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ANOTHER DAY | p. 6



# NATIONAL SORGHUM PRODUCERS

# SORGHUM

## Grower

WINTER 2014

## SORGHUM SEED GUIDE

Annual State Yield Performance Trial Issue

KIDS COVER CONTEST WINNER

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**SORGHUM**  
*Grower*

WINTER 2014

ON THE COVER: This photo of Kent Martin and his son Kase of Carmen, Okla., is our Kids Cover Contest winner. For the story behind the photo, see p. 61. Photo by Konya Martin.



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## Chairman's Desk

# Striving for Top Yields



WHEN SORGHUM GROWERS ROLL THROUGH THEIR fields harvesting their crop each fall, they keep a close eye on that yield monitor. The magic number appearing on the screen is an indication of the year's hard work, decisions, management practices and weather. While many areas throughout the Sorghum Belt saw some relief this year to the ongoing drought, Mother Nature still challenged all of us growers with unpredictable weather. However, that didn't stop growers from reaching high yields with their sorghum crop.

Each year, National Sorghum Producers hosts its national sorghum yield and management contest, which showcases the achievements of member growers who produced top yields during the year. This year's results once again prove how sorghum can perform under proper management. The 2013 Bin Buster winner achieved 215 bushels per acre on his irrigated sorghum field in southwest Kansas, while the non-irrigated Bin Buster winner reached more than 186 bushels per acre on his farm in Illinois. These are phenomenal yields, and we congratulate our Bin Busters and all the other winners on their accomplishments.

In addition to the yield contest results, this issue—our biggest yet—also features the grain sorghum hybrid results from 12 states. We feel these results provide growers with valuable information as you make your planting decisions.

As we look ahead to 2014, we wish each and every farmer a productive and profitable crop year.

J.B. Stewart  
*National Sorghum Producers Chairman  
Keyes, Oklahoma*

## Living to Fight Another Day

By Combest, Sell & Associates



IT IS LIKELY THE 2014 MIDTERM ELECTIONS will hang over Washington, D.C., like a storm cloud in the coming year. Good or bad, not too deep into next year, all discussions and debates will be colored by Republicans and Democrats positioning themselves for voters in November.

By the time you read this, it is likely the farm bill, despite the political shadows cast, will have managed to get through conference and across the House and Senate floors. This feat in and of itself is significant as only three pieces of legislation have reached conference committee so far in the 112th Congress.

In terms of content, you can be sure the farm bill will contain a number of positive provisions for sorghum growers. The crafting of the commodity, conservation, and energy titles, specifically, have taken into account the importance of sorghum as a water-sipping, resilient, rotational crop.

Implementation of a new farm bill will also pose some challenges if past is prologue. The devil will most certainly be in the details, and sorghum has much to gain or lose in

the implementation process of new farm policy. Fortunately, sorghum producers have staff on the ground that are already establishing farm bill implementation committees made up of grower leaders to help tend to such details.

Aside from the farm bill, regulatory and tax issues will continue to be major issues in the coming year. The Administration will undoubtedly press for new regulations on a number of fronts affecting agriculture, and expiring tax provisions important to producers will need to be renewed. This occurring in the context of an overall reform of the code took a bit of a hit with the recent appointment of Sen. Max Baucus (D-MT) as ambassador to China, though many analysts had low expectations of tax reform this year anyway.

The Administration's calculation to significantly lower the volume requirements for the Renewable Fuel Standard (RFS) may pay short term dividends with the oil and radical environmental crowd but would have long-term negative consequences on the renewable fuels industry, to say nothing of our goal of greater energy independence. Still, it is yet to be seen what finally comes of the issue as the comment period for the proposed volume requirements is still open and legal maneuvering is expected regardless of the outcome. Legislatively speaking, the general logjam in Congress may prove the most significant roadblock for critics who want to revisit the standard.

All said, sorghum producers have a lot of opportunity in front of them in the coming year. We generally kept the wolves at bay for another year, and we live to fight another day. ¶

## A Fresh Start for the New Year

By Kevin Spafford, eLegacyConnect

JANUARY IS THE TIME TO review and make plans for next year. During this time of year, we compare achievements to intentions and devise plans to finish strong. On the family farm, family members fill a variety of roles. Besides a place in the family hierarchy, parents, sons, daughters, siblings and grandchildren may also be part of the ownership group. As a result, the lines separating family matters from business decisions may cause confusion. Family acrimony may spill over into the business and disrupt operations. One of the best ways to minimize this distraction is to establish a governance structure that clarifies the boundaries between family and business.

A family council provides the governance structure to separate and manage the family's interests in the business. It speaks for the family and develops the family's vision for the business. It is primarily responsible for family communications, educating younger members on business values, and maintaining family business relations.

The family council is a governance structure comprised of family members. While its makeup, duties and

degree of influence vary from one family business to the other, the goal is to increase communication among family members and decrease the conflict that often results when family and business matters collide. The family council adopts policies and acts appropriately to establish clear boundaries between family and business.

Since the family council governs the business of the family, there are an unlimited number of functions it can perform, including:

### **Policies and Procedures Governing the Family**

Probably the most important function of any family council is to establish policies and procedures for governing the family and guiding its relationship with the business. These policies create the boundaries that separate the family from the business, which may include: Employment and compensation guidelines, a family code of conduct, and succession guidance.

### **Family Mission Statements**

Family business values and goals are typically the driving force that

motivates family business success. A family mission statement can be used to express the family's business values and goals by establishing uncompromising principles and achievable aspirations, creating a sense of collective ownership and commitment.

### **A Forum for Communication**

Many family members who are not active in the business have little or no voice in business matters. Because the business often impacts extended family members financially or emotionally, they can become disenfranchised by a lack of influence or control, leading to serious conflict. The family council provides a forum for communication between the family and the business. It provides all family members an avenue for voicing their concerns and a forum for those running the business to explain their business decisions.

### **An Ownership Policy**

The family council may develop guidelines for owning an interest in the business, addressing who is eligible to own an interest and the type of interest an eligible person may own. For example, the business

may restrict ownership to family members who are active in the business. Conversely, it could allow inactive family members to own only a nonvoting interest. An ownership policy may also define the rights and responsibilities of the owners.

## Avenues for Education and Sharing

One of the most important functions of the family council is to educate family members on the values and traditions of the family business, a foundation to guide the next generation of leaders. Including younger members in council meetings allows them to see how the family operates, learn the proper manner for addressing business matters, and experience the lines that separate family and business matters.

## Conflict Resolution Policies

The family council can be used as a tool to resolve conflict among family members - including real or perceived conflict that is not addressed. The family council can be used as a forum for discussing these issues and determining a mutually agreeable resolution. For example, the council may act as an arbitrator and settle the matter after all sides have been heard. Conversely, the council may act as a facilitator and try to get the affected parties to come to a mutually agreeable resolution.

## Project the Family Image and Promote Goodwill

Many families take a great deal of pride in the image the business

projects in the community. The family council can take a lead role in defining the family's image. This can be particularly important as the business enters the professional stage and is run by non-family members when emphasis tends to shift from family wants to business profits, so it's very important to project and maintain a sense of goodwill in the community.

*Kevin Spafford is the founder of eLegacyConnect which provides succession solutions for farm families.*

*Members of National Sorghum Producers receive a discount for full access to eLegacyConnect. Use membership code 'sorghumgrower' at eLegacyConnect.com. Also visit www.SorghumGrowers.com for more info. !*

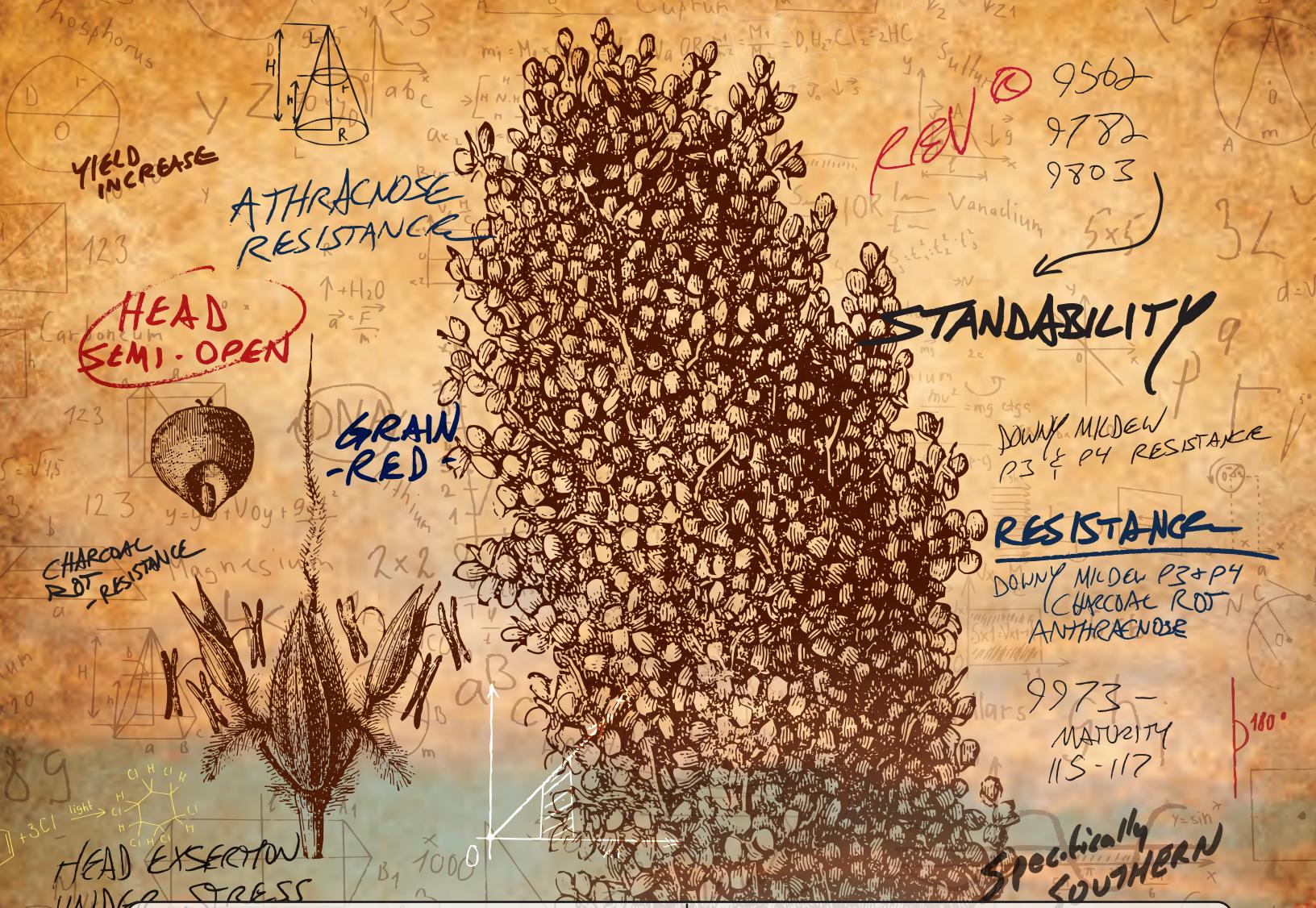


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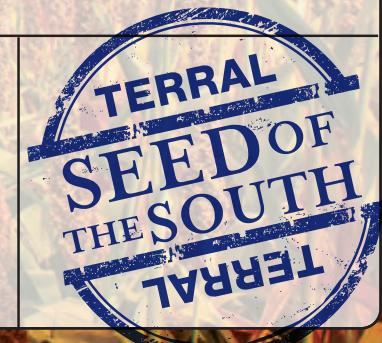
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# National Sorghum Producers

# Yield & Management Contest Results

Each year, National Sorghum Producers highlights the success of sorghum growers from around the country in our annual yield and management contest. Winners will be recognized at Commodity Classic in San Antonio, Texas, Feb. 27-March 1, 2014. For more information on how you can enter next year's yield and management contest, visit [SorghumGrowers.com](http://SorghumGrowers.com).

## NATIONAL WINNERS

**Irrigated Bin Buster Award** **215 bu/ac** | Ki Gamble | Edwards Co., KS | Pioneer 84G62

**Non-Irrigated Bin Buster Award** **186.35 bu/ac** | John Williams | White Co., IL | Pioneer 84G62

**Irrigated Food-Grade Winner** **194.92 bu/ac** | Ki Gamble | Edwards Co., KS | Nusun 345

**Non-Irrigated Food-Grade Winner** **75.43 bu/ac** | Ben Cramer | Lane Co., KS | Sorghum Partners SP3303

### Reduced-Till Irrigated

**1** **215 bu/ac**  
Ki Gamble  
Edwards County, KS  
Pioneer 84G62  
Score 215

**2** **171.03 bu/ac**  
Duane Vorderstrasse  
Harlan County, NE  
Pioneer 84G62  
Score 171.03

**3** **147.82 bu/ac**  
Steven Haywood  
Clay County, AR  
Pioneer 84P80  
Score 147.82

**NOTE.**  
**National**  
**winners are**  
**selected from**  
**state first**  
**place winners**

### No-Till Irrigated

**1** **176.39 bu/ac**  
Gary Resco  
Cloud County, KS  
Pioneer 84P80  
Co. Avg 92.4/Score 83.99

**2** **146.45 bu/ac**  
Ken Schindler & Sons  
Lyman County, S.D.  
DEKALB DKS29-28  
Co. Avg 64.4/Score 82.05

**3** **132.12 bu/ac**  
Lawrence Chappell  
Perquimans, N.C.  
Pioneer 84P80  
Co. Avg 53.0/Score 79.12

### Mulch-Till Non-Irrigated

**1** **175.65 bu/ac**  
Kimberly Gamble  
Kiowa County, KS  
Mycogen 627  
Co. Avg 68.0/Score 107.65

**2** **162.81 bu/ac**  
Bob Shearer  
Lancaster County, PA  
Pioneer 84G62  
Co. Avg 70.6/Score 92.21

**3** **150.39 bu/ac**  
Cody Hoffman  
Lyman County, S.D.  
DEKALB DKS28-05  
Co. Avg 64.4/Score 85.99



### Double Crop Non-Irrigated

**1** **133.66 bu/ac**  
Santino Santini, Jr.  
Warren County, N.J.  
DEKALB DKS36-06  
Co. Avg 70.6/Score 63.06

**2** **154.82 bu/ac**  
Chuck Voss Farms  
Union County, KY  
DEKALB DKS44-20  
Co. Avg 107/Score 47.82

**3** **129.61 bu/ac**  
D&M Farms  
Jackson County, AR  
Pioneer 84G62  
Co. Avg 85/Score 44.61

# NATIONAL WINNERS, *continued*

## Double Crop Irrigated

- 1** **153.42 bu/ac**  
Darrol Miller Farm  
Comanche County, KS  
DEKALB DKS37-07  
Score 153.42
- 2** **122.78 bu/ac**  
Kelvin Ollinger  
Gray County, TX  
DEKALB DKS44-20  
Score 122.78

- 3** **117.37 bu/ac**  
D&M Farms  
Jackson County, AR  
Pioneer 84P80  
Score 117.37



## Conventional-Till Non-Irrigated

- 1** **144.84 bu/ac**  
David Justice  
Cloud County, KS  
Pioneer 84P80  
Co. Avg 37.4/Score 107.44
- 2** **170.45bu/ac**  
Mike Shearer  
Lancaster County, PA  
Pioner 84G62  
Co. Avg 70.6/Score 99.85

- 3** **168.18 bu/ac**  
Robert Santini  
Warren County, N.J.  
DEKALB DKS36-06  
Co. Avg 70.6/Score 97.58

## Conventional-Till Irrigated

- 1** **194.97 bu/ac**  
Eric Parksey  
Lamb County, TX  
Pioneer 85Y40  
Score 194.97
- 2** **193.66 bu/ac**  
Jim Boehlke Bell-Key Farms  
Canyon County, ID  
Pioneer 85Y40  
Score 193.66

- 3** **176.62 bu/ac**  
Taylor Equipment  
Lyman County, S.D.  
DEKALB DKS28-05  
Score 176.62

## STATE WINNERS

State	Place	County	Name	Co. Avg (bu/ac)	Yield (bu/ac)	Score (bu/ac)	Seed Brand	Variety
<b>Reduced-Till Irrigated</b>								
Arkansas	1st	Clay	Steven Haywood	-	147.82	147.82	DuPont Pioneer	84P80
Arkansas	2nd	Independence	D & M Farms	-	94.27	94.27	DuPont Pioneer	84G62
Colorado	1st	Baca	Sunland Enterprises Inc.	-	144.60	144.60	DuPont Pioneer	84G62
Colorado	2nd	Cheyenne	Mike Rother	-	117.44	117.44	DuPont Pioneer	87P06
Kansas	1st	Edwards	Ki Gamble	-	215.00	215.00	DuPont Pioneer	84G62
Kansas	2nd	Kiowa	Tom Taylor Investments	-	193.11	193.11	DEKALB	DKS53-67
Kansas	3rd	Comanche	Darrol Miller Farm, Inc.	169.18	169.18		DEKALB	DKS53-67
Nebraska	1st	Harlan	Duane L. Vorderstrasse	-	171.03	171.03	DuPont Pioneer	84G62
Nebraska	2nd	Hitchcock	Mike Baker	-	149.04	149.04	DuPont Pioneer	84G62
Texas	1st	Lamb	Eric Parkey	-	159.50	159.50	DuPont Pioneer	84G62
Texas	2nd	Hidalgo	George Fike	-	152.92	152.92	DEKALB	DKS53-67

## No-Till Non-Irrigated

Arkansas	1st	Jackson	D & M Farms	85.0	125.50	40.50	DuPont Pioneer	84P80
Colorado	1st	Kit Carson	Jones and Jones Joint Venture	32.0	69.00	37.00	DuPont Pioneer	87P06
Colorado	2nd	Kit Carson	Tim Stahlecker	32.0	51.63	19.63	DEKALB	DKS29-28
Illinois	1st	Hamilton	Justin T. Williams	90.2	165.58	75.38	DuPont Pioneer	84G62
Illinois	2nd	Hamilton	John W. Williams	90.2	162.30	72.10	DuPont Pioneer	84P80
Illinois	3rd	Bond	Jim Stoecklin	70.6	112.76	42.16	DEKALB	DKS44-20
Indiana	1st	Gibson	Will Scott	70.6	137.23	66.63	DEKALB	DKS49-45
Kansas	1st	Cloud	Gary Resco	92.4	176.39	83.99	DuPont Pioneer	84P80

# STATE WINNERS, *continued*

State	Place	County	Name	Co. Avg (bu/ac)	Yield (bu/ac)	Score (bu/ac)	Seed Brand	Variety
Kansas	2nd	Ness	Brenner Bros.	53.8	136.02	82.22	DuPont Pioneer	86G08
Kansas	3rd	Saline	Came Farms, Inc.	69.6	146.93	77.33	DuPont Pioneer	84G62
Kentucky	1st	Union	Chris Robinson Farms	107.0	177.99	70.99	DEKALB	DKS54-03
Missouri	1st	Gasconade	Cody Sassmann	72.1	138.47	66.37	DuPont Pioneer	84G46
Nebraska	1st	Thayer	Mike Fischer	102.6	162.49	59.89	DEKALB	DKS53-67
New Jersey	1st	Warren	Robert Santini	70.6	152.18	81.58	DuPont Pioneer	84G62
North Carolina	1st	Perquimans	Laurence W. Chappell	53.0	132.12	79.12	DuPont Pioneer	84P80
North Carolina	2nd	Union	Southern Pride Farms	70.6	135.36	64.76	DuPont Pioneer	83P17
North Carolina	3rd	Davidson	Billy Bowers	70.6	94.11	23.51	DuPont Pioneer	84P80
Oklahoma	1st	Grady	Josh Longanacre	49.8	122.16	72.36	DuPont Pioneer	85G03
Oklahoma	2nd	Caddo	Bryan Vail	31.4	75.37	43.97	DuPont Pioneer	86G32
South Dakota	1st	Lyman	Ken Schindler & Sons	64.4	146.45	82.05	DEKALB	DKS29-28
South Dakota	2nd	Tripp	Bruce Nielsen	60.7	137.55	76.85	DuPont Pioneer	8925
South Dakota	3rd	Charles Mix	VanZee Ranch & Feedlot	70.6	133.48	62.88	Sorghum Partners	K35Y5
Texas	1st	Lipscomb	Lynn Born - L and L Farms	56.2	108.75	52.55	Channel	5B27
Texas	2nd	Hutchinson	S & P Farms	63.6	103.10	39.50	Channel	6B10
Virginia	1st	King & Queen	C.S. Watkins III	70.6	137.14	66.54	DuPont Pioneer	84G62
Virginia	2nd	King William	Robert Watkins	70.6	134.29	63.69	DuPont Pioneer	84G62
Virginia	3rd	Surry	E. Keith Seward	70.6	104.72	34.12	DuPont Pioneer	82P75

## Mulch-Till Non-Irrigated

Arkansas	1st	Jackson	D & M Farms	85.0	128.38	43.38	DuPont Pioneer	84P80
Illinois	1st	Hamilton	Justin T. Williams	90.2	169.23	79.03	DuPont Pioneer	84G62
Indiana	1st	Gibson	Phil Scott	70.6	140.49	69.89	DEKALB	DKS49-45
Kansas	1st	Kiowa	Kimberly Gamble	68.0	175.65	107.65	Mycogen	627
Kansas	2nd	Comanche	Darrol Miller Farm, Inc.	45.8	118.01	72.21	DEKALB	DKS37-07
Kansas	3rd	Washington	Long Farms Jerry & Sue Long	99.8	151.02	51.22	DuPont Pioneer	84G62
Kentucky	1st	Union	Chris Robinson Farms	107.0	137.27	30.27	DEKALB	DKS54-03
Maryland	1st	Charles	Jack Welch	70.6	88.99	18.39	Seed Consultants	SCG5372
Missouri	1st	New Madrid	Dicky Hanor	83.9	129.66	45.76	DEKALB	DKS54-00
Nebraska	1st	Harlan	Duane L. Vorderstrasse	86.8	140.79	53.99	DuPont Pioneer	84G62
Nebraska	2nd	Nance	Lynn Belitz	70.6	100.24	29.64	DEKALB	DKS37-07
North Carolina	1st	Perquimans	Laurence W. Chappell	53.0	134.79	81.79	DuPont Pioneer	84P80
North Carolina	2nd	Davidson	Billy Bowers	70.6	139.60	69.00	DuPont Pioneer	84P80
Oklahoma	1st	Garfield	Sherwin Ratzlaff	53.0	125.96	72.96	DuPont Pioneer	86G32
Pennsylvania	1st	Lancaster	Bob Shearer	70.6	162.81	92.21	DuPont Pioneer	84G62
South Dakota	1st	Lyman	Cody Hoffman	64.4	150.39	85.99	DEKALB	DKS28-05
South Dakota	2nd	Aurora	Ronald Glissendorf	69.0	135.48	66.48	DEKALB	DKS29-28
Texas	1st	Gray	Kelvin Ollinger	51.5	123.64	72.14	DEKALB	DKS44-20
Texas	2nd	Ochiltree	Sell Grain, Inc.	66.6	68.67	2.07	Golden Acres	H-390W
Virginia	1st	Surry	E. Keith Seward	70.6	84.13	13.53	Pioneer	82P75
West Virginia	1st	Mineral	Louis Miltenberger	70.6	87.77	17.17	DuPont Pioneer	84G62

