



# ***Kansas Grain Sorghum Commission***

## ***2011 Annual Report***

***Vision:*** *The Kansas Grain Sorghum Commission is focused on increasing grain sorghum profitability and being recognized as a valuable asset by the Kansas grain sorghum producer.*

***Mission:*** *The Kansas Grain Sorghum Commission directs the investment of funds generated by the grain sorghum check-off to enhance the profitability of the Kansas grain sorghum producer.*

From the Chairman of the Kansas Grain Sorghum Commission...Clayton Short, 2<sup>nd</sup> generation sorghum producer from Assaria, KS. Clayton says he sees three things in the future of Kansas grain sorghum. “1) Increase in yields and gain in acres. 2) Capturing acres that have limited irrigation or water restricted areas-sorghum is the water sipping crop. 3) Many CRP contracts will expire in the near future. Much of this land is not irrigated and has marginal soils. The sorghum industry has an opportunity to gain acres by providing hybrids and herbicides that will enable producers to utilize this land and make it profitable.”

### ***Kansas Passback Dollars***

Many changes have occurred over the last few years in the sorghum industry. In July 2008, the national sorghum checkoff went into effect. The checkoff rate is 0.6 percent of the harvested net market value of grain sorghum.

The United Sorghum Checkoff Program (USCP) distributes the national checkoff dollars based on percent of production, to those states with an existing sorghum checkoff program, like Kansas. The Kansas Grain Sorghum Checkoff was suspended (not collected) in lieu of USCP. USCP pass backed 18% of the collections in FY2009 for a total of \$557,104.00 and 25% in FY2010 for a total of \$855,655.59 to Kansas. This means that Kansas collections as a percentage of the total collections for FY2009 = 43% and FY 2010 = 54%.

The FY 2009 (first) payment funded research and market promotion from July 2010 to June 2011. Over \$400,000 went to research and \$36,000 to market promotion. With the FY2010 (second) payment the commission was able to increase all the research by almost \$120,000. KGSC funded \$528,000 in research that began on March 1, 2011 and will be completed on Sept 30, 2011. We were also able to contribute \$29,000 to market promotion and \$10,000 to education. (See full list of projects funded on page 3.)

The commission has funded research with the Kansas sorghum producer in mind. Kansas State University researchers continue to work on post-emergent weed and grass control, increasing yields, improving standability, and developing drought and cold tolerant traits. The checkoff has also made strides in expanding markets to find new uses and markets for Kansas sorghum. Whether they are funding research to improve yields or building new and existing markets, the Kansas Grain Sorghum Commission is putting your sorghum checkoff dollars to work for you.

***Kansas continues to rank 1st in grain sorghum production in the United States with 54% of the market. Kansas production totaled 171 million bushels in 2010, a decrease from last year. 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.***

## ***Referendum***

The Sorghum Promotion, Research and Information order requires that a referendum be conducted no later than three years after the start of assessments. The order requires a simple majority vote in favor of the program for it to continue. Sorghum producers had the opportunity to vote in the month of February whether or not to continue the United Sorghum Checkoff Program. The results of the referendum will be announced early this spring.

## ***United Sorghum Checkoff Program***

The USCP board is comprised of 13 sorghum producers. Five of those board members are from Kansas (3 members serving on the Kansas Grain Sorghum Commission and 2 members serving on the Kansas Grain Sorghum Producers Association). Kansas is fortunate to have our leaders involved at the national level.

The Sorghum Checkoff was established to improve the profitability of the sorghum industry through research, promotion and education. With your checkoff dollars, the Sorghum Checkoff is moving sorghum forward through:

- Yield and Profitability – Working with DuPont to bring post-emergent grass and weed control to your field. Kansas Commission helped fund the initial research on the new technology.
- Grain Sorghum Production handbooks – Kansas Commission attended several industry events and meetings to get these handbooks out to the farmers.
- Growing International Markets – Mexico, Morocco, Israel and Japan account for 96% of the export market. New marketplaces including Korea, the Philippines, Taiwan and Vietnam have committed to or have received sorghum exports from the U.S.

Checkout the USCP at [www.sorghumcheckoff.com](http://www.sorghumcheckoff.com).

## ***Sorghum Market Distribution***

The U.S. sorghum industry is comprised of a variety of markets: Exports 32.7%, ethanol 24.9%, livestock feed 31.5%, food aid 9.6%, seed reserves .5% and other industries make up .8 %. Potential new markets such as the food and baking industry, birdseed and aquaculture could change markets in the future.

