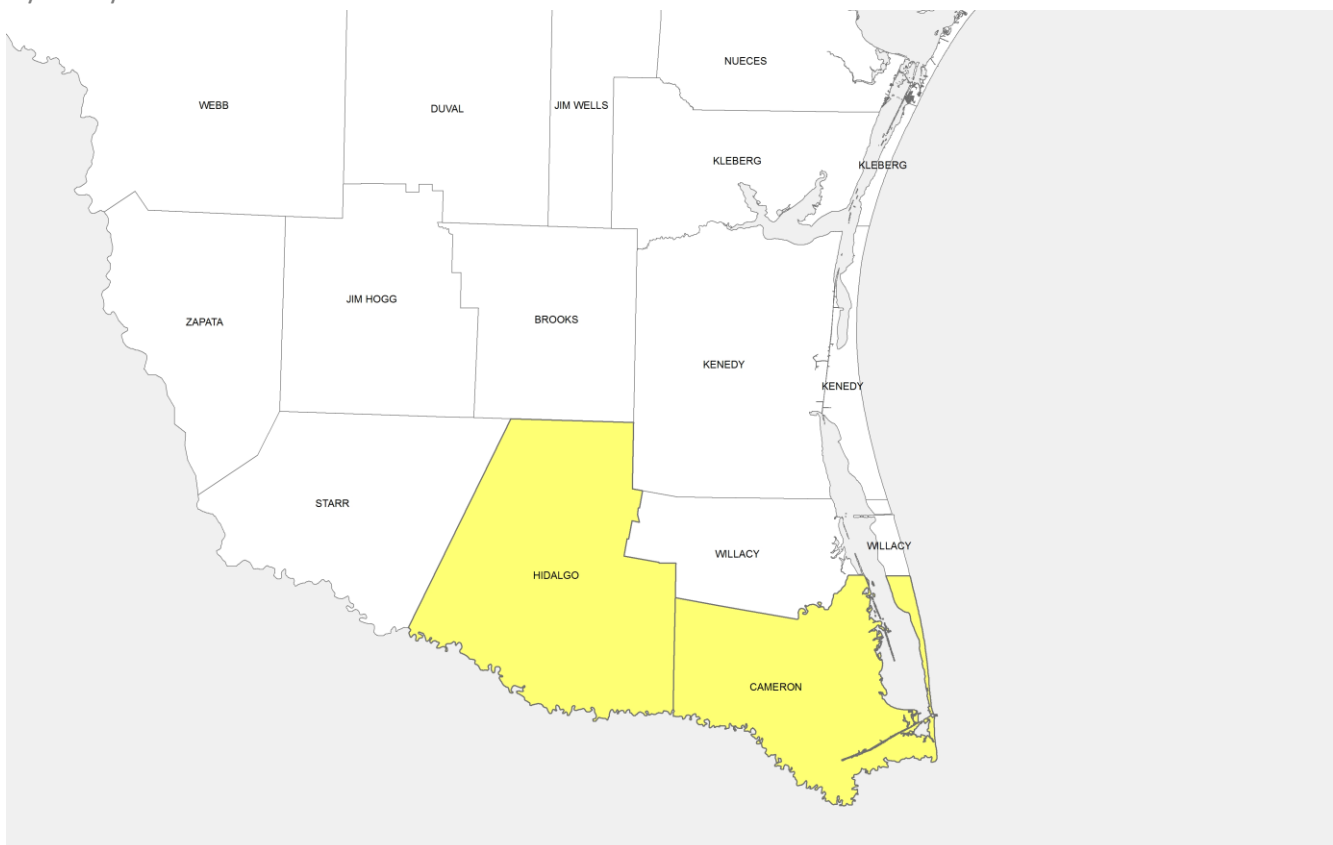
2014

Regional Grain Sorghum Summary Rio Grande Valley



Company	Brand	Hybrid	Relative Yield (%)
Monsanto	Dekalb	DKS 38-88	88.41
Golden Acres Genetics	Golden Acres	3637	83.28
Chromatin Inc.	Sorghum Partners	SP6929	82.15
B-H Genetics	B-H Genetics	BH 5566	76.94
Terral Seed	Terral	REV 9782	76.17
Mycogen Seeds	Mycogen	1G855	74.30
CPS Dyna-Gro	DG	766B	71.61
Warner Seeds Inc.	Warner Seed	W-7012	60.65

Note: Relative yield is presented for each hybrid as the average across all locations where the highest yielding hybrid by location is set at 100%.



Cameron County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Chromatin Inc.	Sorghum Partners	SP6929	14.13	54.00	6,468
B-H Genetics	B-H Genetics	BH 5566	13.67	54.00	6,098
Golden Acres Genetics	Golden Acres	3637	13.80	51.00	5,900
Monsanto	Dekalb	DKS 38-88	14.30	54.33	5,836
Mycogen Seeds	Mycogen	1G855	13.63	56.00	5,822
Terral Seed	Terral	REV 9782	14.37	53.67	5,777
Warner Seeds Inc.	Warner Seed	W-7012	13.63	52.00	5,719
CPS Dyna-Gro	DG	766B	14.33	52.17	4,911

Agronomic information

Plant Date

Harvest Date



Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb/ac)

Phosphorus (lb/ac)

Potassium (lb/ac)

Mean	<input type="text" value="13.98"/>	<input type="text" value="53.40"/>	<input type="text" value="5,817"/>
C.V. (%)	<input type="text" value="3.160"/>	<input type="text" value="3.238"/>	<input type="text" value="4.574"/>
L.S.D.	<input type="text"/>	<input type="text"/>	<input type="text" value="465.9"/>
P>f (hybrid)	<input type="text" value="0.190"/>	<input type="text" value="0.066"/>	<input type="text" value="0.001"/>

Cooperator:

Agent:

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid.
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Hidalgo County Grain Sorghum Hybrid Trial 2014



Company	Brand	Hybrid	Moisture %	Test Weight (lb/bu)	Yield (lbs/acre)
Monsanto	Dekalb	DKS 38-88	15.10	58.33	6,775
Golden Acres Genetics	Golden Acres	3637	14.73	58.33	5,972
CPS Dyna-Gro	DG	766B	14.90	57.00	5,300
Chromatin Inc.	Sorghum Partners	SP6929	15.47	57.00	5,236
Terral Seed	Terral	REV 9782	14.83	58.00	5,077
B-H Genetics	B-H Genetics	BH 5566	15.20	57.00	4,862
Mycogen Seeds	Mycogen	1G855	15.37	56.33	4,763
Warner Seeds Inc.	Warner Seed	W-7012	14.83	56.33	2,909

Agronomic information

Plant Date

Harvest Date



Irrigated

Row Spacing (in)

Number of Rows

Seeds per Acre

Nitrogen (lb/ac)

Phosphorus (lb/ac)

Potassium (lb/ac)

Mean	<input type="text" value="15.05"/>	<input type="text" value="57.29"/>	<input type="text" value="5,112"/>
C.V. (%)	<input type="text" value="2.722"/>	<input type="text" value="1.553"/>	<input type="text" value="6.618"/>
L.S.D.	<input type="text"/>	<input type="text"/>	<input type="text" value="592.4"/>
P>f (hybrid)	<input type="text" value="0.313"/>	<input type="text" value="0.062"/>	<input type="text" value="0.000"/>

Cooperator:

Agent:

Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in green are not statistically different from the top ranked hybrid.
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