## Double Crop Non-Irrigated

Arkansas	1st	Jackson	D & M Farms	85.0	129.61	44.61	DuPont Pioneer	84G62
Kentucky	1st	Union	Chuck Voss Farms	107.0	154.82	47.82	DEKALB	DKS54-03
Maryland	1st	Montgomery	William F. Willard Farms	70.6	89.43	18.83	DuPont Pioneer	85Y40
New Jersey	1st	Warren	Santino Santini, Jr.	70.6	133.66	63.06	DEKALB	DKS36-06

# STATE WINNERS, *continued*

State	Place	County	Name	Co. Avg (bu/ac)	Yield (bu/ac)	Score (bu/ac)	Seed Brand	Variety
Oklahoma	1st	Garfield	Sherwin Ratzlaff	53.0	79.76	26.76	DuPont Pioneer	86G32
<b>Double Crop Irrigated</b>								
Arkansas	1st	Jackson	D & M Farms	-	117.37	117.37	DuPont Pioneer	84G62
Kansas	1st	Comanche	Darrol Miller Farm, Inc.	-	153.42	153.42	DEKALB	DKS37-07
Kansas	2nd	Comanche	Bibb and Nighswonger	-	117.47	117.47	DEKALB	DKS29-28
Texas	1st	Gray	Kelvin Ollinger	-	122.78	122.78	DEKALB	DKS44-20
<b>Conventional-Till Non-Irrigated</b>								
Arkansas	1st	Jackson	D & M Farms	85.0	133.49	48.49	DuPont Pioneer	84P80
Florida	1st	Suwannee	B & L Farming, LLC.	70.6	101.67	31.07	DEKALB	DKS54-00
Illinois	1st	Union	McLane Farms	70.6	160.21	89.61	DuPont Pioneer	84G62
Illinois	2nd	White	John W. Williams	126.0	186.35	60.35	DuPont Pioneer	84G62
Illinois	3rd	Hamilton	Justin T. Williams	90.2	146.46	56.26	DuPont Pioneer	84G62
Iowa	1st	Appanoose	Joel Spring	70.6	130.23	59.63	DEKALB	DKS37-07
Kansas	1st	Cherokee	David Justice	37.4	144.84	107.44	DuPont Pioneer	84G62
Kansas	2nd	Cherokee	Jay Justice	37.4	127.37	89.97	DuPont Pioneer	84G62
Kansas	3rd	Saline	Justin Short	69.6	148.55	78.95	DuPont Pioneer	84P80
Maryland	1st	Montgomery	William F. Willard Farms LLC	70.6	122.98	52.38	DuPont Pioneer	85Y40
Missouri	1st	Pemiscot	Chris Mehrle	86.1	144.79	58.69	DuPont Pioneer	84P80
Missouri	2nd	Clinton	Chris Curtis	70.6	129.28	58.68	DuPont Pioneer	84G03
Nebraska	1st	Pawnee	Matthew J. Bloss	90.1	167.71	77.61	DEKALB	DKS53-67
Nebraska	2nd	Thayer	Elmer Holmes	102.6	151.58	48.98	DuPont Pioneer	84P80
New Jersey	1st	Warren	Robert Santini	70.6	168.18	97.58	DEKALB	DKS36-06
New Jersey	2nd	Warren	Jeffrey Barlieb	70.6	130.40	59.80	DEKALB	DKS36-06
North Carolina	1st	Chowan	Towe Eure	54.0	108.96	54.96	DuPont Pioneer	84P80
Oklahoma	1st	Ottawa	Brent Rendel	83.2	133.04	49.84	DEKALB	DKS53-67
Oklahoma	2nd	Texas	Fischer & Fischer	42.1	64.26	22.16	DuPont Pioneer	85Y34
Pennsylvania	1st	Lancaster	Mike Shearer	70.6	170.45	99.85	DuPont Pioneer	84G62
South Dakota	1st	Charles Mix	Dave Knoll	70.6	131.69	61.09	DuPont Pioneer	88Y41
South Dakota	2nd	Charles Mix	Lee A. Linnell	70.6	118.53	47.93	DuPont Pioneer	87P06
Texas	1st	Denton	Lewis Trietsch Farms	35.5	86.07	50.57	Sorghum Partners	NK 4420
Texas	2nd	Calhoun	Williams Farms	82.6	131.33	48.73	DEKALB	DKS53-67
West Virginia	1st	Hardy	Chris Miltenberger	70.6	133.21	62.61	DuPont Pioneer	84G62
<b>Conventional-Till Irrigated</b>								
Arkansas	1st	Cross	Adam Fisher	-	168.04	168.04	DuPont Pioneer	84P80
Arkansas	2nd	Clay	Mark Williams	-	156.25	156.25	DuPont Pioneer	84P80
Arkansas	3rd	Greene	Wade Schimming	-	151.35	151.35	DuPont Pioneer	84P80
Colorado	1st	Baca	Wright Farms	-	123.18	123.18	DuPont Pioneer	84G62
Georgia	1st	Lee	Pete Griffith	-	97.36	97.36	DuPont Pioneer	83P17
Idaho	1st	Canyon	Jim Boehlke Bell-Key Farms	-	193.66	193.66	DuPont Pioneer	85Y40
Kansas	1st	Kiowa	Taylor Equipment	-	176.62	176.62	DEKALB	DKS53-67
Kansas	2nd	Wichita	Galen Berning	-	154.90	154.90	DuPont Pioneer	84G62
Kansas	3rd	Stevens	Gerald Hull	-	145.88	145.88	Sorghum Partners	KS 585/C
Nebraska	1st	Harlan	Scott Jewett	-	134.19	134.19	DuPont Pioneer	84P80
Texas	1st	Lamb	Eric Parkey	-	194.97	194.97	DuPont Pioneer	85Y40
Texas	2nd	Medina	Bryce Britsch	-	169.17	169.17	DEKALB	DKS53-67
Texas	3rd	Lubbock	Alan & Amy West Farms	-	164.10	164.10	DuPont Pioneer	84G62

# 2013

## STATE GRAIN SORGHUM HYBRID YIELD PERFORMANCE RESULTS

As planting season rolls around, find out which grain sorghum hybrids performed the best in your region with our collection of 2013 state grain sorghum hybrid yield performance results from 12 states stretching across the Sorghum Belt.

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# ARKANSAS 2013 Grain Sorghum Hybrid Performance Results

University of Arkansas Extension

## Preliminary Yield Results

Hybrid Name	Keiser Irrigated	Keiser Non-Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Rohwer Non-Irrigated	Average
bu/A							
BH 3822	145.7	125.1	135.3	163.0	141.0	137.1	141.2
BH 5566	126.4	113.2	132.9	121.6	134.7	129.5	126.4
DEKALB DKS51-01	159.7	111.8	151.4	156.9	140.0	138.4	143.0
DEKALB DKS53-67	146.7	115.9	148.1	162.9	145.3	148.3	144.5
Dyna-Gro 765B	146.5	113.3	134.4	172.6	145.2	129.1	140.2
Dyna-Gro GX13661	123.0	97.3	141.3	156.0	133.4	112.6	127.2
Dyna-Gro M75GB39	119.6	115.5	128.1	112.7	115.5	119.5	118.5
Dyna-Gro M77GB52	119.7	103.8	141.4	143.5	110.3	120.5	123.2
Gayland Ward GW 9480	129.8	107.1	143.2	136.1	120.4	111.3	124.6
Golden Acres 5556	122.3	109.7	128.1	104.5	117.6	126.0	118.0
Golden Acres 5613	126.9	109.3	143.8	137.9	122.7	128.3	128.2
Pioneer 83P17	158.9	101.4	142.1	165.3	123.6	123.6	135.8
Pioneer 83P99	141.6	133.3	149.7	176.7	149.4	154.4	150.9
Pioneer 84G62	140.9	120.4	152.7	152.6	140.1	144.4	141.9
Pioneer 84P80	141.2	126.0	151.0	170.4	142.1	140.1	145.1
REV RV9562	115.4	106.1	134.1	148.2	114.5	108.2	121.1
REV RV9782	132.3	113.3	141.7	127.4	141.6	140.7	132.8
REV RV9794	141.2	121.6	142.9	161.8	139.4	124.2	138.5
REV RV9803	125.8	98.8	133.9	140.9	122.6	131.9	125.6
REV RV9823	135.5	96.6	132.2	136.5	131.0	129.2	126.8
REV RV9883	125.2	115.8	142.2	148.0	136.9	123.7	132.0
REV RV9924	131.7	116.3	143.7	156.3	122.2	121.4	131.9
REV RV9973	132.5	120.8	144.9	149.2	128.6	132.4	134.7
Triumph TR481	133.0	107.3	121.1	137.9	133.0	127.5	126.6
Triumph TRX15401	146.8	127.1	154.7	179.2	111.2	120.9	140.0
<b>GRAND MEAN</b>	<b>134.7</b>	<b>113.1</b>	<b>140.6</b>	<b>148.7</b>	<b>130.5</b>	<b>128.9</b>	<b>132.7</b>
<b>LSD (5%)</b>	<b>12.4</b>	<b>16.1</b>	<b>10.4</b>	<b>11.7</b>	<b>12.9</b>	<b>9.0</b>	-
<b>C.V.</b>	<b>7.8</b>	<b>10.4</b>	<b>6.3</b>	<b>6.7</b>	<b>8.4</b>	<b>5.9</b>	-

## [national sorghum producers Industry Partner Program]



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# COLORADO 2013 Grain Sorghum Hybrid Performance Results

Colorado State University Extension

## Brandon - Dryland

Hybrid	Brand	Yield (bu/A) <sup>1</sup>	Yield % of Trial Avg	TW (lb/bu)	Lodging %	Harvest Plants/A	Plant Height (in)	50% Bloom	GDD <sup>2</sup>	50% Mature <sup>3</sup>	Maturity Group <sup>4</sup>
DEKALB	DKS29-28	24.2	166	58	0	25,800	36	70	1793	106	E
Advanta	AG1202	21.5	147	59	11	28,900	40	69	1768	105	E
Mycogen	1G557	18.1	124	58	2	28,700	30	70	1793	106	E
Triumph	TR424	17.9	123	59	2	24,000	41	71	1819	107	E
Advanta	AG1101	17.4	119	57	1	20,700	33	71	1819	107	E
AERC Inc.	CGSH-28	16.3	112	58	4	21,900	45	68	1744	104	E
DEKALB	DKS28-05	12.2	84	57	16	25,400	41	71	1819	107	E
Advanta	AG1201	16.7	114	57	1	24,200	32	80	2064	114	ME
Richardson Seeds	0413	15.2	104	56	0	23,200	38	85	2195	117	ME
Richardson Seeds	92123	14.9	102	57	1	25,200	32	81	2093	115	ME
Richardson Seeds	96173	13.9	95	56	1	24,200	45	86	2224	117	ME
Triumph	TR438	13.4	92	57	1	28,100	42	82	2143	115	ME
Richardson Seeds	10413	12.3	84	57	0	27,300	42	83	2143	117	ME
Mycogen	E32294	10.8	74	57	1	29,400	33	80	2064	115	ME
Richardson Seeds	50113	5.1	35	54	1	29,200	41	90	2361	ED	M
Richardson Seeds	06173	3.5	24	53	0	27,100	34	92	2386	ED	M
<b>Average</b>	<b>14.6</b>	-	<b>57</b>	<b>3</b>		<b>25,831</b>	<b>38</b>	<b>78</b>	<b>2014</b>	<b>111</b>	-
<sup>5</sup> LSD (P<0.20)	<b>8.6</b>	-	-	<b>3</b>	-	-	-	-	-	-	-

Notes: <sup>1</sup>Yields corrected to 14% moisture. <sup>2</sup> GDD: Growing degree-days to 50% bloom date. <sup>3</sup> Maturity Group: E=early; ME=medium-early; M=medium. <sup>4</sup> Days after planting to reach maturity or growth stage at first freeze. ED=Early dough stage. <sup>5</sup>If the difference between the yield of two varieties equals or exceeds the LSD value, there is an 80% chance the difference is significant. Site collaborator: Burl Scherler. Planting date: June 10, 2013. Harvest date: October 28, 2013. Authors: Courtney Jahn, Kevin Larson, Sally Sauer, Marie Turner, Jim Hain, Brett Pettinger and Jerry Johnson.



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# KANSAS

## Northeast Region (Dryland) – Manhattan – Riley County

Hybrid	Brand	Yield (bu/A)	PAVG %	TW (lb/bu)	Moisture %	Days (bloom)	PHT (ft)	Bird Damage %	Heads/Plant	Stand %	Plants/A
Advanta	AG2101	119	89	58	24	67	4	23	1	113	65253
Advanta	AG2103	133	99	59	21	64	4	11	1	97	56105
Advanta	AG2102	150	112	59	22	67	4	16	1	103	59764
Advanta	AG2104	131	98	60	20	58	4	16	1	94	54276
Advanta	AG2115	132	99	60	19	62	4	11	1	114	65558
Advanta	XG1213	146	110	59	23	68	5	11	1	81	46500
Dekalb	DKS38-88	129	97	61	19	64	4	28	1	94	56708
Dekalb	DKS44-20	143	107	58	28	68	4	5	1	73	42384
Dekalb	DKS51-01	130	97	60	22	69	5	11	1	97	55800
Dekalb	DKS53-67	131	98	59	22	69	4	24	1	109	62814
Gayland Ward	GW9417	137	102	60	19	69	5	28	1	92	52904
Golden Acres	5613	112	84	61	16	67	5	25	1	89	53985
Golden Acres	GA 3545	136	102	60	19	68	4	8	1	102	58697
Golden Acres	GA 5556	133	100	58	25	64	4	33	1	102	58850
Maturity Check	EARLY	122	91	60	21	61	4	10	1	99	57173
Maturity Check	LATE	134	100	59	21	69	4	16	1	106	61136
Maturity Check	MEDIUM	146	109	60	22	61	4	8	1	100	57630
Mycogen	697	140	105	60	20	68	4	14	1	94	54276
Mycogen	737	120	90	60	19	65	4	16	1	98	56563
Pioneer	84G62	154	115	60	21	68	4	11	1	98	56868
Pioneer	84P80	141	105	59	21	68	4	21	1	91	52751
Pioneer	85G03	129	97	59	21	64	5	8	1	97	56105
Pioneer	85Y40	139	104	60	21	68	5	21	1	106	61441
Richardson	0413	128	96	59	21	68	5	15	1	98	56563
Richardson	06173	144	108	59	22	74	6	16	1	114	65558
Richardson	50113	128	96	60	21	71	4	11	1	98	56410
Richardson	68653	132	99	59	25	74	5	28	1	74	42689
Richardson	92123	121	90	60	19	65	4	28	1	81	46958
Richardson	96173	134	100	59	22	69	5	14	1	78	47241
<b>Average</b>		<b>134</b>	<b>100</b>	<b>60</b>	<b>21</b>	<b>67</b>	<b>4</b>	<b>17</b>	<b>1</b>	<b>96</b>	<b>55826</b>
<b>CV (%)</b>		<b>8</b>	<b>8</b>	<b>2</b>	<b>15</b>	<b>2</b>	<b>2</b>	-	<b>4</b>	<b>5</b>	<b>6</b>
<b>LSD (0.05)</b>		<b>16</b>	<b>12</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>7</b>	<b>4824</b>

## Central Region (Dryland) – Assaria – Saline County

Hybrid	Brand	Yield (bu/A)	PAVG %	TW (lb/bu)	Moisture %	Height (in)	Bird Damage %	Stand %	Heads/Plant	Plants/A
DEKALB	DKS37-07	118	95	59	20	4	30	117	1	46900
DEKALB	DKS38-88	114	92	59	21	4	24	116	1	46464
DEKALB	DKS44-20	109	88	60	22	4	14	90	1	36155
DEKALB	DKS53-67	144	117	58	24	4	2	117	1	46900
Maturity Check	Early	114	92	56	22	4	31	102	1	40656
Maturity Check	Late	137	111	58	26	4	2	110	1	43850
Maturity Check	Medium	115	93	59	20	4	29	112	1	44867
Mycogen	697	110	89	57	21	4	6	108	1	43270
Mycogen	737	113	92	59	19	3	21	128	1	51256
DuPont Pioneer	84G62	139	112	58	27	4	8	86	2	34412

# KANSAS

## Central Region (Dryland) – Assaria – Saline County, continued

DuPont Pioneer	84P80	144	116	58	25	4	4	114	1	45738
DuPont Pioneer	85G03	122	99	59	25	4	31	92	2	36881
DuPont Pioneer	85Y40	128	103	59	24	4	16	101	1	40511
	<b>Average</b>	<b>124</b>	<b>100</b>	<b>58</b>	<b>23</b>	<b>4</b>	<b>17</b>	<b>107</b>	<b>1</b>	<b>42912</b>
	<b>CV (%)</b>	<b>6</b>	<b>6</b>	<b>1</b>	<b>7</b>	<b>3</b>	<b>-</b>	<b>9</b>	<b>-</b>	<b>9</b>
	<b>LSD (0.05)</b>	<b>11</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>15</b>	<b>0</b>	<b>5810</b>

## Central Region (Dryland) – Hutchinson – Reno County

Hybrid	Brand	Yield (bu/A)	PAVG %	TW (lb/bu)	Moisture %	Stand %	Plants/A
Advanta	AG2101	100	103	55	15	115	34558
Advanta	AG2103	97	100	57	15	92	27588
Advanta	AG2102	107	110	56	14	115	34558
Advanta	AG2104	76	79	56	15	88	26426
Advanta	AG2115	94	98	56	15	132	39494
Advanta	XG1213	101	104	59	15	80	24103
B-H Genetics	BH 3822	97	100	58	16	123	36881
B-H Genetics	BH 5224	107	110	56	15	114	34267
B-H Genetics	BH 5350	76	79	54	14	114	34267
B-H Genetics	X13003	77	80	56	14	91	27298
B-H Genetics	X13014	102	105	59	16	104	31073
DeKalb	DKS37-07	93	96	58	15	131	39204
DeKalb	DKS38-88	100	103	58	16	127	38042
DeKalb	DKS44-20	99	103	60	15	95	28459
DeKalb	DKS53-67	119	123	59	16	119	35719
Maturity Check	EARLY	79	81	58	16	99	29621
Maturity Check	LATE	117	121	59	16	114	34267
Maturity Check	MEDIUM	89	92	60	16	89	26717
Mycogen	697	100	104	58	15	100	29911
Mycogen	737	105	109	57	14	92	27588
	<b>Average</b>	<b>97</b>	<b>100</b>	<b>57</b>	<b>15</b>	<b>107</b>	<b>32002</b>
	<b>CV (%)</b>	<b>11</b>	<b>11</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>0</b>
	<b>LSD (0.05)</b>	<b>15</b>	<b>15</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>

## West Region (Dryland) – Hays – Ellis County

Hybrid	Brand	Yield (bu/A)	PAVG %	TW (lb/bu)	Moisture %	Days (Bloom)	Height (in)	Lodge %	Plants/A
DEKALB	DKS26-60	33	48	55	14	62	26	0	34667
DEKALB	DKS28-05	61	90	58	11	64	33	2	34213
DEKALB	DKS37-07	73	108	59	13	73	43	6	34848
DEKALB	DKS38-88	58	86	58	13	77	44	3	34576
DEKALB	DKS44-20	59	87	60	12	76	39	6	33759
Gayland Ward Seed	GW9417	63	93	58	13	81	44	18	34576
Gayland Ward Seed	EXP 8017	51	75	59	15	82	46	15	34757
Gayland Ward Seed	EXP 9058	74	109	57	15	81	43	6	34031
Gayland Ward Seed	EXP 9059	56	83	58	14	84	43	9	34848
Maturity Check	EARLY	69	102	57	14	76	42	5	34757
Maturity Check	LATE	86	128	60	17	85	41	2	34757
Maturity Check	MEDIUM	60	89	59	13	74	39	8	34576
Mycogen	697	81	120	57	14	80	40	3	34848

# KANSAS

## West Region (Dryland) – Hays– Ellis County. continued

Mycogen	737	73	107	58	12	75	38	3	34848
DuPont Pioneer	84G62	73	109	58	17	86	41	2	34667
DuPont Pioneer	84P80	84	124	59	16	85	40	0	34667
DuPont Pioneer	85G03	75	112	59	13	77	38	5	34031
DuPont Pioneer	85Y40	88	130	60	14	80	39	2	34576
Polansky	EXP 121	60	88	56	12	76	37	6	33941
Polansky	EXP 141	76	112	58	14	84	38	2	32942
<b>Average</b>		<b>68</b>	<b>100</b>	<b>58</b>	<b>14</b>	<b>78</b>	<b>40</b>	<b>5</b>	<b>34444</b>
<b>CV (%)</b>		<b>13</b>	<b>13</b>	<b>3</b>	<b>9</b>	<b>3</b>	<b>9</b>	--	<b>3</b>
<b>LSD (0.05)</b>		<b>12</b>	<b>18</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>8</b>	<b>1405</b>

## West Region (Dryland) – Colby– Thomas County

Hybrid	Brand	Yield (bu/A)	PAVG %	TW (lb/bu)	Moisture %	Days (Bloom)	Height (in)	Stand %	Heads/Plant	Plants/A
Advanta	AG2101	37	96	53	17	80	38	100	1	27878
Advanta	AG1201	43	110	51	12	70	34	87	1	24394
Advanta	AG1401	37	95	53	13	73	37	91	1	25374
Advanta	AG2104	32	82	53	13	78	37	96	1	26789
Advanta	AG2115	30	77	54	14	80	40	97	1	27116
Advanta	XG1213	39	101	53	16	78	40	76	1	21236
DEKALB	DKS26-60	45	116	54	12	60	32	95	1	26681
DEKALB	DKS28-05	50	128	50	11	68	35	93	1	25918
DEKALB	DKS37-07	40	103	51	12	74	36	93	1	26027
DEKALB	DKS38-88	46	118	50	13	73	39	94	1	26354
DEKALB	DKS44-20	44	114	54	13	74	40	92	1	25700
Maturity Check	EARLY	42	108	52	14	75	37	95	1	26572
Maturity Check	LATE	28	71	54	20	85	38	102	1	28532
Maturity Check	MEDIUM	33	84	51	13	74	38	98	1	27443
Mycogen	697	33	85	51	15	81	39	90	1	25156
Mycogen	737	40	104	52	13	78	39	90	1	25156
DuPont Pioneer	84G62	27	70	53	17	79	37	92	1	25700
DuPont Pioneer	84P80	38	97	55	18	78	39	92	1	25700
DuPont Pioneer	85G03	34	87	55	17	83	37	99	1	27661
DuPont Pioneer	85Y40	38	97	54	14	75	37	96	1	26789
DuPont Pioneer	86G08	47	122	54	13	70	38	103	1	28967
DuPont Pioneer	86G32	56	146	55	13	70	39	77	1	28127
DuPont Pioneer	87P06	53	137	52	12	68	36	100	1	27987
Richardson Seed	0413	49	127	50	14	77	38	88	1	24720
Richardson Seed	06173	32	82	54	17	81	39	100	1	28096
Richardson Seed	50113	34	88	53	14	82	38	99	1	27661
Richardson Seed	68653	30	78	50	16	80	39	82	1	22978
Richardson Seed	92123	34	87	54	14	79	39	76	1	21344
Richardson Seed	96173	35	89	53	14	75	38	82	1	22978
<b>Average</b>		<b>39</b>	<b>100</b>	<b>53</b>	<b>14</b>	<b>76</b>	<b>37</b>	<b>92</b>	<b>1</b>	<b>26036</b>
<b>CV (%)</b>		<b>12</b>	<b>12</b>	<b>3</b>	<b>6</b>	<b>4</b>	-	-	-	<b>9</b>
<b>LSD (0.05)</b>		<b>7</b>	<b>17</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>16</b>	<b>0</b>	<b>3144</b>

# KANSAS

## West Region (Dryland) – Tribune – Greeley County

Hybrid	Brand	Yield (bu/A)	PAVG %	TW (lb/bu)	Moisture %	Days (Bloom)	Height (in)	Stand %	Heads/Plant	Plants/A
B-H Genetics	BH 3808	126	101	54	15	82	45	115	1	40225
B-H Genetics	BH 5224	142	114	56	14	77	48	125	1	43832
B-H Genetics	X13001	122	97	56	13	75	48	92	2	32126
B-H Genetics	X13013	88	70	57	13	60	43	98	2	34372
B-H Genetics	X13016	84	67	56	14	63	46	75	2	26136
Channel	5C35	110	88	57	12	67	43	128	2	44649
Channel	6B13	116	92	53	15	77	52	101	2	35393
Channel	6B50	118	94	54	15	83	46	123	1	42947
Channel	6B85	138	110	55	15	87	49	125	2	43764
DEKALB	DKS26-60	102	81	57	13	63	39	118	1	41314
DEKALB	DKS28-05	118	94	57	13	67	44	118	2	41450
DEKALB	DKS37-07	136	109	54	15	77	48	125	1	43628
DEKALB	DKS38-88	145	116	54	15	76	51	116	2	40633
DEKALB	DKS44-20	125	100	55	15	78	49	109	1	38319
Maturity Check	EARLY	137	110	54	15	78	50	131	1	45738
Maturity Check	LATE	140	112	53	15	89	52	114	2	39817
Maturity Check	MEDIUM	132	105	55	14	76	48	129	1	45262
Mycogen	697	122	97	53	16	86	47	91	1	31717
Mycogen	737	128	103	54	15	84	45	106	1	37162
DuPont Pioneer	85G03	137	110	53	15	86	48	117	2	40974
DuPont Pioneer	85Y40	145	116	54	15	83	46	118	1	41178
DuPont Pioneer	86G08	133	106	56	14	70	44	109	2	38183
DuPont Pioneer	86G32	140	112	56	14	70	46	116	2	40429
DuPont Pioneer	87P06	118	94	57	13	68	43	112	2	39272
<b>Average</b>		<b>125</b>	<b>100</b>	<b>55</b>	<b>14</b>	<b>76</b>	<b>47</b>	<b>113</b>	<b>2</b>	<b>39522</b>
<b>CV (%)</b>		<b>8</b>	<b>8</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>8</b>	<b>7</b>	<b>8</b>
<b>LSD (0.05)</b>		<b>13</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>4725</b>

## West Region (Dryland) – Garden City – Finney County

Hybrid	Brand	Yield (bu/A)	PAVG %	TW (lb/bu)	Moisture %	Days (Bloom)	Height (in)	Stand %	Plants/A
B-H Genetics	BH 3808	94	128	58	16	70	48	90	16236
B-H Genetics	BH 5224	75	101	58	16	66	50	94	16830
B-H Genetics	X13001	56	77	58	15	63	50	75	13563
B-H Genetics	X13013	34	46	55	15	47	42	101	18216
B-H Genetics	X13016	31	42	56	16	55	46	80	14454
DEKALB	DKS26-60	31	42	57	15	52	38	92	16533
DEKALB	DKS28-05	57	78	57	15	58	43	98	17721
DEKALB	DKS37-07	77	105	58	16	65	50	97	17424
DEKALB	DKS38-88	72	97	58	16	67	52	101	18117
DEKALB	DKS44-20	75	101	59	16	68	51	91	16335
Gayland Ward	GW9417	77	105	59	17	73	52	91	16434
Gayland Ward Seed	EXP 8016	100	136	57	17	76	53	76	13662
Gayland Ward Seed	EXP 8017	66	89	59	18	70	52	84	15147
Gayland Ward Seed	EXP 8019	92	126	57	17	76	50	95	17127
Gayland Ward Seed	EXP 8022	106	144	58	17	82	52	96	17325
Gayland Ward Seed	EXP 9010	74	100	57	16	73	51	92	16632

# KANSAS

## West Region (Dryland) – Garden City – Finney County, continued

Gayland Ward Seed	EXP 9011	52	71	59	17	69	53	93	16731
Gayland Ward Seed	EXP 9031	108	147	57	18	78	51	100	17919
Gayland Ward Seed	EXP 9058	85	116	59	16	70	51	85	15345
Gayland Ward Seed	GW9320	100	136	59	17	77	53	79	14256
Gayland Ward Seed	GW9480	49	66	59	17	69	54	84	15048
Maturity Check	Early	72	98	57	16	66	50	93	16731
Maturity Check	Late (Dks53-67)	117	159	60	19	76	51	102	18414
Maturity Check	Medium	69	94	58	16	67	50	100	18018
Mycogen	697	78	105	58	17	70	49	90	16236
Mycogen	737	74	101	58	16	68	46	93	16731
DuPont Pioneer	85G03	91	123	59	17	68	50	95	17028
DuPont Pioneer	85Y40	80	109	59	17	68	49	95	17127
DuPont Pioneer	86G08	65	88	58	16	59	49	89	15939
DuPont Pioneer	86G32	69	94	57	17	57	49	94	16830
DuPont Pioneer	87P06	68	93	58	15	57	47	101	18216
Richardson Seed	0413	67	90	57	16	67	48	91	16434
Richardson Seed	06173	103	140	58	18	80	56	99	17820
Richardson Seed	50113	40	54	59	17	73	49	89	16038
Richardson Seed	68653	84	114	56	18	77	59	83	14850
Richardson Seed	92123	52	71	58	15	66	50	87	15741
Richardson Seed	96173	83	113	58	18	78	53	88	15840
<b>Average</b>		<b>74</b>	<b>100</b>	<b>58</b>	<b>16</b>	<b>68</b>	<b>50</b>	<b>91</b>	<b>16461</b>
<b>CV (%)</b>		<b>11</b>	<b>11</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>7</b>	<b>7</b>
<b>LSD (0.05)</b>		<b>11</b>	<b>15</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>9</b>	<b>1596</b>

## West Region (Irrigated) – Colby – Thomas County

Hybrid	Brand	Yield (bu/A)	PAVG %	TW (lb/bu)	Moisture %	Days (Bloom)	Height (in)	Stand %	Plants/A
DEKALB	DKS49-45	170	101	58	15	73	58	85	76775
DEKALB	DKS51-01	172	103	60	15	70	60	86	77319
DEKALB	DKS53-67	183	109	59	17	74	59	95	85051
DEKALB	DKS54-00	174	104	58	16	74	58	94	84833
Gayland Ward Seed	EXP 8016	173	103	60	16	73	60	81	72854
Gayland Ward Seed	EXP 9010	170	102	59	14	73	59	85	76448
Gayland Ward Seed	EXP 9058	166	99	59	16	73	59	88	79388
Gayland Ward Seed	EXP 9059	174	104	59	16	75	59	85	76775
Golden Acres	GA 3545	168	100	59	16	72	59	84	76012
Golden Acres	GA 3696	189	113	59	15	73	59	81	73290
Golden Acres	GA 5556	165	98	59	14	70	59	86	77101
Maturity Check	EARLY	174	104	59	15	66	59	91	82002
Maturity Check	LATE	183	109	60	17	74	60	96	86467
Maturity Check	MEDIUM	170	101	60	15	65	60	96	86140
Mycogen	697	149	89	57	16	73	57	78	70241
Mycogen	737	161	96	57	14	72	57	79	71547
DuPont Pioneer	84G62	187	112	60	16	75	60	96	86249
DuPont Pioneer	84P80	185	110	59	16	74	59	92	82982
DuPont Pioneer	85G03	192	114	59	15	72	59	90	81239
DuPont Pioneer	85Y40	175	104	59	15	71	59	88	78844

# KANSAS

## West Region (Irrigated) – Colby– Thomas County, continued

DuPont Pioneer	86G08	151	90	60	14	62	60	91	81893
DuPont Pioneer	86G32	165	99	59	13	63	59	94	84289
DuPont Pioneer	87P06	142	85	59	13	60	59	95	85160
Richardson Seed	0413	162	97	57	14	73	57	83	74270
Richardson Seed	06173	179	107	57	16	77	57	91	82111
Richardson Seed	50113	129	77	60	15	74	60	74	66429
Richardson Seed	68653	174	104	57	18	75	57	66	59786
Richardson Seed	92123	161	96	60	13	71	60	66	59677
Richardson Seed	96173	176	105	58	17	76	58	66	59568
Triumph	TR 424	131	78	57	12	59	57	90	80695
Triumph	TR 438	141	84	59	12	65	59	91	81675
Triumph	TR 457	158	94	57	14	73	57	70	63271
Triumph	TR 4941	183	109	58	15	73	58	79	70785
Triumph	TR 4951	167	100	58	15	74	58	69	61746
Triumph	TRX 85131	167	100	56	17	73	56	87	78299
<b>Average</b>		<b>168</b>	<b>100</b>	<b>59</b>	<b>15</b>	<b>71</b>	<b>54</b>	<b>85</b>	<b>76320</b>
<b>CV (%)</b>		<b>7</b>	<b>7</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>7</b>	<b>7</b>	<b>7</b>
<b>LSD (0.05)</b>		<b>15</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>7224</b>

## West Region (Irrigated) – Garden City– Finney County

Hybrid	Brand	Yield (bu/A)	PAVG %	TW (lb/bu)	Moisture %	Days (Bloom)	Height (in)	Stand %	Plants/A
Advanta	AG2101	97	91	59	15	64	50	107	53361
Advanta	AG2103	110	103	60	15	64	51	109	54648
Advanta	AG3101	123	115	61	16	67	59	108	53757
Advanta	AG2102	108	101	58	14	61	48	113	56331
Advanta	AG2104	100	94	58	15	68	48	105	52470
Advanta	AG2115	107	100	58	15	67	50	101	50589
Advanta	AG3201	128	120	59	16	63	51	107	53262
Advanta	XG1213	97	91	59	16	67	52	90	45045
B-H Genetics	BH 3822	112	105	59	16	63	51	106	53064
B-H Genetics	BH 5224	85	80	60	15	61	53	108	54054
B-H Genetics	BH 5350	98	92	58	14	64	48	117	58707
B-H Genetics	BH 5566	110	103	59	15	65	53	103	51579
B-H Genetics	X13003	93	87	59	14	60	55	99	49599
B-H Genetics	X13014	96	90	59	15	62	53	97	48609
DEKALB	DKS49-45	116	109	59	15	68	57	108	54054
DEKALB	DKS51-01	105	98	60	15	63	56	94	47025
DEKALB	DKS53-67	119	111	60	16	72	55	108	53856
DEKALB	DKS54-00	108	102	56	17	76	59	108	53955
Golden Acres	5515	107	100	58	15	69	51	101	50688
Golden Acres	5613	103	97	60	15	60	51	105	52371
Golden Acres	GA 3545	103	96	59	15	65	53	113	56529
Maturity Check	Early	101	95	58	16	61	53	107	53361
Maturity Check	Late	134	125	60	17	72	56	108	54153
Maturity Check	Medium	100	94	58	15	62	52	100	50094
MYCOGEN	697	100	94	59	16	68	52	102	50886
MYCOGEN	737	106	99	59	15	61	49	104	51975

# KANSAS

## West Region (Irrigated) – Garden City – Finney County, continued

DuPont Pioneer	84G62	122	114	60	15	67	53	111	55440
DuPont Pioneer	84P80	125	117	60	16	66	53	107	53658
DuPont Pioneer	85G03	112	105	58	17	61	51	100	49797
DuPont Pioneer	85Y40	121	113	60	16	60	50	112	56034
Richardson Seed	0413	96	90	57	15	64	55	98	49104
Richardson Seed	06173	116	109	57	19	70	64	97	48510
Richardson Seed	50113	80	75	59	16	68	52	94	47223
Richardson Seed	68653	118	110	56	18	74	63	86	42867
Richardson Seed	92123	101	95	59	15	62	53	86	43164
Richardson Seed	96173	119	111	58	17	71	60	88	44154
Triumph	TR 438	92	86	59	14	62	52	106	52866
Triumph	TR 448	85	80	61	15	62	48	87	43461
Triumph	TR 457	99	93	59	15	66	49	83	41679
Triumph	TR 4941	123	116	59	16	63	52	100	49995
Triumph	TR 4951	95	89	58	15	70	56	80	39897
Triumph	TRX 85131	111	104	57	16	66	52	106	52866
<b>Average</b>		<b>107</b>	<b>100</b>	<b>59</b>	<b>16</b>	<b>65</b>	<b>53</b>	<b>102</b>	<b>50827</b>
<b>CV (%)</b>		<b>7</b>	<b>7</b>	<b>1</b>	<b>6</b>	<b>3</b>	<b>3</b>	-	<b>7</b>
<b>LSD (0.05)</b>		<b>11</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>10</b>	<b>5084</b>

## West Region (Irrigated) – Tribune – Greeley County

Hybrid	Brand	Yield (bu/A)	PAVG %	TW (lb/bu)	Moisture %	Days (Bloom)	Height (in)	Stand %	Heads/Plant	Plants/A
B-H Genetics	BH 3808	126	101	54	15	82	45	115	1	40225
B-H Genetics	BH 5224	142	114	56	14	77	48	125	1	43832
B-H Genetics	X13001	122	97	56	13	75	48	92	2	32126
B-H Genetics	X13013	88	70	57	13	60	43	98	2	34372
B-H Genetics	X13016	84	67	56	14	63	46	75	2	26136
Channel	5C35	110	88	57	12	67	43	128	2	44649
Channel	6B13	116	92	53	15	77	52	101	2	35393
Channel	6B50	118	94	54	15	83	46	123	1	42947
Channel	6B85	138	110	55	15	87	49	125	2	43764
DEKALB	DKS26-60	102	81	57	13	63	39	118	1	41314
DEKALB	DKS28-05	118	94	57	13	67	44	118	2	41450
DEKALB	DKS37-07	136	109	54	15	77	48	125	1	43628
DEKALB	DKS38-88	145	116	54	15	76	51	116	2	40633
DEKALB	DKS44-20	125	100	55	15	78	49	109	1	38319
Mycogen	697	122	97	53	16	86	47	91	1	31717
Mycogen	737	128	103	54	15	84	45	106	1	37162
DuPont Pioneer	85G03	137	110	53	15	86	48	117	2	40974
DuPont Pioneer	85Y40	145	116	54	15	83	46	118	1	41178
DuPont Pioneer	86G08	133	106	56	14	70	44	109	2	38183
DuPont Pioneer	86G32	140	112	56	14	70	46	116	2	40429
DuPont Pioneer	87P06	118	94	57	13	68	43	112	2	39272
<b>Average</b>		<b>125</b>	<b>100</b>	<b>55</b>	<b>14</b>	<b>76</b>	<b>47</b>	<b>113</b>	<b>2</b>	<b>39522</b>
<b>CV (%)</b>		<b>8</b>	<b>8</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>8</b>	<b>7</b>	<b>8</b>
<b>LSD (0.05)</b>		<b>13</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>4725</b>



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# LOUISIANA 2013 Grain Sorghum Hybrid Performance Results

LSU AgCenter Research and Extension

## Preliminary Yield Results

Hybrid Name	Alexandria			Crowley		St. Joseph (Commerce Silt Loam)		St. Joseph (Sharkey Clay)		Bossier City	Winnsboro	Average
	Planting Dates	April 9	April 29	March 21	April 23	April 18	May 14	April 9	May 17	April 22	April 17	
lbs/A												
Pioneer 83P17		6,725	6,507	6,657	5,408	6,631	.	7,179	4,972	7,982	5,355	6,380
Pioneer 84G62		7,884	6,102	5,660	5,954	6,593	6,160	7,719	6,878	7,221	6,122	6,629
Pioneer 84P80		6,978	5,960	5,310	6,132	7,357	5,599	7,165	5,978	7,617	6,078	6,417
GA 5613		6,509	5,207	4,252	5,971	6,207	5,221	6,384	6,400	6,963	5,306	5,842
DEKALB DKS51-01		6,849	6,473	6,187	5,482	6,370	.	7,257	5,658	7,381	5,903	6,396
DEKALB DKS53-67		6,428	5,572	5,736	6,226	6,806	3,766	6,848	7,133	6,819	6,361	6,170
Dyna-Gro 765B		6,913	6,334	5,898	5,223	5,634	.	7,147	5,812	7,931	5,705	6,289
Dyna-Gro 766B		6,681	5,487	4,596	5,342	6,124	5,067	6,330	6,085	6,819	4,861	5,739
Dyna-Gro 771B		6,059	5,948	5,564	4,989	6,478	6,095	6,510	5,088	7,039	6,084	5,985
Dyna-Gro M77GB52		6,116	5,445	5,795	5,595	5,661	4,576	6,219	5,387	6,345	5,476	5,662
Dyna-Gro M75GB39		6,445	5,435	4,924	5,928	6,462	6,277	6,710	6,712	7,049	4,871	6,081
REV RV9562		5,627	6,134	5,141	5,647	7,197	5,621	6,863	6,802	7,239	4,873	6,114
REV RV9782		6,664	5,520	6,227	6,056	6,773	6,264	7,045	6,625	6,903	5,816	6,389
REV RV9794		6,348	6,036	4,882	5,155	6,180	4,172	6,696	5,867	7,344	4,690	5,737
REV RV9803		5,027	4,972	4,528	5,893	5,277	5,177	5,741	5,452	7,228	5,576	5,487
REV RV9823		5,913	6,179	5,418	5,608	6,290	6,230	6,358	5,949	7,348	4,210	5,950
REV RV9883		6,504	5,631	4,938	5,889	5,634	5,623	6,584	6,051	7,472	5,351	5,968
REV RV9924		6,723	6,373	5,188	6,193	6,517	6,107	6,936	6,478	7,414	5,282	6,321
REV RV9973		6,006	4,497	6,623	5,598	5,672	.	6,875	5,263	6,151	3,801	5,610
NK 6638		6,138	4,466	5,719	5,834	5,564	3,935	6,470	5,801	6,634	5,558	5,612
SP 7868		6,758	5,250	5,716	5,513	5,285	4,195	6,626	6,267	6,973	5,337	5,792
NK 8416		6,382	4,070	4,507	5,430	5,121	.	5,370	.	5,791	5,022	5,212
X865		6,546	5,123	5,220	5,417	5,700	4,322	6,179	5,942	7,532	4,750	5,673
X840		6,709	5,412	5,129	4,568	4,546	.	5,858	.	6,697	5,182	5,513
<b>Average</b>	<b>6,445</b>	<b>5,589</b>	<b>5,409</b>	<b>5,627</b>	<b>6,087</b>	<b>5,311</b>	<b>6,628</b>	<b>6,027</b>	<b>7,079</b>	<b>5,319</b>	-	
<b>CV, %</b>	<b>9.2</b>	<b>13.8</b>	<b>7.9</b>	<b>10.8</b>	<b>6.8</b>	<b>13.3</b>	<b>5.9</b>	<b>12.8</b>	<b>5.6</b>	<b>16.6</b>	-	
<b>LSD (0.10)</b>	<b>701</b>	<b>909</b>	<b>501</b>	<b>714</b>	<b>491</b>	<b>840</b>	<b>464</b>	<b>908</b>	<b>415</b>	<b>927</b>	-	

Notes: Missing data at St. Joseph was due to severe midge damage. All trials were dryland.



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# MID-ATLANTIC

Virginia | Sussex County - Non-Irrigated, continued

Golden Acres	5613	18.7	17.8	55.3
	<b>Averages</b>	<b>37.2</b>	<b>17.6</b>	<b>58.6</b>
<b>Late Maturing Hybrids</b>				
Triumph	TRX15401	42	20.3	55.5
Sorghum Partners	NK8828	32.3	18.3	56.9
Sorghum Partners	SP7868	30.7	18.5	58.4
Dyna-Gro	765B	27.7	18.4	59.7
Sorghum Partners	NK8817	24	21.4	56.1
Sorghum Partners	NK7829	23	18.3	56
Triumph	TRX85131	22.3	16.8	54.3
Triumph	TR481	22	22.5	54.1
Sorghum Partners	NK8416	21.3	18	59.8
Dyna-Gro	GX13661	20.7	17.5	56.9
Triumph	TR4941	20.3	16.2	58
Sorghum Partners	NK8831	20	16.6	55.9
Richardson	6173	19	17.7	57.2
Richardson	8433	17.3	16.8	58.5
Gayland Ward	GW9480	14	17.3	55.9
	<b>Averages</b>	<b>23.8</b>	<b>18.3</b>	<b>56.8</b>

Virginia | Isle of Wight County - Double Crop

	<b>Early Maturing Hybrids</b>			
Advanta	AG2103	109.3	20.4	52.5
Dyna-Gro	M75GB39	103.7	20.3	51.3
DEKALB	DKS38-88	95	21.5	47.4
DEKALB	DKS37-07	94	19.1	46.5
DEKALB	Pulsar	92.3	18.8	45.5
Sorghum Partners	K35-Y5	89.3	16.2	46.7
Advanta	AG2115	88.7	19	46.3
Advanta	AG1401	84	19.6	49.7
Sorghum Partners	SP3425	82	18.1	49.7
Richardson	49473	78.3	18.2	45.3
Sorghum Partners	KS310	58.3	16.4	50
	<b>Averages</b>	<b>88.6</b>	<b>18.9</b>	<b>48.3</b>

	<b>Late Maturing Hybrids</b>			
Golden Acres	3552	126.7	21.1	47.6
Dyna-Gro	GX13661	116.7	20.9	43
Advanta	AG3201	116	23.3	50.9
DEKALB	DKS49-45	109.7	20.7	42.2
Advanta	AG3101	109	18.7	48.9
Dyna-Gro	M77GB52	108.7	20.5	48
Advanta	AG2101	107.3	23.1	50.6
Golden Acres	5556	107	20.7	50.4
Golden Acres	5613	102.7	22.5	47.6
Richardson	92123	87	23.9	48.1
DEKALB	DKS44-20	86	20.8	49.4
	<b>Averages</b>	<b>107</b>	<b>21.5</b>	<b>47.9</b>

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# NEW MEXICO

## 2013 Grain Sorghum Hybrid Test Results

New Mexico State University

### Clovis - Dryland

Hybrid	Company	Maturity Class	Head Date	Height (in)	Head Exertion (in)	Moisture %	Yield (lb/A)	Yield (bu/A)	TW (lb/bu)
DuPont Pioneer	85Y40	M	20-Aug	27.0	2.0	14.2	4509	80.5	55.8
DuPont Pioneer	85G01	M	16-Aug	24.3	0.0	12.2	4191	74.8	54.7
Advanta	AG2115	M	16-Aug	24.0	3.3	11.5	4075	72.8	54.5
Terral Seed	RV 9782	ML	17-Aug	22.7	1.0	11.4	4036	72.1	53.2
Advanta	XG1323	ME	17-Aug	21.0	3.7	17.2	3859	68.9	52.2
DEKALB	DKS44-20	M	15-Aug	25.3	1.0	12.7	3844	68.6	53.9
Sorghum Partners	NK7633	ML	20-Aug	24.7	2.3	13.9	3836	68.5	51.1
Terral Seed	RV 9562	M	19-Aug	24.3	0.7	10.9	3821	68.2	53.0
DuPont Pioneer	85G03	M	21-Aug	23.7	0.0	13.8	3801	67.9	50.8
Advanta	XG1123	ME	17-Aug	24.3	1.0	16.2	3772	67.4	47.6
Sorghum Partners	KS 585	M	17-Aug	22.7	1.0	10.7	3750	67.0	52.5
Browning Seed	775 W	ME	18-Aug	23.3	3.0	12.4	3656	65.3	52.3
Advanta	XG1213	ME	15-Aug	22.0	1.0	13.9	3649	65.2	53.5
Sorghum Partners	NK5418	M	14-Aug	23.0	4.3	9.8	3630	64.8	50.4
Triumph Seed Co.	TRX 85131	ML	21-Aug	28.3	0.3	16.5	3622	64.7	51.3
Texas AgriLife	ATx399 x RTx430	ML	22-Aug	23.0	0.0	13.3	3536	63.1	51.1
DuPont Pioneer	86G32	ME	13-Aug	25.0	2.3	9.4	3518	62.8	51.0
DEKALB	DKS37-07	ME	14-Aug	22.0	2.7	11.2	3441	61.4	50.7
Sorghum Partners	KS 310	E	8-Aug	20.0	4.7	9.0	3405	60.8	55.6
DEKALB	DKS29-28	E	11-Aug	19.7	5.3	9.0	3405	60.8	53.3
Advanta	XG2113	M	18-Aug	22.7	4.7	12.9	3359	60.0	54.1
DEKALB	DKS26-60	E	5-Aug	19.0	6.7	8.7	3282	58.6	52.0
Sorghum Partners	SP6929	ML	14-Aug	21.7	4.3	14.9	3255	58.1	53.9
Triumph Seed	TR 4941	M	22-Aug	23.0	0.3	16.8	3244	57.9	52.9
Sorghum Partners	SP 3425	ME	13-Aug	21.3	2.3	8.8	3079	55.0	52.1
Browning Seed	Challenger BMX	M	21-Aug	23.7	0.3	16.0	3072	54.9	47.4
Texas AgriLife	ATx2752 x RTx430	ML	20-Aug	24.7	0.0	14.9	2858	51.0	50.0
Sorghum Partners	251	E	4-Aug	19.7	7.0	8.4	2834	50.6	53.9
DEKALB	DKS28-05	E	7-Aug	20.3	5.3	8.7	2756	49.2	54.4
Triumph Seed	TR 4955	ML	22-Aug	27.3	1.0	14.2	2071	37.0	43.8
Texas AgriLife	ATx378 x RTx430	ML	23-Aug	24.7	0.0	15.9	1483	26.5	41.2
<b>Trial Mean</b>			<b>16-Aug</b>	<b>23.2</b>	<b>2.3</b>	<b>12.6</b>	<b>3440</b>	<b>61.4</b>	<b>51.7</b>
<b>LSD</b>			<b>2.0</b>	<b>3.2</b>	<b>2.5</b>	<b>1.7</b>	<b>833</b>	<b>14.9</b>	<b>3.0</b>
<b>CV</b>			<b>2.3</b>	<b>8.3</b>	<b>65.3</b>	<b>8.3</b>	<b>14.8</b>	<b>14.8</b>	<b>3.5</b>

\* Plant height is measured from the ground to the top of the leaf canopy. \*\* High variability and limited head exertion due to extreme growing conditions. Investigators: M.A. Marsalis, A. Scott, and B. Niece. Notes: Previous crop - fallow, Planting date - June 19, 2013, Harvest date - October 24, 2013. Seasonal precipitation - 10.79 in., Total irrigation - 1.10 in.



# OKLAHOMA

## 2013 Grain Sorghum Hybrid Performance Results

Oklahoma Panhandle Research and Extension Center (OPREC)

### Apache – Double Crop

Brand Name	Hybrid	Yield (bu/A)	TW (lb/bu)	Moisture %	Plants/A	Lodging %
<b>Less than 70 Days</b>						
DuPont Pioneer	85G01	140.6	56.3	15.1	39,800	13
Advanta US	AG 3101	135.0	57.7	14.2	47,800	0
Advanta US	AG 2115	116.4	54.2	14.0	43,600	0
DuPont Pioneer	85G03	115.0	55.4	15.3	32,800	17
Sorghum Partners	NK5418	111.1	54.1	15.2	42,100	0
Hoegemeyer	6098	110.4	57.1	15.3	37,500	0
DEKALB Brand	DKS38-88	108.4	55.3	14.4	35,700	0
Advanta US	AG 2102	105.8	51.7	13.0	37,300	0
Advanta US	XG 1213	102.9	54.7	14.1	28,500	0
DEKALB	DKS 28-05	101.8	52.2	11.4	39,800	0
Richardson Seeds	92123	95.7	55.6	14.3	27,200	0
Advanta US	AG 2103	95.2	57.3	12.1	33,300	0
Advanta US	AG 2104	95.0	53.2	14.5	36,000	0
Hoegemeyer	6064	93.3	54.2	15.1	34,800	23
DuPont Pioneer	86G32	92.7	53.9	14.3	40,200	10
DEKALB	DKS 37-07	92.0	55.6	15.4	35,900	5
Gayland Ward Seed	EX9010	85.7	53.2	15.5	38,300	27
Sorghum Partners	KS 585	76.3	54.3	12.9	38,300	25
Gayland Ward Seed	EX9059	75.5	52.4	14.5	37,800	0
Sorghum Partners	SP3425	67.4	53.4	14.5	29,600	5
<b>Mean</b>		<b>100.8</b>	<b>54.6</b>	<b>1.4</b>	<b>36,800</b>	-
<b>CV %</b>		<b>16.0</b>	<b>2.8</b>	<b>7.2</b>	<b>11.7</b>	-
<b>L.S.D.</b>		<b>26.7</b>	<b>2.5</b>	<b>1.7</b>	<b>7,200</b>	-
<b>Greater than 70 Days</b>						
Richardson Seeds	06173	125.0	57.5	16.7	31,700	0
Richardson Seeds	68653	122.3	55.9	14.8	34,700	0
Richardson Seeds	96173	117.6	58.1	15.0	33,000	0
DuPont Pioneer	85Y40	103.7	57.4	14.2	27,400	17
DEKALB Brand	DKS 49-45	93.1	55.5	15.3	28,700	0
Gayland Ward Seed Co.	GW 9417	90.1	56.7	14.3	26,300	0
Sorghum Partners	KS 735	87.9	54.4	13.1	29,900	10
Hoegemeyer	7025	87.2	55.5	15.5	32,700	0
Triumph Seed	4951	85.1	53.8	16.5	30,200	0
Triumph Seed	4941	85.0	54.6	14.8	33,800	13
Triumph Seed	TRX85131	83.2	54.6	16.6	35,300	0
Richardson Seeds	0413	81.4	52	15.5	24,500	10
Richardson Seeds	50113	70.8	57.1	18.0	34,400	7
Sorghum Partners	NK7633	70.3	53.3	15.1	31,500	0
<b>Mean</b>		<b>93.1</b>	<b>55.5</b>	<b>15.5</b>	<b>31,000</b>	-
<b>CV %</b>		<b>21.0</b>	<b>2.1</b>	<b>11.3</b>	<b>18.4</b>	-
<b>L.S.D.</b>		<b>32.9</b>	<b>2.0</b>	<b>NS</b>	<b>9,600</b>	-

Notes: Cooperator: Alan Mindeman. No-till double crop following 58 bu/ac wheat. Soil Test: N: NA P: NA K: NA pH: NA. Fertilizer: N: 100 lbs N + 5 gal/ac 10-34-0 with planter. Herbicide: Lumax EZ 2.7 qts/ac (Preemergence). Seeding rate 56,000 seeds/ac. Target Population: 45,000 plants/ac. Planting Date: June 26, 2013. Harvest Date: Nov, 14, 2013.

# OKLAHOMA

## Blackwell

Brand Name	Hybrid	Yield (bu/A)		TW (lb/bu)		Moisture %	Plants/A	Heads/Plant
		2013	2-Year	2013	2-Year			
<b>Less than 70 Days</b>								
DEKALB	DKS 37-07	119.6	78.8	57.3	55.4	13.4	35,100	1.00
DuPont Pioneer	86G32	112.1	76.7	56.5	54.7	13.6	24,700	2.01
DuPont Pioneer	85G03	124.5	76.5	59.3	55.1	16.5	18,200	2.57
DEKALB	DKS 28-05	101.6	74.4	52.7	51.9	12.4	33,400	2.09
Sorghum Partners	NK5418	109.1	74.0	57.1	55.3	12.4	39,900	1.45
Sorghum Partners	KS 585	103.8	73.1	58.3	57.7	13.2	26,800	1.95
DuPont Pioneer	85G01	112.6	72.9	57.9	56.3	16.5	22,800	1.73
DuPont Pioneer	87P06	97.5	70.2	56.4	55.3	12.3	33,500	1.60
Hoegemeyer	6037	94.5	67.3	56.6	55.5	13.2	26,600	1.79
Hoegemeyer	6098	144.2	-	59.3	-	13.9	30,300	1.58
Advanta US	AG 3101	135.7	-	60.4	-	14.8	38,700	1.26
Gayland Ward Seed	EX9010	132.0	-	56.4	-	14.5	31,600	1.31
Advanta US	XG 1213	130.6	-	59.0	-	14.8	18,400	1.93
DEKALB Brand	DKS38-88	129.1	-	58.5	-	14.1	34,200	1.32
Advanta US	AG 2102	127.9	-	56.8	-	15.3	36,300	1.26
Gayland Ward Seed	EX9058	114.4	-	57.0	-	15.8	29,500	1.72
Gayland Ward Seed	EX9059	110.9	-	56.9	-	14.6	25,800	1.92
Hoegemeyer	6064	110.5	-	58.1	-	13.8	32,000	1.49
Advanta US	AG 2115	110.4	-	56.4	-	15.3	24,800	1.41
Advanta US	AG 2103	104.7	-	58.7	-	14.6	36,600	1.31
Advanta US	AG 2104	102.1	-	55.9	-	13.9	31,900	1.37
Hoegemeyer	6020	97.5	-	56.1	-	12.6	30,900	1.83
Sorghum Partners	SP3425	93.1	-	56.8	-	12.5	27,400	1.96
	Mean	113.8	73.7	57.3	55.2	14.1	29,800	1.65
	CV %	8.6	13.7	1.3	2.8	7.4	13.2	14.70
	L.S.D.	13.9	10.0	1.0	1.5	1.5	5,600	0.34
<b>70 Days and Greater to Mid-Bloom</b>								
DeKalb Brand	DKS 49-45	132.7	86.6	57.7	54.4	14.5	22,100	1.58
DuPont Pioneer	85Y40	125.8	84.0	59.8	56.3	14.2	24,400	1.68
Triumph Seed	4941	131.9	77.0	57.5	53.9	14.5	21,800	2.00
Gayland Ward Seed	GW 9417	135.4	76.4	59.4	56.8	14.5	30,700	1.40
Triumph Seed	TRX85131	131.4	71.1	57.2	54.3	14.3	32,500	1.45
Triumph Seed	4951	102.0	58.9	56.5	53.2	15.2	13,000	2.02
Richardson Seeds	06173	166.9	-	57.0	-	16.7	25,500	1.70
Richardson Seeds	68653	146.0	-	55.9	-	18.1	15,800	1.96
Hoegemeyer	7025	142.2	-	59.4	-	14.3	25,000	1.94
Gayland Ward Seed	EX8015	133.5	-	58.2	-	15.3	28,600	1.45
Richardson Seeds	96173	131.3	-	58.7	-	16.8	14,500	2.36
Sorghum Partners	NK7633	128.4	-	57.5	-	14.7	29,000	1.43
Gayland Ward Seed	EX9021	127.3	-	56.0	-	13.2	34,200	1.32
Gayland Ward Seed	EX8017	126.3	-	58.5	-	16.0	27,600	1.34
Sorghum Partners	KS 735	121.0	-	56.4	-	13.6	18,000	1.91
Gayland Ward Seed	GW9480	119.4	-	59.5	-	15.8	14,600	2.03

# OKLAHOMA

## Blackwell, continued

Brand Name	Hybrid	Yield (bu/A)		TW (lb/bu)		Moisture %	Plants/A	Heads/Plant
		2013	2-Year	2013	2-Year			
Gayland Ward Seed	EX9011	119.2	-	58.9	-	14.3	28,300	1.44
Richardson Seeds	0413	113.8	-	55.3	-	12.7	22,500	1.54
Richardson Seeds	50113	99.9	-	59.4	-	14.3	11,700	2.67
	<b>Mean</b>	<b>128.1</b>	<b>75.7</b>	<b>57.8</b>	<b>54.8</b>	<b>14.9</b>	<b>23,100</b>	<b>1.75</b>
	<b>CV %</b>	<b>9.3</b>	<b>16.4</b>	<b>1.2</b>	<b>1.8</b>	<b>6.3</b>	<b>20.3</b>	<b>19.50</b>
	<b>L.S.D.</b>	<b>16.9</b>	<b>12.6</b>	<b>1.0</b>	<b>1.0</b>	<b>1.3</b>	<b>6,600</b>	<b>0.48</b>

Notes: Cooperators - Bill and Louise Rigdon. No-till following wheat and double crop grain sorghum in 2012. Fertilizer: N: 124 lbs N + 5 gal/ac 10-34-0 with planter. Herbicide: Cinch ATZ Lite 2 qts/ac (Preemergence). Seeding rate 56,000 seeds/ac. Target Population: 45,000 plants/ac. Planting Date: April 22, 2013. Harvest Date: September 19, 2013.

## Enid – Double Crop

Brand Name	Hybrid	Yield (bu/A)	TW (lb/bu)	Moisture %	Plants/A	Lodging %
Richardson Seeds Ltd.	96173	98.6	58.9	16.7	34,700	0
Triumph Seed	TRX85131	94.4	56.8	12.7	40,000	0
Hoegemeyer	6064	83.6	55.4	15.2	39,200	31
DuPont Pioneer	85G03	81.9	55.6	17.2	38,100	30
Triumph Seed	4941	80.5	55.3	17.5	34,100	26
Advanta	XG 1213	80.4	56.8	17.7	28,300	28
Advanta	AG 2104	76.3	55.2	16.2	38,800	10
Gayland Ward Seed	GW 9417	74.1	56.9	16.8	40,900	55
Gayland Ward Seed	GW9480	72.6	56.8	17.2	39,700	55
DEKALB	DKS 37-07	72.4	54.7	16.6	41,600	45
Sorghum Partners	KS 585	69.3	55.1	15.8	39,100	38
Hoegemeyer	6037	67.1	55.0	16.1	33,700	70
DuPont Pioneer	86G32	66.4	55.6	15.9	37,600	75
DEKALB	DKS 28-05	64.5	53.0	13.9	40,200	76
Richardson Seeds	92123	63.8	56.2	16.2	37,000	6
Sorghum Partners	SP3425	58.0	56.4	13.7	34,500	46
	<b>Mean</b>	<b>75.2</b>	<b>55.8</b>	<b>16.2</b>	<b>37,300</b>	-
	<b>CV %</b>	<b>13.6</b>	<b>1.7</b>	<b>6.6</b>	<b>7.2</b>	-
	<b>L.S.D.</b>	<b>14.6</b>	<b>1.3</b>	<b>1.6</b>	<b>3,800</b>	-

Notes: Cooperator: James and Richard Wuerlein. No-till double crop following 60 bu/ac wheat. Fertilizer: N: 100 lbs N + 5 gal/ac 10-34-0 with planter. Herbicide: Lumax EZ 2.7 qts/ac (Preemergence). Seeding rate 56,000 seeds/ac. Target Population: 45,000 plants/ac. Planting Date: June 27, 2013. Harvest Date: November 15, 2013

## Homestead

Brand Name	Hybrid	Yield (bu/A)		TW (lb/bu)		Moisture %	Plants/A	Heads/Plant	Bord Damage %
		2013	2-Year	2013	2-Year				
DEKALB Brand	DKS 37-07	53.7	64.8	45.5	54.4	12.5	32,000	2.03	0
Sorghum Partners	KS 585	61.3	64.4	57.0	56.1	13.1	30,700	1.91	10
DuPont Pioneer	86G32	52.8	61.7	52.4	50.8	12.4	37,500	1.47	10
DuPont Pioneer	85G03	62.1	60.4	55.2	52.7	16.2	32,300	2.13	13
DEKALB Brand	DKS 28-05	64.1	59.0	57.0	48.7	11.1	34,400	1.44	0
Hoegemeyer	6037	60.3	58.2	52.3	51.3	13.4	33,000	2.2	17
Triumph Seed	4941	51.7	53.7	53.0	51.7	18.1	29,200	2.72	22
Hoegemeyer	6064	66.3	-	54.4	-	13.0	39,700	1.76	0
Advanta	XG 1213	56.7	-	55.4	-	13.8	31,100	1.92	3

# OKLAHOMA

## Homestead, continued

Advanta	AG 2104	54.6	-	51.7	-	14.5	34,600	1.47	0
Triumph Seed	TRX85131	53.0	-	52.2	-	19.6	35,400	1.87	3
Sorghum Partners	SP3425	52.7	-	55.5	-	11.5	36,300	1.72	0
Richardson Seeds	92123	43.9	-	52.8	-	16.3	21,000	2.46	10
Richardson Seeds	96173	41.6	-	54.5	-	17.8	25,000	2.14	10
Gayland Ward Seed	EX9059	38.0	-	48.2	-	20.0	32,300	2.43	27
Gayland Ward Seed	EX9058	35.8	-	49.0	-	18.2	38,800	1.94	23
<b>Mean</b>		<b>53.0</b>	<b>60.3</b>	<b>52.9</b>	<b>52.3</b>	<b>15.1</b>	<b>32,800</b>	<b>1.98</b>	-
<b>CV %</b>		<b>15.0</b>	<b>14.5</b>	<b>2.9</b>	<b>4.6</b>	<b>14.2</b>	<b>12.6</b>	<b>17.7</b>	-
<b>L.S.D.</b>		<b>11.3</b>	<b>8.8</b>	<b>2.2</b>	<b>2.4</b>	<b>3.1</b>	<b>5,900</b>	<b>0.59</b>	-

Notes: Cooperator: Brook Strader. Conventional tillage following wheat and double crop sesame in 2012. Soil Test: N: 15 P: 195 K: 302 pH: 5.9. Fertilizer: N: 120 lbs N + 5 gal/ac 10-34-0 with planter. Herbicide: Cinch ATZ Lite 2 qts/ac (Preemergence). Seeding rate: 56,000 seeds/ac. Target Population: 45,000 plants/ac Planting Date: April 29, 2013. Harvest Date: Sept. 5, 2013

## OPREC Limited Irrigation

Brand Name	Hybrid	Yield (bu/A)			TW (lb/bu)			Moisture %	Plants/A	Heads/Plant
		2013	2-Year	3-Year	2013	2-Year	3-Year			
<b>Less than 70 Days to Mid-Bloom</b>										
DuPont Pioneer	85G01	140.0	153.4	161.8	57.4	56.8	57.3	15.4	45,300	1.53
Sorghum Partners	KS 585	146.6	153.6	160.7	56.3	57.8	57.8	14.5	43,100	1.56
DEKALB	EKS 37-07	134.1	155.9	158.9	53.0	55.8	56.5	12.1	47,200	1.71
DEKALB	EKS 28-05	147.6	147.6	151.3	54.7	54.3	55.1	14.1	56,700	1.51
DuPont Pioneer	86G32	139.7	155.5	150.6	54.6	55.4	55.6	13.7	51,900	1.39
Sorghum Partners	NK5418	124.2	132.2	148.8	53.5	54.5	55.5	12.4	49,900	1.48
DuPont Pioneer	87P06	139.1	139.7	135.6	56.4	56.6	56.7	12.7	52,100	1.65
Fontanelle Hybrids	G 6192	158.4	166.9	-	55.2	56.3	-	17.1	48,200	1.41
DuPont Pioneer	85G03	146.0	160.1	-	57.5	57.4	-	16.6	50,600	1.44
Hoegemeyer	6037	103.9	127.1	-	48.4	52.7	-	13.0	47,700	1.47
Advanta US	AG 3101	156.5	-	-	57.1	-	-	18.5	51,000	1.21
Advanta US	AG 2102	151.8	-	-	53.9	-	-	15.3	47,600	1.25
DEKALB Brand	EKS38-88	151.2	-	-	55.5	-	-	15.0	50,300	1.23
Hoegemeyer	6064	147.9	-	-	55.2	-	-	16.0	52,100	1.27
Richardson Seeds	92123	146.5	-	-	56.0	-	-	12.8	44,000	1.41
Advanta US	AG 2103	145.4	-	-	53.4	-	-	15.7	53,500	1.27
Advanta US	AG 2115	142.6	-	-	55.6	-	-	14.7	47,300	1.25
Advanta US	XG 1213	141.0	-	-	56.2	-	-	16.1	41,600	1.41
Hoegemeyer	6098	139.4	-	-	58.5	-	-	13.1	52,300	1.23
Gayland Ward Seed	EX9010	138.0	-	-	54.1	-	-	18.2	49,100	1.17
Gayland Ward Seed	EX9059	134.9	-	-	53.1	-	-	14.3	52,800	1.37
Advanta US	AG 2104	134.1	-	-	56.5	-	-	14.0	51,600	1.32
Hoegemeyer	6020	127.6	-	-	54.0	-	-	12.7	50,900	1.46
Sorghum Partners	SP3425	121.5	-	-	55.2	-	-	12.8	47,300	1.67
Gayland Ward Seed	EX9058	115.4	-	-	49.2	-	-	14.5	53,900	1.30
<b>Mean</b>		<b>138.9</b>	<b>149.2</b>	<b>152.5</b>	<b>54.8</b>	<b>55.8</b>	<b>56.4</b>	<b>14.6</b>	<b>49,500</b>	<b>1.39</b>
<b>CV %</b>		<b>8.8</b>	<b>8.1</b>	<b>9.7</b>	<b>5.5</b>	<b>4.6</b>	<b>2.4</b>	<b>11.4</b>	<b>10.5</b>	<b>11.5</b>
<b>L.S.D.</b>		<b>17.3</b>	<b>12.0</b>	<b>12.1</b>	<b>4.3</b>	<b>2.6</b>	<b>1.1</b>	<b>2.3</b>	<b>7,300</b>	<b>0.22</b>

# OKLAHOMA

OPREC Limited Irrigation, continued

Brand Name	Hybrid	Yield (bu/A)			TW (lb/bu)			Moisture %	Plants/A	Heads/Plant
		2013	2-Year	3-Year	2013	2-Year	3-Year			
<b>70 Days and Greater to Mid-Bloom</b>										
DuPont Pioneer	84P80	149.9	162.0	167.9	55.3	55.7	56.1	18.9	46,800	1.37
DEKALB Brand	DKS 53-67	164.3	162.6	163.9	55.9	56.2	56.3	18.0	45,400	1.44
DEKALB Brand	DKS 49-45	147.2	153.6	158.8	52.4	53.0	53.4	15.7	44,200	1.40
DuPont Pioneer	85Y40	151.2	153.8	158.0	56.9	57.1	57.6	18.1	46,800	1.35
DuPont Pioneer	84G62	143.6	152.1	158.0	54.9	55.3	55.6	16.9	49,200	1.18
Triumph Seed	TRX85131	150.3	154.2	156.1	53.8	54.2	54.9	18.3	41,900	1.32
Triumph Seed	4941	151.1	151.2	-	54.8	55.2	-	16.4	46,100	1.42
Triumph Seed	4951	146.2	148.9	-	55.4	54.3	-	14.8	39,500	1.21
Gayland Ward Seed	GW 9417	139.9	131.6	-	55.8	55.3	-	19.6	45,500	1.21
Richardson Seeds	68653	154.2	-	-	51.3	-	-	17.9	42,800	1.20
Hoegemeyer	7025	152.7	-	-	56.7	-	-	14.9	47,600	1.57
Richardson Seeds	06173	149.0	-	-	56.4	-	-	19.1	50,300	1.11
Richardson Seeds	0413	147.8	-	-	51.3	-	-	14.7	44,800	1.32
Sorghum Partners	NK7633	146.1	-	-	53.8	-	-	17.5	49,700	1.35
Sorghum Partners	KS 735	144.9	-	-	54.0	-	-	14.9	41,900	1.49
Richardson Seeds	96173	144.5	-	-	54.4	-	-	17.7	43,700	1.37
Gayland Ward Seed	EX9021	144.3	-	-	51.8	-	-	16.4	43,900	1.31
Gayland Ward Seed	GW9480	141.4	-	-	56.1	-	-	16.9	42,500	1.43
Gayland Ward Seed	EX8015	138.3	-	-	55.0	-	-	17.8	54,600	1.17
Gayland Ward Seed	EX9011	137.6	-	-	56.0	-	-	15.5	48,200	1.18
Gayland Ward Seed	EX8017	132.7	-	-	55.0	-	-	20.2	45,000	1.21
Gayland Ward Seed	EX9061	130.4	-	-	52.4	-	-	17.5	40,000	1.58
Richardson Seeds	50113	121.9	-	-	55.6	-	-	15.2	47,300	1.33
Mean	144.7	152.2	160.5	54.5	55.2	55.6	17.1	45,600	1.33	
CV %	6.1	8.2	6.9	2.7	1.9	1.6	9.0	13.8		14.0
L.S.D.	12.4	12.5	9.1	2.0	1.1	0.7	2.2	NS		0.26

Notes: Cooperator: OPREC. Strip-till following wheat in 2012. Soil Test: N: 36 P: 7 K: 1,082 pH: 7.9. Herbicide: Lumax EZ 2.7 qts/ac (Pre-emergence). Fertilizer: N: 150 lbs N and 50 lbs P2O5 with strip-till + 5 gal/ac 10-34-0 with planter. Seeding rate 64,500 seeds/ac. Target Population: 50,000 plants/ac. Planting Date: June 17, 2013. Harvest Date: October 23, 2013.

## OPREC Dryland

Brand Name	Hybrid	Yield (bu/A)	TW (lb/bu)	Moisture %	Plants/A	Heads/A	Lodging %
<b>Less than 70 Days to Mid-Bloom</b>							
Hoegemeyer	6098	62.4	55.6	16.4	14,600	1.62	0
DuPont Pioneer	85G01	62.3	53.7	15.7	16,300	1.61	0
Advanta	AG 2104	62.0	55.5	15.7	13,700	2.10	0
Gayland Ward Seed	EX9059	61.2	55.3	14.6	14,900	2.44	0
Sorghum Partners	KS 585	58.4	55.4	15.5	13,600	1.86	0
Advanta	AG 2115	57.8	52.4	17.7	16,600	1.77	6
DEKALB	DKS38-88	56.9	55.2	15.9	17,300	1.53	0
DuPont Pioneer	85G03	56.6	55.6	14.8	16,500	1.59	6
Hoegemeyer	6037	55.7	54.5	14.7	14,500	1.84	0
DuPont Pioneer	86G32	55.2	55.2	15.8	15,000	1.79	0
DEKALB	DKS 28-05	54.6	54.5	16.6	14,300	1.85	6

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# OKLAHOMA

## OPREC Dryland, continued

<b>Brand Name</b>	<b>Hybrid</b>	<b>Yield (bu/A)</b>	<b>TW (lb/bu)</b>	<b>Moisture %</b>	<b>Plants/A</b>	<b>Heads/A</b>	<b>Lodging %</b>
Advanta	AG 2103	53.8	55.6	15.5	15,100	1.69	12
Gayland Ward Seed	EX9058	52.1	56.7	15.1	15,600	1.70	0
Sorghum Partners	NK5418	51.8	53.2	16.3	12,900	1.51	0
Sorghum Partners	SP3425	51.3	55.8	14.7	14,000	1.69	0
Advanta	XG 1213	50.8	56.4	13.6	13,600	2.09	0
DuPont Pioneer	87P06	50.0	55.7	14.3	13,700	2.32	0
Hoegemeyer	6064	49.8	55.1	16.1	14,700	1.76	6
Richardson Seeds	92123	48.9	54.7	14.4	15,800	1.96	10
DEKALB	DKS 37-07	48.0	54.7	17.0	12,100	1.86	0
Hoegemeyer	6020	45.2	53.2	17.3	12,100	1.82	6
Gayland Ward Seed	EX9010	44.8	54.5	16.7	11,800	1.73	0
Advanta	AG 3101	40.1	55.7	16.3	14,300	1.52	0
Advanta	AG 2102	39.4	54.5	17.4	10,000	2.09	0
	<b>Mean</b>	<b>52.9</b>	<b>55.0</b>	<b>16.7</b>	<b>14,300</b>	<b>1.82</b>	-
	<b>CV %</b>	<b>15.2</b>	<b>2.9</b>	<b>12.5</b>	<b>22.2</b>	<b>16.10</b>	-
	<b>L.S.D.</b>	<b>13.2</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0.48</b>	-
<b>Greater than 70 Days to Mid-Bloom</b>							
Gayland Ward Seed	EX9021	61.2	54.0	15.0	16,400	1.61	12
DEKALB	DKS 49-45	57.3	54.5	16.6	15,500	1.65	15
Hoegemeyer	7025	57.0	54.6	15.9	17,700	1.72	12
Sorghum Partners	NK7633	53.0	53.5	18.2	13,800	1.79	6
Sorghum Partners	KS 735	51.7	54.2	15.8	15,600	1.51	0
Triumph Seed	TRX85131	51.5	53.8	19.0	15,400	1.55	0
Triumph Seed	4941	50.7	55.1	16.0	16,900	1.59	6
Gayland Ward Seed	GW 9417	47.8	54.9	19.9	15,600	1.48	6
Richardson Seeds	0413	45.9	52.5	15.7	12,000	1.57	0
DuPont Pioneer	85Y40	43.9	54.9	15.6	14,500	1.68	0
Richardson Seeds	50113	43.4	52.9	14.6	13,600	1.60	6
Triumph Seed	4951	43.1	54.0	15.5	10,600	1.51	0
Gayland Ward Seed	EX8015	40.9	54.8	17.1	14,200	1.36	6
Gayland Ward Seed	EX9011	39.0	54.3	17.9	12,200	1.43	6
Gayland Ward Seed	GW9480	37.3	53.7	17.7	12,000	1.48	6
Richardson Seeds	96173	37.3	53.7	20.5	12,000	1.47	0
Gayland Ward Seed	EX8017	37.1	54.9	16.9	14,000	1.22	6
Richardson Seeds	06173	24.1	52.4	22.9	12,200	1.41	0
Richardson Seeds	68653	22.4	51.8	20.1	9,800	1.33	12
	<b>Mean</b>	<b>44.5</b>	<b>53.9</b>	<b>17.4</b>	<b>13,900</b>	<b>1.52</b>	-
	<b>CV %</b>	<b>16.1</b>	<b>2.9</b>	<b>13.3</b>	<b>20.6</b>	<b>17.5</b>	-
	<b>L.S.D.</b>	<b>11.9</b>	<b>NS</b>	<b>3.8</b>	<b>NS</b>	<b>NS</b>	-

Notes: Cooperator: OPREC. Soil Series: Gruver Clay Loam (formerly Richfield). No-till following wheat in 201. Soil Test: N: 44 P: 23 K: 1,018 pH: 7.7. Herbicide: Lumax EZ 2.7 qts/ac. Fertilizer: N: 75 lbs N + 5 gal/ac 10-34-0 with planter. Seeding rate 31,200 seeds/ac. Target Population: 25,000 plants/ac. Planting Date: June 17, 2013. Harvest Date: October 28, 2013.

# SOUTH DAKOTA

## 2013 Grain Sorghum Hybrid Trial Results

*South Dakota State University Extension*

### Dakota Lakes

Hybrid	Yield (bu/A)	TW	Height (in)	Lodging	Moisture%						
Browning 775W	105	51.6	49	1	21.4	Sorghum Partners SP3425	99	48.8	45	1	18.2
Browning Challenger BMX	121	54.5	52	0	26.4	Sorghum Partners X445	115	56.3	51	1	22.2
Browning X-1001	54	51.3	51	1	28.8	Sorghum Partners X446	105	53.9	46	0	22.3
DEKALB Asgrow Pulsar	99	47.3	49	1	19.8	Warner W494-A	107	52.6	56	1	20
DEKALB DKS26-60	110	51.1	47	1	17.9	Warner W528-W	100	40.1	49	1	16.8
DEKALB DKS28-05	121	49.5	52	1	16.4	Warner W614-W	101	44.4	48	0	14.5
DEKALB DKS29-28	107	50.9	44	0	17.7	Warner W624-Y	108	51.3	50	0	25.2
MONSANTO MSK180	115	49.4	54	1	21	Warner W625-Y	114	52.8	57	0	23.9
MONSANTO MSK181	124	49.7	52	0	22.6	Warner W632-W	99	49.2	53	0	24.9
Fontanelle G2203	108	50.7	45	1	17.9	Warner W638-W	84	47.7	56	4	21.2
Fontanelle G3472	109	51.5	52	4	21.6	<b>Trial Average</b>					<b>20.9</b>
Fontanelle G4223	109	49.8	53	3	23.6						Kennebec
Fontanelle G4282	97	48.2	51	5	24.7	<b>Hybrid</b>	<b>Yield (bu/A)</b>	<b>TW</b>	<b>Height (in)</b>	<b>Lodging</b>	<b>Moisture%</b>
Fontanelle W4525	101	47.1	47	0	19.5	Browning 775W	95	56.1	49	0	18.8
Gayland GW 9417	98	51.9	55	2	25.5	Browning Challenger BMX	96	50.1	51	0	20.3
Gayland GW 9480	108	51.5	53	1	23.1	Browning X-1001	11	38	51	0	29.5
Gayland exp 8015	105	51.2	52	0	26.3	DEKALB Asgrow Pulsar	61	52.6	47	0	17.1
Gayland exp 8017	109	52.1	51	0	26.8	DEKALB DKS26-60	84	51.1	44	0	15
Gayland exp 9010	112	48.8	56	1	22	DEKALB DKS28-05	73	48.7	49	0	14.6
Gayland exp 9011	100	52	54	1	23.7	DEKALB DKS29-28	70	52.2	42	0	15.6
Gayland exp 9058	113	53.8	50	0	24.5	MONSANTO MSK180	81	54.7	48	0	17.7
Gayland exp 9059	108	52.8	50	1	24.8	MONSANTO MSK181	88	50.3	48	0	16.7
Hoegemeyer 6020	110	51	51	2	19.2	Fontanelle G2203	85	50.1	44	0	15
Hoegemeyer 6037	109	52.5	46	1	20.3	Fontanelle G3472	58	54.2	51	0	19.1
Hoegemeyer 6064	106	53	52	1	24.1	Fontanelle G4223	83	52.8	52	0	19.8
Legend LGS 5001T	106	51.5	53	1	16.8	Fontanelle G4282	72	52.7	52	0	20.4
Legend LGS 5009T	103	52.9	53	2	18.1	Fontanelle W4525	74	50.2	49	0	16.1
Mycogen 1G557	107	49.4	44	1	16.8	Gayland GW 9417	72	55	58	0	19.7
Mycogen 1G600	129	48	52	0	19.7	Gayland GW 9480	66	53.1	53	0	20.1
Mycogen E32294	118	53.6	52	1	20.3	Gayland exp 8015	77	51	51	0	20.9
Richardson 10413	92	53.4	48	0	19.9	Gayland exp 8017	67	50.7	51	0	19.6
Richardson 11043	107	52.1	51	2	20.2	Gayland exp 9010	72	53.6	54	0	20.2
Richardson 49473	95	50.3	54	3	17.8	Gayland exp 9011	58	50	53	0	18.7
Richardson 50113	92	50	48	0	23.7	Gayland exp 9058	46	48.2	50	0	18.9
Richardson 91743	100	52.8	55	2	18.4	Gayland exp 9059	56	49.4	48	0	16.2
Richardson 99773	115	52.8	53	1	16.5	Hoegemeyer 6020	70	51.8	49	0	17.8
Sorghum Partners 251	80	54.1	45	1	20	Hoegemeyer 6037	69	54.5	46	0	18.8
Sorghum Partners K35-Y5	93	45.7	45	1	15.8	Legend LGS 5001T	71	51.3	50	0	15.4
Sorghum Partners KS310	114	49.1	48	1	16.6	Legend LGS 5009T	70	51.6	55	0	16.2
Sorghum Partners KS585	118	48.9	49	0	18.8	Mycogen 1G557	81	51.7	44	0	15.1
Sorghum Partners NK4420	86	43.4	47	3	17.7	Mycogen 1G600	98	49	49	0	18.4
Sorghum Partners NK5418	91	43.6	45	3	17.8	Mycogen E32294	84	52.4	47	0	17.9
Sorghum Partners SP3303	99	53.6	47	0	18.1	Richardson 10413	49	53.2	44	0	19.4

# SOUTH DAKOTA

## Kennebec, continued

Hybrid	Yield (bu/A)	TW	Height (in)	Lodging	Moisture%
Richardson 11043	87	53.3	51	0	16.3
Richardson 49473	80	51	54	0	15.1
Richardson 50113	52	49.9	46	0	19.2
Richardson 91743	76	53.4	52	0	16.8
Richardson 99773	95	52.1	51	0	15.3
Sorghum Partners 251	50	54.5	43	0	18.9
Sorghum Partners K35-Y5	80	52.4	47	0	15.6
Sorghum Partners KS310	86	49.7	48	0	15.2
Sorghum Partners KS585	106	54	50	0	18.6
Sorghum Partners NK4420	75	52.8	47	0	18.5
Sorghum Partners NK5418	90	52.6	50	0	17.2
Sorghum Partners SP3303	61	53	45	0	16.7
Sorghum Partners SP3425	70	53.8	43	0	17.8
Sorghum Partners X445	90	53.4	50	0	20.5
Sorghum Partners X446	68	51	47	0	20.6
Warner W494-A	90	52.7	53	0	16.3
Warner W528-W	90	45.2	46	0	18.8
Warner W614-W	87	52.2	49	0	18.3
Warner W624-Y	85	50.2	52	0	17.4
Warner W625-Y	85	49.8	51	0	16.6
Warner W632-W	68	51.8	49	0	20.3
Warner W638-W	107	54	58	1	18
<b>Trial Average</b>	<b>76</b>	<b>51.7</b>	<b>49</b>	<b>0</b>	<b>17.9</b>

## Wall

Hybrid	Yield (bu/A)	TW	Height (in)	Lodging	Moisture%
Browning 775W	40	42.2	40	1	16.1
Browning Challenger BMX	43	37.9	44	1	18.9
Browning X-1001	14	48.7	-	-	-
DEKALB Asgrow_Pulsar	47	46.7	39	2	15.9
DEKALB DKS26-60	49	50.4	38	4	15.3
DEKALB DKS28-05	44	47.1	41	3	16
DEKALB DKS29-28	57	48.3	39	3	15
MONSANTO MSK180	42	45.3	40	3	14.9
MONSANTO MSK181	58	45	42	1	16.4
Fontanelle G2203	51	49.1	40	4	15.5
Fontanelle G3472	53	51.7	46	3	18.6
Fontanelle G4223	46	45.9	45	0	17.8
Fontanelle G4282	48	43.4	45	3	19.1
Fontanelle W4525	39	42.4	41	2	14.8
Gayland GW 9417	36	43.3	41	1	20.5
Gayland GW 9480	33	49	43	2	21.1
Gayland exp 8015	38	47	47	3	19.7
Gayland exp 8017	37	49.5	42	2	19.7
Gayland exp 9010	44	41.7	46	2	16.6
<b>Trial Average</b>	<b>42</b>	<b>45.7</b>	<b>42</b>	<b>2</b>	<b>17.1</b>

## Wall, continued

Hybrid	Yield (bu/A)	TW	Height (in)	Lodging	Moisture%
Gayland exp 9011	49	46.6	44	2	17.4
Gayland exp 9058	42	48.2	45	1	17.6
Gayland exp 9059	35	48.3	43	2	17
Hoegemeyer 6020	51	48	42	3	17.5
Hoegemeyer 6037	54	50	42	3	17.4
Hoegemeyer 6064	41	47	46	5	20.3
Legend LGS 5001T	53	52.4	43	2	17.9
Legend LGS 5009T	34	48.2	41	5	16.5
Mycogen 1G557	51	45.7	39	2	16
Mycogen 1G600	46	38.1	41	2	15.4
Mycogen E32294	43	43.7	43	3	16.6
Richardson 10413	40	47	41	1	17.3
Richardson 11043	44	49.2	42	2	18.5
Richardson 49473	22	43.6	46	6	17.2
Richardson 50113	20	32.9	40	1	17.1
Richardson 91743	46	49.1	46	6	15.8
Richardson 99773	37	52.1	42	4	16.6
Sorghum Partners 251	28	51.3	38	3	16.6
Sorghum Partners K35-Y5	36	48.9	39	3	15
Sorghum Partners KS310	49	44.4	41	2	15.7
Sorghum Partners KS585	54	49.6	42	1	16.6
Sorghum Partners NK4420	41	45.9	41	1	16.4
Sorghum Partners NK5418	49	46.6	41	2	17
Sorghum Partners SP3303	46	51.3	38	1	14.9
Sorghum Partners SP3425	45	47.6	37	2	15.7
Sorghum Partners X445	42	43.7	41	1	18.3
Sorghum Partners X446	41	48.8	39	2	18.7
Warner W494-A	31	47.7	45	1	18.1
Warner W528-W	42	34.4	40	1	16.6
Warner W614-W	37	38.6	40	2	17.8
Warner W624-Y	35	41.3	44	1	18.6
Warner W625-Y	33	43	42	0	18.3
Warner W632-W	24	34.2	40	1	16.8
Warner W638-W	39	45.6	44	2	17.4
<b>Trial Average</b>	<b>42</b>	<b>45.7</b>	<b>42</b>	<b>2</b>	<b>17.1</b>

Notes: Average yield (13% moisture, 56 lbs/bu) and test weight (harvest moisture) arranged by company.



Elite Ag Management is a subsidiary of the National Sorghum Producers

# TEXAS 2013 Grain Sorghum Hybrid Performance Results

Texas A&M AgriLife Research

## College Station - Limited Irrigated

Hybrid	Brand	Maturity	Grain Color	Plant Color	50% Bloom	Height (in)	Head Exertion (in)	% Lodge	Desirability Rating	LPD Rating	% Moist	TW (lb/bu)	Yield (lb/A)
84P80	DuPont Pioneer	ML	R	P	83	51	3	1.75	3.00	2.00	11.9	58.8	7,642
DEKALB DKS51-01	Monsanto	ML	BZ	P	82	53	5	1.00	3.25	1.75	12.0	59.3	7,083
83P99	DuPont Pioneer	ML	BZ	P	87	51	1	1.25	2.50	2.25	11.9	58.5	7,023
REV® RV9883™	Terral Seed	ML	R	P	82	53	4	1.50	2.25	2.25	11.9	57.8	6,919
NK8416	Sorghum Partners	L	BZ	P	83	54	5	2.25	5.75	3.50	12.0	59.4	6,849
REV® RV9924™	Terral Seed	L	R	P	81	53	2	1.00	2.50	2.25	12.2	58.0	6,744
ATx378 x RTx430	Texas AgriLife	ML	BZ	P	81	56	5	1.50	4.50	2.00	11.6	56.3	6,724
AG3201	Advanta	ML	BZ	R	80	48	3	1.25	2.75	2.00	11.8	57.5	6,575
Exp 9059	Gayland Ward Seed	ME	BZ	P	80	48	6	1.50	3.25	1.50	12.4	57.0	6,573
AG2102	Advanta	M	R	R	80	49	3	1.25	3.25	2.50	11.1	55.5	6,541
AG2103	Advanta	ME	R	R	81	44	4	1.25	2.50	2.25	11.7	57.8	6,466
ATx2752 x RTx430	Texas AgriLife	ML	BZ	P	81	52	4	1.50	4.00	2.25	11.5	57.0	6,420
Integra 3650	Wilbur-Ellis/Integra	M	R	P	80	42	3	1.00	3.00	2.00	11.1	55.7	6,388
REV® RV9782™	Terral Seed	ML	R	P	80	51	3	1.50	3.25	2.50	11.9	59.0	6,361
REV® RV9973™	Terral Seed	L	R	P	86	49	2	1.00	2.00	2.00	12.0	57.9	6,354
84G62	DuPont Pioneer	ML	BZ	P	86	49	2	1.50	3.00	2.25	12.0	58.9	6,344
REV® RV9823™	Terral Seed Inc.	ML	BZ	P	83	51	4	1.25	2.50	2.25	11.9	59.0	6,303
ATx645 x RTx437	Texas AgriLife	ML	R	R	82	52	3	1.50	3.50	3.50	11.6	57.9	6,273
GW 9480	Gayland Ward Seed	M	R	P	84	51	2	2.50	4.75	5.25	11.6	58.4	6,223
Integra 3670	Wilbur-Ellis/Integra	ML	BZ	P	80	48	4	1.25	2.75	1.75	12.0	57.4	6,076
Exp 9011	Gayland Ward Seed	M	R	P	85	52	4	2.00	4.50	4.75	11.9	57.7	6,019
SP7868	Sorghum Partners	ML	BZ	P	81	50	7	1.75	3.50	3.50	11.9	58.4	5,985
DEKALB DKS54-00	Monsanto	ML	BZ	P	86	52	4	1.75	3.00	2.50	11.9	57.8	5,795
DEKALB DKS49-45	Monsanto	M	BZ	P	83	52	3	1.50	3.75	2.50	12.2	58.3	5,684
REV® RV9794™	Terral Seed	M	R	P	81	52	5	1.25	2.75	2.25	11.9	58.1	5,672
REV® RV9562™	Terral Seed	ME	R	P	79	48	4	2.25	3.00	2.75	11.7	59.0	5,651
83G19	DuPont Pioneer	ML	BZ	P	80	51	3	2.25	3.75	3.00	11.5	57.2	5,641
REV® RV9803™	Terral Seed	ML	R	P	81	47	2	1.00	3.00	2.25	11.7	57.9	5,635
ATx399 x RTx430	Texas AgriLife	ML	BZ	P	78	47	4	1.75	4.25	2.25	11.3	55.3	5,625
XG1213	Advanta US Inc	ME	BZ	R	78	44	3	1.50	3.25	3.75	11.8	57.7	5,586
GW 9417	Gayland Ward Seed	ML	R	P	79	52	2	2.00	4.50	4.50	11.9	58.8	5,424
Exp 9010	Gayland Ward Seed	M	BZ	P	82	50	3	2.50	4.50	4.75	12.0	56.9	5,373
3696	Golden Acres	ML	BZ	P	78	49	4	1.75	3.50	2.25	12.0	57.7	5,270
ATx631 x RTx436	Texas AgriLife	ML	W	T	83	55	5	1.75	3.75	3.75	11.6	58.4	5,226
5613	Golden Acres	M	BZ	P	79	48	5	1.25	3.50	1.75	12.0	58.3	5,135
AG3101	Advanta US	ML	R	R	79	52	5	3.00	5.25	3.00	12.0	59.0	4,605
Integra 3660	Wilbur-Ellis/Integra	M	R	P	79	44	4	2.00	3.50	1.75	11.8	58.4	4,377
AG2101	Advanta	M	R	R	78	45	2	1.25	3.50	1.50	11.7	57.3	4,228
ATx645 x RTx2783	Texas AgriLife	M	R	R	86	52	2	2.25	5.00	6.00	11.8	55.8	3,760
NK8831	Sorghum Partners	ML	BZ	P	82	43	3	2.75	4.50	5.50	11.9	55.8	3,583
				Mean	81.3	49.7	3.4	1.7	3.5	2.8	11.8	57.8	5,904
				C.V.	1.90	3.72	30.64	43.06	24.51	27.14	2.36	1.73	16.29
				L.S.D. .05	2.20	2.66	1.50	1.02	1.23	1.09	0.44	1.58	1,516

# TEXAS

## Danevang

Hybrid	Brand	Maturity	Grain Color	Plant Color	50% Bloom	Height (in)	Head Exertion (in)	% Lodge	% Midge	% Moist	TW (lb/bu)	Yield (lb/A)
Integra 3650	Wilbur-Ellis /Integra	M	R	P	80	45	5	0.0	0.0	12.2	54.5	5,504
REV® RV9823™	Terral Seed	ML	BZ	P	84	51	5	0.0	2.5	14.0	59.9	5,429
REV® RV9782™	Terral Seed	ML	R	P	81	48	4	1.3	0.0	13.6	59.5	5,427
Integra 3670	Wilbur-Ellis /Integra	ML	BZ	P	79	52	6	7.5	0.0	14.0	58.7	5,396
84P80	DuPont Pioneer	ML	R	R	83	51	4	3.7	0.6	13.8	59.6	5,329
AG2101	Advanta	M	R	R	80	48	6	0.0	0.0	13.4	58.1	5,263
DEKALB DKS44-20	Monsanto	M	BZ	P	84	50	6	0.0	0.0	14.9	58.9	5,196
Integra 3660	Wilbur-Ellis /Integra	M	R	P	80	47	7	2.5	0.0	14.2	59.6	5,122
DEKALB DKS51-01	Monsanto	ML	BZ	P	84	56	6	0.0	0.0	14.3	60.4	5,116
Exp 9059	Gayland Ward Seed	ME	BZ	P	82	47	6	0.0	0.0	13.7	57.3	5,058
3696	Golden Acres Genetics	ML	BZ	P	80	49	6	7.1	0.0	14.2	58.5	5,054
REV® RV9562™	Terral Seed	ME	R	P	83	51	5	5.0	0.0	13.8	59.8	5,051
84G62	DuPont Pioneer	ML	BZ	R	85	48	3	0.0	5.0	13.7	59.4	5,051
REV® RV9973™	Terral Seed	L	R	P	86	49	2	0.0	0.0	14.7	58.9	5,028
DEKALB DKS49-45	Monsanto	M	BZ	P	85	52	4	1.1	0.0	14.1	59.1	4,957
REV® RV9924™	Terral Seed	L	R	P	84	51	3	7.5	3.8	14.2	58.5	4,957
83G19	DuPont Pioneer	ML	BZ	R	80	52	5	11.3	0.0	14.3	59.6	4,946
83P99	DuPont Pioneer	ML	BZ	R	85	49	3	0.0	0.0	13.6	58.9	4,939
TR457	Triumph Seed	-	-	-	80	44	5	0.0	0.0	13.3	57.7	4,933
TR4941	Triumph Seed	-	-	-	80	50	6	15.5	16.4	13.5	58.8	4,904
Exp 9061	Gayland Ward Seed	M	BZ	P	83	48	3	0.0	0.0	13.4	55.9	4,891
AG3201	Advanta	ML	BZ	R	80	49	6	12.5	2.5	14.4	59.1	4,854
AG2103	Advanta	ME	R	R	82	48	6	2.5	0.0	13.8	59.3	4,743
ATx631 x RTx436	Texas AgriLife	ML	W	T	84	58	5	0.0	0.0	14.0	59.7	4,646
SP7868	Sorghum Partners	ML	BZ	P	80	54	9	16.3	0.0	14.6	60.7	4,464
REV® RV9883™	Terral Seed	ML	R	P	84	52	4	3.8	8.8	14.2	58.5	4,416
NK8416	Sorghum Partners	L	BZ	P	82	58	7	27.5	0.0	14.4	61.0	4,395
REV® RV9803™	Terral Seed	ML	R	P	83	46	4	0.0	0.0	14.3	57.7	4,393
SP6929	Sorghum Partners	ML	BZ	P	82	47	6	0.0	0.0	14.3	59.3	4,318
TR4951	Triumph Seed	-	-	-	85	53	4	7.5	0.0	13.4	57.5	4,307
5613	Golden Acres Genetics	M	BZ	P	82	49	5	0.0	7.5	14.0	58.2	4,299
GW 9417	Gayland Ward Seed	ML	R	P	78	54	5	15.4	0.2	14.5	60.2	4,253
KS735	Sorghum Partners	ML	BZ	P	81	50	6	15.0	5.0	13.5	58.4	4,228
ATx2752 x RTx430	Texas AgriLife	ML	BZ	P	80	53	5	12.5	0.0	14.4	58.9	4,188
AG3101	Advanta	ME	BZ	R	80	53	8	45.4	0.2	15.0	61.5	4,126
SP6638	Sorghum Partners	M	BZ	P	82	50	6	18.8	12.5	14.7	59.5	4,039
ATx399 x RTx430	Texas AgriLife	ML	BZ	P	78	50	6	0.5	0.0	14.1	55.9	3,962
REV® RV9794™	Terral Seed	M	R	P	84	52	5	0.0	17.5	14.7	58.1	3,683
ATx645 x RTx437	Texas AgriLife	M	R	R	85	50	3	5.0	0.0	13.5	58.3	3,418
GW 9480	Gayland Ward Seed	M	R	P	86	50	3	6.3	0.0	14.3	59.4	3,417
ATx378 x RTx430	Texas AgriLife	ML	BZ	P	83	53	5	53.8	0.0	14.3	57.6	3,352
ATx645 x RTx2783	Texas AgriLife	M	R	R	84	51	4	6.1	0.0	14.7	59.4	3,351
Exp 9011	Gayland Ward Seed	M	R	P	85	53	6	11.3	0.0	15.0	59.6	3,346
NK8831	Sorghum Partners	ML	BZ	P	84	45	3	33.7	0.6	14.5	58.6	3,269

# TEXAS

## Danevang, continued

Exp 9010	Gayland Ward Seed	M	R	P	83	52	3	41.3	0.0	15.1	59.1	3,084
				Mean	82.4	50.4	4.7	8.4	2.4	14.1	58.83	4,571
				C.V.	1.68	3.16	22.65	95.29	375.19	4.92	1.48	15.14
				L.S.D. .05	2.06	2.33	1.56	11.76	NS	1.02	1.28	1,013

## Farmersville

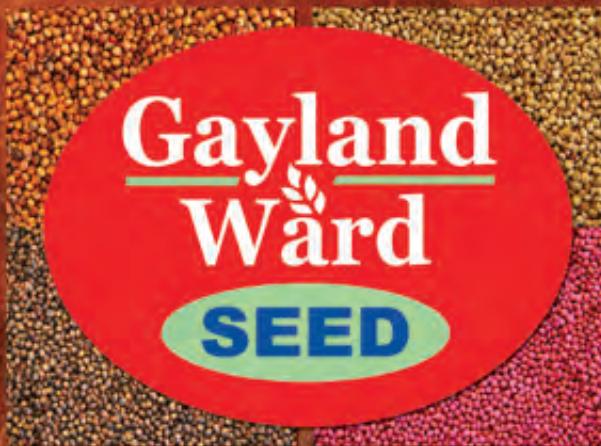
Hybrid	Brand	Maturity	Grain Color	Plant Color	50% Bloom	Height (in)	Head Exertion (in)	% Lodge	% Stand	% Moist	TW (lb/bu)	Yield (lb/A)
DeKalb DKS51-01	Monsanto	ML	BZ	P	76	57	4	0.0	100.0	10.5	62.0	7,191
Integra 3670	Wilbur-Ellis/Integra	ML	BZ	P	72	55	4	0.0	100.0	12.0	61.0	7,132
84G62	DuPont Pioneer	ML	BZ	P	74	53	2	0.0	100.0	11.6	61.6	7,110
REV® RV9924™	Terral Seed	L	R	P	75	56	3	0.0	100.0	11.4	60.6	7,059
DeKalb DKS53-67	Monsanto	ML	BZ	P	74	52	2	0.0	100.0	13.4	62.4	6,782
5556	Golden Acres	ME	R	P	72	50	4	0.0	100.0	11.7	61.2	6,747
84P80	DuPont Pioneer	ML	R	P	74	55	2	0.0	92.5	12.1	61.7	6,745
REV® RV9782™	Terral Seed	ML	R	P	72	52	3	0.0	92.5	11.9	61.4	6,661
TR4941	Triumph Seed	-	-	-	73	54	3	2.3	100.0	12.1	60.8	6,649
REV® RV9794™	Terral Seed	M	R	P	77	55	4	0.0	92.5	12.4	61.3	6,543
REV® RV9883™	Terral Seed	ML	R	P	75	56	3	0.0	90.0	12.9	60.6	6,535
REV® RV9562™	Terral Seed	ME	R	P	73	53	3	0.0	100.0	11.9	61.5	6,428
Integra 3660	Wilbur-Ellis/Integra	M	R	P	72	50	4	0.0	87.5	11.7	61.3	6,410
REV® RV9803™	Terral Seed	ML	R	P	74	52	2	0.0	91.3	12.1	61.1	6,389



# TEXAS

5613	Golden Acres	M	BZ	P	72	54	4	0.0	91.3	12.1	59.9	6,291
REV® RV9973™	Terral Seed	L	R	P	79	51	1	0.0	92.5	12.7	61.5	6,200
Integra 3650	Wilbur-Ellis/Integra	M	R	P	73	48	3	0.0	100.0	12.0	57.5	6,149
TR85131	Triumph Seed	-	-	-	76	51	3	0.0	100.0	13.5	60.6	6,144
DeKalb DKS38-88	Monsanto	ME	BZ	P	72	57	5	0.0	96.3	12.1	61.4	6,125
NK7633	Sorghum Partners	ML	BZ	P	73	52	5	0.0	97.5	14.2	61.6	6,099
85G01	DuPont Pioneer	M	R	P	72	54	3	0.0	100.0	11.3	61.1	5,992
REV® RV9823™	Terral Seed	ML	BZ	P	76	54	4	0.0	95.0	13.3	61.9	5,962
KS585	Sorghum Partners	M	BZ	P	69	50	5	0.0	100.0	13.0	61.9	5,951
TR457	Triumph Seed	-	-	-	75	47	2	0.0	88.8	12.4	60.7	5,904
NK5418	Sorghum Partners	M	BZ	P	70	45	3	0.0	97.5	12.4	60.2	5,904
ATx399 x RTx430	Texas AgriLife	ML	BZ	P	75	51	3	2.5	85.0	12.1	58.7	5,823
ATx2752 x RTx430	Texas AgriLife	ML	BZ	P	76	52	2	6.3	85.0	12.5	60.1	5,780
TR4951	Triumph Seed	-	-	-	81	57	4	0.5	80.0	11.7	60.0	5,762
ATx631 x RTx436	Texas AgriLife	ML	W	T	71	54	2	2.5	82.5	13.4	61.5	5,326
TR24871	Triumph Seed	-	-	-	77	48	2	0.0	76.3	13.1	60.7	5,162
Exp 9059	Gayland Ward	ME	BZ	P	72	52	5	0.0	100.0	14.4	59.5	5,026
ATx645 x RTx2783	Texas AgriLife	M	R	R	78	53	1	26.3	65.0	14.4	61.0	4,769
ATx645 x RTx437	Texas AgriLife	M	R	R	76	50	2	2.5	65.0	12.7	60.3	4,584
ATx378 x RTx430	Texas AgriLife	ML	BZ	P	75	53	2	13.8	63.8	13.4	60.0	4,375
<b>Mean</b>					<b>74.1</b>	<b>52.4</b>	<b>2.9</b>	<b>1.7</b>	<b>91.4</b>	<b>12.5</b>	<b>60.85</b>	<b>6,109</b>
<b>C.V.</b>					<b>3.68</b>	<b>2.82</b>	<b>23.88</b>	<b>299.54</b>	<b>7.01</b>	<b>8.39</b>	<b>0.63</b>	<b>6.96</b>
<b>L.S.D. .05</b>					<b>3.92</b>	<b>2.13</b>	<b>1.00</b>	<b>7.16</b>	<b>9.22</b>	<b>1.51</b>	<b>0.55</b>	<b>615</b>

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# TEXAS

## Gregory

Hybrid	Brand	Maturity	Grain Color	Plant Color	50% Bloom	Height (in)	Head Exertion (in)	% Lodge	% Moist	TW (lb/bu)	Yield (lb/A)
DEKALB DKS51-01	Monsanto	ML	BZ	P	84	52	7	0.0	12.2	60.3	5,562
3545	Golden Acres Genetics	M	BZ	P	83	49	8	0.0	11.3	59.8	5,431
DEKALB DKS49-45	Monsanto	M	BZ	P	85	47	6	0.0	12.3	60.2	5,313
REV® RV9924™	Terral Seed	L	R	P	84	46	3	0.0	10.7	59.3	5,263
84P80	DuPont Pioneer	ML	R	R	84	44	3	0.0	11.8	60.4	4,978
AG3201	Advanta	ML	BZ	R	82	46	5	0.0	12.6	59.6	4,970
NK8416	Sorghum Partners	L	BZ	P	85	54	6	0.0	11.6	60.8	4,954
SP6929	Sorghum Partners	ML	BZ	P	83	48	8	0.0	12.5	60.3	4,875
83G19	DuPont Pioneer	ML	BZ	R	83	45	4	2.5	11.0	60.3	4,868
83P99	DuPont Pioneer	ML	BZ	R	87	42	2	0.0	11.9	60.7	4,746
GW 9417	Gayland Ward Seed	M	R	P	83	52	5	10.0	12.1	60.8	4,710
REV® RV9823™	Terral Seed	ML	BZ	P	84	45	4	0.0	11.7	61.0	4,661
Integra 3670	Wilbur-Ellis /Integra	ML	BZ	P	82	45	5	2.5	12.0	60.2	4,648
REV® RV9782™	Terral Seed	ML	R	P	83	45	4	3.8	11.4	61.0	4,585
TRX15401	Triumph Seed	-	-	-	86	48	3	0.0	11.8	60.1	4,579
REV® RV9562™	Terral Seed	ME	R	P	83	42	4	0.0	11.2	60.8	4,567
5556	Golden Acres Genetics	ME	R	P	82	41	8	0.0	11.2	60.9	4,529
Integra 3650	Wilbur-Ellis /Integra	M	R	P	81	43	6	0.0	10.5	56.6	4,515
5613	Golden Acres Genetics	M	BZ	P	83	44	7	0.0	11.6	60.6	4,488
REV® RV9883™	Terral Seed	ML	R	P	85	48	4	0.0	11.3	59.6	4,448
XG1213	Advanta US Inc	ME	BZ	R	84	43	5	0.0	11.5	59.9	4,440
DEKALB DKS53-67	Monsanto	ML	BZ	P	86	45	4	0.0	13.0	61.8	4,431
84G62	DuPont Pioneer	ML	BZ	R	86	42	2	0.0	11.5	60.7	4,397
ATx378 x RTx430	Texas AgriLife	ML	BZ	P	84	54	6	0.0	11.8	59.2	4,360
TR4941	Triumph Seed	-	-	-	82	43	5	0.0	11.4	60.1	4,356
REV® RV9973™	Terral Seed	L	R	P	87	43	2	0.0	11.6	60.1	4,346
AG2103	Advanta US Inc	ME	R	R	83	41	8	2.5	11.7	61.0	4,340
Exp 9059	Gayland Ward Seed	ME	BZ	P	83	46	8	0.0	12.7	57.0	4,243
Integra 3660	Wilbur-Ellis /Integra	M	R	P	82	42	7	3.8	11.6	60.6	4,201
AG2101	Advanta US Inc	M	R	R	83	45	5	0.0	11.3	59.4	4,183
REV® RV9803™	Terral Seed	ML	R	P	84	41	4	0.0	11.8	60.4	4,120
KS735	Sorghum Partners	ML	BZ	P	83	45	5	2.5	11.3	60.1	4,079
SP7868	Sorghum Partners	ML	BZ	P	84	50	9	5.0	12.4	61.9	4,064
REV® RV9794™	Terral Seed	M	R	P	85	46	4	1.3	11.1	59.6	4,029
NK8831	Sorghum Partners	ML	BZ	P	84	47	5	12.5	11.2	60.6	4,024
GW 9480	Gayland Ward Seed	M	R	P	86	51	4	16.3	12.2	61.9	3,907
ATx645 x RTx437	Texas AgriLife	M	R	R	84	50	5	5.0	12.4	59.5	3,813
Exp 9061	Gayland Ward Seed	M	BZ	P	83	45	6	0.0	13.2	57.2	3,801
ATx2752 x RTx430	Texas AgriLife	ML	BZ	P	83	43	5	5.0	11.8	60.5	3,782
TR457	Triumph Seed	-	-	-	82	42	7	10.0	11.5	60.2	3,594
ATx645 x RTx2783	Texas AgriLife	ML	R	R	86	51	4	7.5	13.1	60.8	3,576
ATx399 x RTx430	Texas AgriLife	ML	BZ	P	83	44	6	16.3	12.2	59.9	3,532
ATx631 x RTx436	Texas AgriLife	ML	W	T	84	46	4	10.0	11.5	60.4	3,459
TRX24871	Triumph Seed	-	-	-	88	43	4	0.0	12.2	60.2	3,398

# TEXAS

## Gregory, continued

		<b>Mean</b>	<b>83.9</b>	<b>45.5</b>	<b>4.8</b>	<b>2.3</b>	<b>11.8</b>	<b>60.2</b>	<b>4,444</b>
		<b>C.V.</b>	<b>0.92</b>	<b>4.98</b>	<b>20.46</b>	<b>294.55</b>	<b>8.32</b>	<b>1.20</b>	<b>15.15</b>
		<b>L.S.D. .05</b>	<b>1.10</b>	<b>3.22</b>	<b>1.39</b>	<b>9.73</b>	<b>NS</b>	<b>1.02</b>	<b>957</b>

## Hereford

Hybrid	Brand	Maturity	Grain Color	Plant Color	50% Bloom	Height (in)	Head Exertion (in)	% Lodge	Desirability Rating	% Moisture	TW (lb/bu)	Yield (lb/A)
DEKALB DKS53-67	Monsanto	ML	BZ	P	67	53	5	0.0	9.3	13.9	61.5	9,072
REV® RV9924™	Terral Seed Inc.	L	R	P	70	54	6	0.5	9.4	11.0	59.6	9,070
84P80	DuPont Pioneer	ML	R	P	67	54	6	0.0	9.5	10.6	59.6	9,018
DEKALB DKS49-45	Monsanto	ML	BZ	P	66	57	7	0.0	9.4	12.5	60.6	8,835
DEKALB DKS51-01	Monsanto	ML	BZ	P	66	57	8	0.5	9.3	11.0	61.8	8,528
REV® RV9794™	Terral Seed Inc.	M	R	P	71	55	7	0.0	9.5	11.1	58.4	8,386
84G62	DuPont Pioneer	ML	BZ	P	68	53	4	0.0	9.2	11.8	60.3	8,326
85Y40	DuPont Pioneer	M	WH	P	66	52	6	1.3	9.1	11.7	61.3	8,201
BH 5566	B-H Genetics	ML	BZ	P	66	53	7	1.3	9.4	12.5	59.6	7,967
REV® RV9562™	Terral Seed Inc.	ME	R	P	65	52	6	0.0	9.3	10.3	59.5	7,939
REV® RV9803™	Terral Seed Inc.	ML	R	P	65	53	7	0.5	9.2	11.0	59.7	7,926
BH 5224	B-H Genetics	M	BZ	P	65	52	8	1.0	8.9	10.9	59.2	7,918
REV® RV9883™	Terral Seed Inc.	ML	R	P	67	55	7	1.3	9.4	11.2	60.2	7,849
BH 5350	B-H Genetics	M	R	P	66	49	6	1.3	9.1	11.3	55.8	7,789
ATx2752 x RTx430	Texas AgriLife	ML	BZ	P	67	52	5	0.0	9.0	11.9	60.2	7,736
REV® RV9973™	Terral Seed Inc.	L	R	P	72	53	6	0.0	8.9	11.0	59.5	7,650
REV® RV9782™	Terral Seed Inc.	ML	R	P	65	50	6	6.3	9.1	11.9	59.8	7,636
5613	Golden Acres Genetics	M	BZ	P	65	52	7	3.3	9.1	10.6	59.6	7,630
Exp 9059	Gayland Ward Seed Co.	ME	BZ	P	65	53	9	0.0	9.5	13.2	57.9	7,626
REV® RV9823™	Terral Seed Inc.	ML	BZ	P	70	54	7	0.0	9.1	11.3	60.8	7,416
ATx399 x RTx430	Texas AgriLife	ML	BZ	P	67	52	7	9.8	8.8	11.6	57.6	7,319
ATx378 x RTx430	Texas AgriLife	ML	BZ	P	67	55	7	0.0	8.7	11.3	58.5	7,152
ATx631 x RTx436	Texas AgriLife	ML	W	T	67	58	7	5.0	9.0	12.6	60.5	7,137
ATx645 x RTx2783	Texas AgriLife	M	R	R	68	54	6	4.3	8.9	12.8	61.2	6,893
ATx645 x RTx437	Texas AgriLife	M	R	R	65	52	5	7.5	9.1	12.0	61.1	6,793
H390W	Golden Acres Genetics	ME	CR	P	65	46	6	0.5	8.7	11.3	59.4	6,725
GW 9480	Gayland Ward Seed Co.	ML	R	P	66	56	7	3.3	9.2	10.9	61.2	6,655
5556	Golden Acres Genetics	ME	R	P	65	46	8	4.3	9.0	11.3	60.2	6,634
KS585	Sorghum Partners	M	BZ	P	64	50	6	13.3	9.1	11.1	60.1	6,321
NK7829	Sorghum Partners	ML	BZ	P	67	55	8	13.8	8.9	12.2	60.0	6,269
NK5418	Sorghum Partners	M	BZ	P	62	45	7	12.5	8.9	10.9	58.3	5,715
SP3425	Sorghum Partners	ME	BZ	P	59	42	7	5.0	8.7	10.7	59.4	5,488
Mean					<b>66.2</b>	<b>52.3</b>	<b>6.4</b>	<b>3.0</b>	<b>9.1</b>	<b>11.5</b>	<b>59.8</b>	<b>7,551</b>
C.V.					<b>1.34</b>	<b>2.53</b>	<b>12.31</b>	<b>211.69</b>	<b>2.1</b>	<b>9.24</b>	<b>1.42</b>	<b>11.88</b>
L.S.D. .05					<b>1.28</b>	<b>1.90</b>	<b>1.14</b>	<b>9.20</b>	<b>0.3</b>	<b>1.57</b>	<b>1.23</b>	<b>1,294</b>



# TEXAS

## Hondo

Hybrid	Brand	Maturity	Grain Color	Plant Color	50% Bloom	Height (in)	Head Exertion (in)	% Moisture	TW (lb/bu)	Yield (lb/A)
83P99	DuPont Pioneer	ML	BZ	R	83	55	5	12.8	62.2	9,841
REV® RV9924™	Terral Seed	L	R	P	81	60	5	12.5	60.9	9,784
DEKALB DKS51-01	Monsanto	ML	BZ	P	79	61	7	13.2	61.9	9,530
84P80	DuPont Pioneer	ML	R	R	79	57	5	12.9	62.1	9,477
Fill	Texas AgriLife	ML	R	R	79	58	6	13.1	62.4	9,295
84G62	DuPont Pioneer	ML	BZ	R	81	56	5	13.4	62.4	9,241
3696	Golden Acres	ML	BZ	P	75	56	5	13.7	60.7	8,941
REV® RV9782™	Terral Seed	ML	R	P	73	56	6	13.2	61.2	8,895
DEKALB DKS49-45	Monsanto	M	BZ	P	79	61	7	13.2	61.5	8,880
83G19	DuPont Pioneer	ML	BZ	R	75	59	6	12.5	61.0	8,789
TR4941	Triumph Seed	-	-	-	75	56	6	13.2	60.4	8,625
REV® RV9883™	Terral Seed	ML	R	P	78	58	7	12.4	60.6	8,605
Integra 3670	Wilbur-Ellis/Integra	ML	BZ	P	75	56	6	13.2	60.7	8,586
REV® RV9562™	Terral Seed	ME	R	P	75	57	7	13.3	61.0	8,561
NK7829	Sorghum Partners	ML	BZ	P	80	58	7	13.7	61.5	8,552
DEKALB DKS44-20	Monsanto	M	BZ	P	79	54	6	13.3	61.6	8,512
NK8416	Sorghum Partners	L	BZ	P	81	64	6	12.9	62.2	8,444
GW 9480	Gayland Ward Seed	M	R	P	81	58	4	13.5	61.5	8,404
ATx2752 x RTx430	Texas AgriLife	ML	BZ	P	79	59	5	13.3	61.2	8,353
REV® RV9794™	Terral Seed	M	R	P	80	56	7	12.9	60.9	8,281
ATx645 x RTx437	Texas AgriLife	M	R	R	84	61	6	14.0	61.4	8,230
ATx399 x RTx430	Texas AgriLife	ML	BZ	P	77	53	6	13.0	59.7	8,220
ATx631 x RTx436	Texas AgriLife	ML	W	T	81	65	7	14.0	61.9	8,179
REV® RV9973™	Terral Seed	L	R	P	84	54	5	13.0	61.1	8,171
ATx645 x RTx2783	Texas AgriLife	M	R	R	86	62	5	14.4	61.6	8,158
REV® RV9823™	Terral Seed	ML	BZ	P	82	55	6	12.7	61.4	8,131
SP7868	Sorghum Partners	ML	BZ	P	77	58	9	12.8	62.0	8,130
KS735	Sorghum Partners	ML	BZ	P	81	57	5	12.8	60.7	8,085
GW 9417	Gayland Ward Seed	ML	BZ	P	78	60	6	13.2	61.5	8,082
5613	Golden Acres	M	BZ	P	74	57	7	13.1	60.0	8,064
Integra 3650	Wilbur-Ellis/Integra	M	R	P	74	49	6	12.5	57.8	7,894
SP6929	Sorghum Partners	ML	BZ	P	76	55	7	13.3	61.1	7,802
Exp 9059	Gayland Ward Seed	ME	BZ	P	74	54	8	13.4	59.9	7,714
REV® RV9803™	Terral Seed	ML	R	P	78	56	6	12.6	60.3	7,706
Integra 3660	Wilbur-Ellis/Integra	M	R	P	75	51	6	13.1	61.4	7,503
TR457	Triumph Seed	-	-	-	74	52	6	12.1	59.0	7,243
ATx378 x RTx430	Texas AgriLife	ML	BZ	P	84	66	5	13.1	60.4	6,740
					Mean	78.50	57.27	5.89	13.11	61.15
					C.V.	2.65	3.05	15.96	4.51	1.09
					L.S.D. .05	3.03	2.51	1.35	0.86	0.97
										828











# TEXAS

## Thrall, continued

REV® RV9803™	Terral Seed	ML	R	P	87	53	5	0.0	100.0	0.0	12.4	57.3	5,155
5556	Golden Acres	ME	R	P	84	51	6	0.5	100.0	0.0	10.8	57.2	5,132
5613	Golden Acres	M	BZ	P	83	56	7	0.8	100.0	0.0	11.5	56.3	5,113
TR457	Triumph Seed	-	-	-	85	50	5	3.3	100.0	0.0	11.7	55.7	5,021
AG2102	Advanta	M	R	R	84	48	5	0.8	100.0	0.0	10.8	53.5	4,996
XG1213	Advanta	ME	BZ	R	84	50	6	0.5	100.0	0.0	11.5	56.9	4,976
Integra 3670	Wilbur-Ellis/Integra	ML	BZ	P	84	55	6	3.3	100.0	0.0	12.6	55.5	4,955
REV® RV9883™	Terral Seed	ML	R	P	88	55	5	1.3	100.0	0.0	10.9	56.4	4,952
AG2103	Advanta	ME	R	R	84	54	6	0.5	100.0	0.0	11.4	57.9	4,896
Exp 9059	Gayland Ward Seed	ME	BZ	P	85	53	7	0.0	100.0	0.0	12.8	55.1	4,857
Integra 3650	Wilbur-Ellis/Integra	M	R	P	85	48	5	0.5	100.0	0.0	11.9	53.6	4,835
REV® RV9562™	Terral Seed	ME	R	P	86	54	5	3.8	100.0	0.0	13.0	57.8	4,789
KS735	Sorghum Partners	ML	BZ	P	84	54	5	7.5	100.0	0.0	11.1	55.8	4,777
NK5418	Sorghum Partners	M	BZ	P	81	47	5	0.0	100.0	1.3	11.3	55.2	4,771
SP6929	Sorghum Partners	ML	BZ	P	85	54	7	2.5	96.3	0.0	13.0	59.0	4,729
ATx2752 x RTx430	Texas AgriLife	ML	BZ	P	86	55	5	16.8	100.0	0.0	13.0	56.1	4,479
TR4951	Triumph Seed	-	-	-	89	56	5	2.3	100.0	0.0	9.6	53.1	4,455
AG3101	Advanta	ML	R	R	85	59	7	15.8	100.0	0.0	12.1	58.4	4,346
KS585	Sorghum Partners	M	BZ	P	78	51	7	0.0	100.0	0.0	12.9	56.7	4,240
REV® RV9973™	Terral Seed	L	R	P	91	53	4	0.0	100.0	2.5	12.5	57.8	4,208
Exp 9061	Gayland Ward Seed	M	BZ	P	85	54	5	0.0	100.0	0.2	12.2	55.5	4,116
ATx399 x RTx430	Texas AgriLife	ML	BZ	P	85	52	5	17.5	100.0	0.0	11.8	53.2	4,096
GW 9417	Gayland Ward Seed	ML	R	P	84	60	5	20.0	100.0	0.0	12.1	57.7	4,012
TR24871	Triumph Seed	-	-	-	89	50	4	0.0	97.5	0.0	9.9	56.3	3,912
ATx645 x RTx437	Texas AgriLife	M	R	R	88	54	5	13.3	72.5	0.0	12.9	56.1	3,797
GW 9480	Gayland Ward Seed	M	R	P	88	56	4	13.8	95.0	0.0	11.7	57.6	3,623
ATx645 x RTx2783	Texas AgriLife	M	R	R	89	56	4	13.8	75.0	5.0	12.2	57.6	3,432
ATx631 x RTx436	Texas AgriLife	ML	W	T	92	56	3	2.8	100.0	16.3	11.5	55.8	3,073
ATx378 x RTx430	Texas AgriLife	ML	BZ	P	86	60	5	36.3	87.5	2.0	12.2	54.8	3,064
<b>Mean</b>	<b>85.7</b>	<b>53.8</b>	<b>5.1</b>	<b>4.3</b>	<b>98.3</b>	<b>0.6</b>	<b>11.9</b>	<b>56.75</b>	<b>4,813</b>				
<b>C.V.</b>	<b>1.28</b>	<b>3.34</b>	<b>16.53</b>	<b>146.55</b>	<b>3.32</b>	<b>629.1</b>	<b>9.29</b>	<b>1.64</b>	<b>10.70</b>				
<b>L.S.D. .05</b>	<b>1.57</b>	<b>2.57</b>	<b>1.21</b>	<b>9.07</b>	<b>4.66</b>	<b>5.4</b>	<b>1.59</b>	<b>1.33</b>	<b>737</b>				

Notes: No. Smut = Number of plants showing smut. Reading were obtained at harvest from each plot in all replications and averaged.

Notes: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05. Those hybrids entered by Texas AgriLife are being tested as experimental check hybrids. Appreciation is expressed to Mr. Rick Aukerman, Deaf Smith County CEA for securing flowering data and maintaining the test block throughout the growing. Maturity classification designated by respective seed companies: E=Early, M=Medium, ML=Medium Late, L=Late. Those hybrids with an asterisk (\*) indicates company did not submit maturity. Grain color designated by respective seed companies: R=Red, Bz=Bronze, W=White, Cm=Cream, Y=Yellow. Those hybrids with an asterisk (\*) indicates company did not submit grain color. Plant color designated by respective seed companies: T=Tan, R=Red, P=Purple. Those hybrids with an asterisk (\*) indicates company did not submit plant color. Desirability rating key is as follows: 1=Very Poor; 10=Excellent. Yields corrected to 14% moisture. For further information about this report, contact Mr. Dennis Pietsch, Crop Testing Director, Texas AgriLife, College Station, TX, (979) 845-8505, Dpietsch@ag.tamu.edu. Please visit the Crop Testing webpage at <http://varietytesting.tamu.edu>.

Notes: Appreciation is expressed to Mr. Andy Scott, Director of Research, Rio Farms, Inc.; Mr. Eddie Hernandez, Research Associate Rio Farms, Inc.; and Mr. Juan Garza, Farm Manager, Rio Farms, Inc. for their assistance in conducting tests in Monte Alto. Those hybrids entered by the Texas A&M AgriLife Research are being tested as experimental check hybrids. 84P80 was used as a fill plot 10 times.

# Putting Water First



Photo by Lauren Heinrich

**I**N CALLING FOR A 50-YEAR WATER VISION TO be delivered at the 2014 Governor's Water Conference, Kansas Governor Sam Brownback designated water as a key priority for state leaders, especially farmers.

"Water and the Kansas economy are directly linked," said Governor Brownback, reinforcing the urgency of developing a water plan. "Water is a finite resource, and without further planning and action, we will no longer be able to meet our state's current needs, let alone growth."

Intertwined with the urgency for a water plan is an articulated vision for sorghum to provide a viable cropping mix option for producers facing new water realities.

While there is a wide spectrum of Kansas water-related issues, the main focus for the governor's water vision is water supply such as the Ogallala Aquifer, the key water resource to western Kansas agriculture.

Covering more than 30,000 square miles in western and central Kansas, the Ogallala is part of the larger High Plains Aquifer, which spans underneath eight states. At present rates, the Ogallala Aquifer is declining faster than it is recharging. A recent study from Kansas State Univer-

sity determined at this rate with no changes in the next 50 years the Ogallala will be 70 percent depleted.

Greg Graff is a grower who serves on the Kansas Grain Sorghum Commission as well as the Kansas Water Authority, the statutory entity that, along with the Kansas Water Office, consults with and advises the governor and legislature. Graff says his region is only pumping 25 to 30 percent of its allocated amount, but the wells are still declining.

"Our five-county area is looking at a management plan to further reduce pumping," Graff said. "Our area should have started the water conversation at least 10 years ago, but since we didn't, area farmers are dealing with highly depleted wells yielding 100-200 gallons per minute."

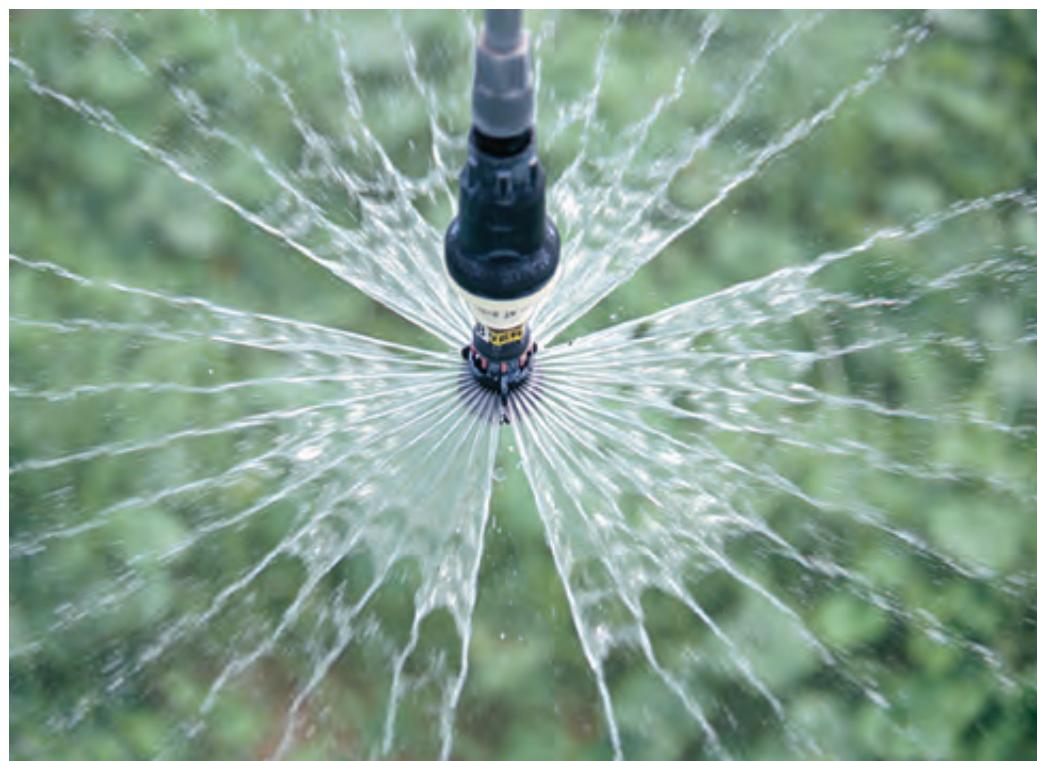
"If you wait to address water until you have low yielding wells, you will have limited your management options due to how long it takes to apply water. With depleting wells, our farm finds that using a crop rotation using water conserving crops like sorghum is key to managing the water we do have."

Water is critical to the western Kansas economic engine. One of the most robust agricultural regions in the United

States lies in eight western Kansas counties. According to the 2007 U.S. Census of Agriculture, Scott, Haskell, Finney, Gray, Grant, Ford, Wichita and Seward counties together sold more than \$4.7 billion in crops and livestock. The eight-county contribution represents about one-third of total agricultural revenue for the entire state of Kansas and it is the heart of sorghum country.

Newly appointed Kansas Secretary of Agriculture Jackie McClaskey knows the importance of water to Western Kansas and says to grow, Kansas agriculture must have a vision for water.

"There should be balance in our approach, recognizing the critical need for conservation to preserve the long-term viability of the aquifer while still providing the economic opportunities for farmers to be able to sustain and grow their businesses," McClaskey said. "In Kansas, we are committed to being a strong partner and giving farmers the tools necessary to be successful. We understand the farmers and ranchers concerns and want to make every effort to ensure the water resource is available for future generations."



The Ogallala Aquifer covers more than 30,000 square miles in western and central Kansas. At present rates, the aquifer is declining faster than it is recharging. Photograph courtesy of Lindsay Irrigation

Gary Harshberger, a sorghum farmer and chair of the Kansas Water Authority, has been a leader in the Kansas water conversation. Harshberger said as producers deal with declining water supplies, as groundwater management districts consider Local Enhanced Management Areas (LEMAs), and as the Kansas Water Authority, Kansas Water Office and Kansas Department of Agriculture work on the governor's 50-year water vision, farmers will be looking for options to do more with less.

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The grain infrastructure already exists...the sorghum basis will be stronger than it has ever been.

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"Other crops will be one area in which to look and sorghum will be an excellent option," Harshberger said. "The grain infrastructure already exists, and with the pork industry and the addition of our ethanol plants in our

state, the sorghum basis will be stronger than it has ever been."

Developing a water plan necessitates the need for good resources and tools. A recent NPR story proclaimed sorghum as the 'Camel of Crops.' Sorghum Checkoff Crop Improvement Director Justin Weinheimer says sorghum is a water efficient grain crop.

"Sorghum can provide an alternative for growers who are struggling to keep up with irrigation demands," Weinheimer said. "In an environment where irrigation capacity is declining, it can diversify the irrigated risk profile by spreading the timing of peak water demand when grown in

conjunction with another crop. With good management farmers can expect high return on investments on irrigated sorghum, particularly in low water settings."

It takes only six inches of total water to produce the first bushel of grain sorghum, and, in normal conditions, sorghum produces approximately 8.5 bushels of grain per acre for every inch of total water.

A visioning team comprised of officials from the Kansas Water Office, Kansas Department of Agriculture and Kansas Water Authority will be conducting coordinated outreach with many stakeholders throughout the state representing all uses of water.

Harshberger envisions efforts during the next six months will focus on continuing to work with the Ogallala Advisory Committee on ways to conserve and extend the aquifer, moving the culture from consumption to that of conservation, and working with the GMDs and producers as they work toward forming LEMAs.

“

This water vision will be about protecting this valuable resource while making sure our agriculture economy continues to grow.

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"Working with and listening to the people of Kansas on developing a comprehensive 50-year water vision to ensure our state will have the water resources necessary to grow and prosper will be extremely important," Harshberger said.

Kansas Water Office director Tracy Streeter says Kansas water conversation has picked up a new pace.

"Kansans are interested in their water future, and a top priority is hearing from water users as we develop the Vision for the Future of Water in Kansas," Streeter said.

Feedback gained from stakeholder meetings will serve as the basis of the draft 50-Year Vision for Water. The

team's stakeholder outreach will also make use of existing committees of the Kansas Water Authority, including the Basin Advisory Committees, Ogallala Aquifer Advisory Committee, Reservoir Advisory Committee and the Kansas Aqueduct Stakeholder Committee.

"Members of the visioning team are attending dozens of meetings across Kansas this winter," Streeter said. "We want to hear Kansans' priorities for water and what they envision long-term for our state's water resources."

Kansas sorghum farmers are encouraged to take time to be involved in the Kansas water conversation and help be a part of the solution. To submit your own comments or get more information about the Kansas Governor's Call to Action on the 50-Year Vision, visit [www.kwo.org](http://www.kwo.org).

"For generations, farms have focused on transferring the land to the next generation," Secretary McClaskey said. "This water vision will be about protecting this valuable resource while making sure our agriculture economy continues to grow. Together we can work to make that vision a reality." ■

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## Sorghum Kids Cover Contest

By Jennifer Blackburn

**L**AST SPRING WE CHALLENGED FARMERS TO send in photos of their children or grandchildren who helped out in sorghum fields this past growing season for a chance to enter National Sorghum Producers' first Sorghum Kids Cover Contest.

The winner and young man on the cover of this issue is four-year-old Kase Martin of Carmen, Okla., standing alongside his dad Kent Martin. Kase will be the sixth generation to farm some of their farm ground, which has been passed down through the family since it was homesteaded in 1905 by Kase's great-great-grandfather Mac Nelson.

The Martins say grain sorghum will play an essential role in the longevity of their farm for future generations.

"Sorghum is a crop that we can depend on for a relatively consistent yield under a variety of environmental conditions ranging from excess moisture to drought and cold temperature to excessive heat," the Martins said. "Because of some of the characteristics of grain sorghum, it is a risk-minimizing crop in our rotation. Sorghum has helped us to control difficult weeds that were persisting in the continuous wheat crop. It also allows us to break disease and insect cycles."

"Sorghum is our primary summer crop that shifts our growing season from the traditional winter crop common in Oklahoma to a summer crop. Other crop possibilities won't work because of the water demand and the inconsistent yields because of our location."

As for Kase's favorite things to do on the farm, riding the tractor comes in as a close second to riding the combine. Kase is not fond of taking naps, but he loves to take them on the tractor. Watching the implements being pulled through the field lures him to sleep.

"One afternoon, Kase wanted to help bale hay," his mother Konya said. "We brought some toys for him to play with



This photo of four-year-old Kase Martin of Carmen, Okla., is the winner of our Sorghum Kids Cover Contest.

to keep him entertained and piled up coats for him to sit on next to the tractor. He asked if he could watch the hay go into the baler and watch the belts spin around. He watched for about 30 minutes until he was hypnotized and fell asleep."

Konya said Kase always has a story to tell about working on the farm and a couple of the more memorable things he has said include: "I'm in charge of two things: Waking up Katelee (Kase's 5 ½-year-old sister) and dirt," and "It is a hungry combine!" She also said he was convinced once

while riding in the sprayer they were spraying to chase the snakes and spiders out of the field.

Kent and Konya Martin say the key things they want their children to learn growing up on the farm are the importance of agriculture and knowing where food comes from, honesty and hard work, an appreciation for God's miracle of growing seeds, newborn baby calves, and the harvest they receive, and also how to stand up for agriculture and defend it against misguided public perceptions. ¶

## Sorghum Kids Cover Contest

### 2nd Place



Our second place Sorghum Kids Contest photograph was submitted by Elizabeth Bloss of Pawnee City, Neb. The photo features their grandson Ezekiel helping his grandfather Don with harvest.

### 3rd Place



The third place Sorghum Kids Contest photograph was sent in by Troy and Joyce Skarke of Claude, Texas. The photo features their grandson Harrison helping out on the farm.

### Honorable Mentions



Photo of Allie Mussa, submitted by Tracey Mussa of Kansas.



Photo submitted by Alan Lingo.



Photo of Gus Bowers submitted by Tiffany Bowers.



Photo of Spencer Cramer of Healy, Kan., submitted by Becky Vandike.



Photo submitted by Pat Damman of Dighton, Kan.

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# Sorghum Update

*Brought to you by the Kansas Grain Sorghum Commission*

## K-State 2014 Sorghum Production Schools

The Kansas Grain Sorghum Commission is excited to announce the dates for 2014 Sorghum School events. The schools are sponsored by KGSC and supported by the United Sorghum Checkoff, Chromatin/Sorghum Partners, KFRM radio station and Bayer CropScience.

These schools have been very successful the past few years, and we are looking forward to this year's program. The one-day schools will cover a number of issues facing Kansas sorghum growers, including sorghum for risk management, irrigation management, weed control strategies, crop production practices, nutrient and soil fertility, insect, and disease management. Certification credits will be offered (CCA credits).

### 2014 Sorghum School Locations

**February 11**  
**Scott City, Kansas**  
 William Carpenter 4 H Building

**February 2**  
**Beloit, Kansas**  
 NC Kansas Technical College Auditorium

**February 13**  
**Wichita, Kansas**  
 Sedgwick Count Extension Center

**February 14**  
**Manhattan, Kansas**  
 International Grains Program Building

For more information about the schools contact Ignacio Ciampitti, Crop Production/Cropping Systems Specialist, [Ciampitti@ksu.edu](mailto:Ciampitti@ksu.edu) or Curtis Thompson, Weed Management, [cthompson@ksu.edu](mailto:cthompson@ksu.edu).

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The Kansas Grain Sorghum Commission (KGSC) is focused on increasing grain sorghum profitability and being recognized as a valuable asset by the Kansas grain sorghum producer. The KGSC directs the investment of funds generated by the grain sorghum check-off to enhance the profitability of the grain sorghum producer. The KGSC has invested over a million dollars in research since the United Sorghum Checkoff began.

Kansas continues to rank first in grain sorghum production in the United States with over 50 percent of the market. The Kansas Grain Sorghum Commission continues to work with research groups to find ways to increase sorghum production in Kansas, as it is a vital part of the Kansas economy.

*For more information about the Kansas Grain Sorghum Commission, check out our website at [www.ksgrainsorghum.org](http://www.ksgrainsorghum.org).*

*Contact: KGSC Administrator Jill Barnhardt 795 22nd Rd NW, Lebo, KS 66856  
 (785) 341-6433, [jill@ksgrainsorghum.org](mailto:jill@ksgrainsorghum.org), [www.ksgrainsorghum.org](http://www.ksgrainsorghum.org).*



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Winter 2014

## Sorghum Checkoff Invests \$1.85 to Further Producer Productivity, Profitability

The United Sorghum Checkoff Program board of directors invested \$1.85 million to fund proposals targeted at furthering sorghum growers' productivity and profitability. The commitment, which was approved at a Dec. 10 board meeting, concludes the request for proposals that started June 2013.

The Sorghum Checkoff board, external committee members and staff dedicated the past several months to reviewing projects in the crop improvement, high value and renewable priority areas.

The Sorghum Checkoff received 86 funding requests totaling \$16.8 million.

"Response from this RFP process reflects the energy sorghum growers are generating in both our public and private research communities," said Florentino Lopez, Sorghum Checkoff executive director. "Producer leaders take seriously their responsibility to move the industry forward through investing dollars in the right projects."

The Sorghum Checkoff board of directors worked through proposals in a committee and board leadership process that included advice and expertise from external committee members.

"External committee members and staff are critical to the process," said Jeff Casten, Sorghum Checkoff board member from Quenemo, Kan. "Advancing the sorghum industry requires technical science, which requires specific

expertise. As a producer, I am grateful for the time and energy our external members and staff dedicate to this important process."

During the Sorghum Checkoff's December board meeting, producer leaders made a final decision on the projects to address key priorities for the sorghum industry.

The Sorghum Checkoff approved the following 16 projects:

- Dr. Gary Pederson, USDA ARS was funded \$100,000 for new genetic introduction.
- Dr. William Rooney, Texas A&M AgriLife Research was funded \$264,885 for new genetic introduction.
- Dr. Patricia Brown, University of Illinois was funded



- \$29,906 for new genetic introduction.
- Dr. Nancy Turner, Texas A&M AgriLife was funded \$9,000 for food development.
- JPZ Consulting was funded \$69,800 for the companion animal industry development.
- Dr. Bob Goodband, Kansas State University was funded \$64,865 for livestock nutrition.
- Dr. Sung Woo Kim, North Carolina University was funded \$98,103 for livestock nutrition.
- Dr. Vicki Schlegel, University of Nebraska was funded \$226,696 for food development.
- Dr. Davina Rhodes, University of South Carolina was funded \$26,000 for food development.
- Dr. Rebecca Lochmann, University of Arkansas was funded \$29,628 for livestock nutrition.
- Dr. Sajid Alavi, Kansas State University was funded \$68,550 for the companion animal industry.
- Greg Aldrich, Kansas State University was funded

- \$119,700 for the companion animal industry.
- Dr. Gillian Eggleston, USDA ARS was funded \$19,600 for biofuels enhancement.
- Dr. Robert Moreau, USDA ARS was funded \$314,083 for co-product enhancement.
- Joseph James, Agri-Tech Producers was funded \$275,000 for biofuels enhancement.
- Dr. Donghai Wang, Kansas State University was funded \$140,000 for biofuels enhancement.

Funding of these proposals is contingent on approval from USDA Agricultural Marketing Service.

"The funded projects are a key part of the Sorghum Checkoff strategy to moving the industry forward," said Stewart Weaver, Sorghum Checkoff chairman. "The board is excited to see the dividends that our investment in these projects pays to sorghum farmers."



## Bice Joins USCP as High Value Markets Program Director

The Sorghum Checkoff has named Doug Bice of St. Louis, Mo., as the organization's High Value Markets program director.

In this role, Bice will provide leadership in the sorghum industry in high value markets by identifying critical issues relating to high value and/or added value sorghum marketplaces while coordinating a national agenda to focus market priorities to allow sorghum to compete favorably with other commodities. Bice will also be responsible for determining what can be done to develop, expand and promote sorghum marketplaces both domestically and internationally. These markets can range from current areas such as livestock feeds to newer markets such as pet foods and beyond.

"We are excited to welcome Doug to the Sorghum Checkoff team as director of our High Value Markets program," said Florentino Lopez, Sorghum Checkoff executive director. "Doug brings a wealth of experience to the organization and possesses a passion for the industry that will help the Sorghum Checkoff continue the development and creation of market opportunities for sorghum growers."

Bice was formerly the corporate project development manager for Abengoa Bioenergy where he oversaw a variety of renewable energy projects and focused on value-added commodities and specialty chemicals derived from biofuel production. His background also includes experience with the University of Missouri-Rolla as an adjunct professor and an environmental specialist.



*As the Sorghum Checkoff program director for high value markets, Doug will work to focus market priorities to allow sorghum to compete favorably with other crops.*

# Leadership Sorghum Class I Graduates, Class II Recruitment Begins

**T**he first class of Leadership Sorghum completed their fifth and final session of the program this week during the Sorghum Checkoff board of directors meeting in Lubbock, Texas. The 15 sorghum growers who made up the first class of Leadership Sorghum, a program sponsored by the Sorghum Checkoff to develop the next generation of leaders for the sorghum industry, represent eight states and a wide range of farming regions.

The 16-month, five-session program exposes participants to various aspects of the U.S. sorghum industry from basic research to international marketing. The final session was held during a Sorghum Checkoff board meeting to give class members the opportunity to learn about board operations. A graduation ceremony was also held signifying the class' completion of the program.

"From what I have observed through Leadership Sorghum, one can be assured that our checkoff investment is being used wisely and prudently," said Martin Kerschen of Garden Plain, Kan. "The program has allowed us to see how sorghum can and will grow in the future."

The Leadership Sorghum program also provides participants with valuable networking opportunities and professional development.

"This program has really shown me the value of producer leadership in commodity organizations, as well as the broad diversity and opportunities that exist within the sorghum industry," said Class I member Luke Sayes, a sorghum grower from Larto, La. "This has been a phenomenal experience, and I would recommend this program to any grower interested in getting involved in the sorghum industry."

Sorghum Checkoff Chairman, Stewart Weaver of Edmondson, Ark., says he feels confident the graduates of



*Leadership Sorghum Class I (L to R) Josh Levin, Joey Rieder, Mike Baker, Luke Sayes, Johnnie Tyndall, Shayne Suppes, Tanner Ehmke, Stephen Bigge, Adam Schindler, Paul Morris, Seth Martin, Jordan Shearer, Matt Splitter and Martin Kerschen. Not pictured: Pat Damman.*

the first Leadership Sorghum class will make a lasting impact on the sorghum industry.

"The Sorghum Checkoff board of directors is excited to see the enthusiasm and interest exhibited by this first Leadership Sorghum class," Weaver said. "This program is a great way to develop future leaders, whether they serve on state or national level boards or act as advocates out in the countryside."

The Sorghum Checkoff will open the application process for Leadership Sorghum Class II in Feb. 2014. For more information about the program and a schedule of Class II, visit [www.SorghumCheckoff.com/leadership](http://www.SorghumCheckoff.com/leadership). 

## Leadership Sorghum Class II Schedule

February 2014	Applications available
April 30, 2014	Applications due to USCP office
Late May 2014	Interviews with selected applicants
Late June 2014	Class II announced
Sept. 2014	Session 1, Texas Panhandle
November 2014	Session 2, Kansas
February 2015	Session 3, Washington, D.C.
July 2015	Session 4, Gulf
Dec. 2015	Session 5, Graduation

# Secretary Vilsack Announces United Sorghum Checkoff Program Board Appointments

**A**griculture Secretary Tom Vilsack has appointed four members to serve on the United Sorghum Checkoff Program Board. Members will serve three-year terms.

Producers appointed to the board are Clayton J. Short of Assaria, Kan., Martin G. Kerschen of Garden Plain, Kan., Daniel L. Krienke of Perryton, Texas, and one at-large member, Kathy J. Brorman of Hereford, Texas.

The board is structured so that the state with the largest production is allocated five positions. The state with the second largest production is allocated three positions. The state with the third largest production is allocated one position. There are four at-large national positions for which at least two representatives must be appointed from states other than the top three sorghum producing states. The maximum number of producers from one state is limited to six.

The 13-member board is authorized by the Commodity Promotion, Research, and Information Act of 1996. The Secretary selected the appointees from sorghum producers nominated by certified sorghum producer organizations. Research and promotion programs are industry-funded, authorized by Congress, and date back to 1966. Since then, Congress has authorized the establishment of 21 research and promotion boards. They empower farmers and ranchers to leverage their own resources to develop new markets, strengthen existing markets and conduct important research and promo-

tion activities. The Agricultural Marketing Service (AMS) provides oversight, paid for by industry assessments, which ensures fiscal responsibility, program efficiency and fair treatment of participating stakeholders. ✓

4



Martin Kerschen  
Garden Plain, Kansas



Dan Krienke  
Perryton, Texas



Kathy Brorman  
Hereford, Texas



Clayton Short  
Assaria, Kansas

## Sorghum Industry Events

Jan. 21, 2014 – Sorghum U  
*Grand Island, Neb.*

Jan. 23, 2014 – Sorghum U  
*Hays, Kan.*

Jan. 28-29, 2014 – No-Till on the Plains  
*Salina, Kan.*

Feb. 27-March 1, 2014 – Commodity Classic  
*San Antonio, Texas*

## SORGHUM CHECKOFF MISSION:

USCP commits to efficiently invest checkoff dollars to increase producer profitability and enhance the sorghum industry.

## CONTACT US:

Jenna Hightower  
Communications Coordinator  
(877) 643-8727  
[jenna@sorghumcheckoff.com](mailto:jenna@sorghumcheckoff.com)



# Sorghum Shortcuts

## 2014 Commodity Classic

It is almost that time of year again. The 2014 Commodity Classic will be held in San Antonio, Texas, Feb. 27-March 1. America's largest farmer-led, farmer-focused convention and trade show will feature NSP's annual Sorghum General Session as well as other breakout sessions that guarantee you will walk away with ideas and energy that will have a profitable impact on your farm. For more info, visit [commodityclassic.com](http://commodityclassic.com).



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## NSP Members: Get Discounts with Creekside Farms

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<b>REDUCED-TILL IRRIGATED</b>				
1st Ki Gamble	Kansas	Edwards	215.00	84G62
2nd Duane L. Vorderstrasse	Nebraska	Harlan	171.03	84G62
3rd Steven Haywood	Arkansas	Clay	147.82	84P80
<b>NO-TILL NON-IRRIGATED</b>				
1st Gary Resco	Kansas	Cloud	176.39	84P80
3rd Laurence W. Chappell	North Carolina	Perquimans	132.12	84P80
<b>MULCH-TILL NON-IRRIGATED</b>				
2nd Bob Shearer	Pennsylvania	Lancaster	162.81	84G62
<b>DOUBLE CROP NON-IRRIGATED</b>				
3rd D & M Farms	Arkansas	Jackson	129.61	84G62
<b>DOUBLE CROP IRRIGATED</b>				
3rd D & M Farms	Arkansas	Jackson	117.37	84G62
<b>CONVENTIONAL-TILL NON-IRRIGATED</b>				
1st David Justice	Kansas	Cherokee	144.84	84G62
2nd Mike Shearer	Pennsylvania	Lancaster	170.45	84G62
<b>CONVENTIONAL-TILL IRRIGATED</b>				
1st Eric Parkley	Texas	Lamb	194.97	85Y40
2nd Jim Boehlke Bell-Key Farms	Idaho	Canyon	193.66	85Y40
<b>IRRIGATED BIN BUSTER AWARD</b>				
Ki Gamble	Kansas	Edwards	215.00	84G62
<b>NON-IRRIGATED BIN BUSTER AWARD</b>				
John W. Williams	Illinois	White	186.35	84G62

*National winners selected from state 1st place winners.*

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Learn more about the National Sorghum Producers Yield and Management Contest at [pioneer.com/nsp](http://pioneer.com/nsp).

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