## ***Great Plains Center for Sorghum Improvement and Utilization***

The KGSC assisted in getting the Great Plains Center for Sorghum Improvement and Utilization up and going. KGSC continues to fund the center supporting sorghum research activities. The Centers objectives are as follows:

- Improve the yield potential, production efficiency, and food, feed and bioenergy value of sorghum, through plant breeding and genetics.
- Develop new uses for sorghum in food and non-food applications, emphasizing the grain's desirable characteristics, such as the absence of gluten and low glycemic index.
- Identify more efficient production strategies that will enhance water and nutrient use, particularly N, and provide new options for the control of weeds and pests, to increase sorghum yield and profits.
- Expand research on sorghum as a bioenergy crop uniquely adapted to drier regions of the US.
- Provide market and policy analysis and develop educational programs for different sorghum based products and production systems to increase profitability of all segments of the U.S. sorghum industry.

<b>Kansas Grain Sorghum Commission</b>		
<b>July 2010 to June 2011 Projects Funded</b>		
<b>Research Project Title</b>	<b>PI</b>	<b>Total \$</b>
Development of Sorghum Germplasm With Enhanced Drought Tolerance & Higher Grain Yield	Perumal	\$ 50,000.00
Effect of Decortication on Feed Quality of Sorghum DDGS	Drouillard	\$ 20,000.00
Hays Greenhouse		\$ 10,000.00
Improving Grain Sorghum Yields with Starter, Foliar, & Iron Nutrients	Martin -Ruiz	\$ 13,800.00
Improving Sorghum Yield and Profitability Through Efficient Nitrogen Use	Mengel	\$ 20,000.00
Screening Sorghum Germplasm for Abiotic Stress Tolerance and Biofuel Production	Prasad	\$ 52,000.00
Breeding Grain Sorghum for Improved Dryland Production	Tesso	\$ 69,800.00
Managing Difficult Weeds With A Potential New Herbicide: Huskie	Thompson	\$ 20,000.00
Development & Utilization of Sorghum as Feedstock for Biofuel Production	Wang	\$ 25,000.00
Genetic Analysis of Drought Tolerance in Grain Sorghum Programs	Yu	\$ 60,000.00
Center for Sorghum Improvement		\$ 50,000.00
Purchase & Modification of Sorghum Forage Harvester	Staggenborg	\$ 10,000.00
Interaction of Grain Sorghum Planting Dates & Hybrid Maturities	Roozeboom	\$ 8,000.00
<b>Research Total</b>		<b>\$ 408,600.00</b>
<b>Market Promotion</b>		
US Grain Council		\$ 16,000.00
International Grain Program		\$ 20,000.00
<b>Market Promotion Total</b>		<b>\$ 36,000.00</b>
<b>TOTAL for July 2010 to June 2011</b>		<b>\$ 444,600.00</b>
<b>March to September 2011 Projects Funded</b>		
<b>Research Project Title</b>	<b>PI</b>	<b>Total \$</b>
Evaluating Advanced Breeding Lines & New Sources for Cold Tolerance in Sorghum	Aiken	\$ 12,215.00
Novel Sorghum Based Food Products for Infant, Young Children and Adult Nutrition	Alavi	\$ 37,140.00
Screening Exotic Sorghum Germplasm to Identify New Sources of Stalk Rot Resistance	Little	\$ 16,390.00
Increasing Sorghum Yield and Profitability through Efficient Nitrogen Use	Mengel	\$ 15,517.00
Sorghum Flour Processing and Development of Sorghum-based Gluten-Free Baked Products	Miller	\$ 25,000.00
Harvest and Residue Management of Sorghum to Facilitate Double-Cropped Wheat	Nelson	\$ 9,123.00
Development of Sorghum Germplasm with Enhanced Drought Tolerance & Higher Grain Yield	Perumal	\$ 50,000.00
Screening Sorghum Genotypes for Abiotic Stress Tolerance and Biofuel Production	Prasad	\$ 52,000.00
Interaction of Grain Sorghum Planting Date, Hybrid Maturity, Row Spacing, and Seeding Rate in KS Environments	Roozeboom	\$ 11,783.00
Developing Sorghum Flours with Increased Resistant Starch Content for Health Benefits	Shi	\$ 27,167.00
Managing Glyphosate-Resistant Kochia Preplant & Postplanting in No-till Grain Sorghum	Stahlman	\$ 10,726.00
Breeding Sorghum for Improved Production and Utilization	Tesso	\$ 81,200.00
Perspectives	Araujo	\$ 32,728.00
Development & Utilization of Sorghum as Feedstock for Biofuel Production	Wang	\$ 25,000.00
Genetic Analysis of Drought Tolerance in Grain Sorghum	Yu	\$ 60,000.00
Effect of starch content on functional quality of sorghum	Wilson, Bean	\$ 12,364.00
Great Plain Center for Sorghum Improvement and Utilization		\$ 50,000.00
		<b>\$ 528,353.00</b>
<b>Market Promotion / Education</b>		
US Grain Council		\$ 6,000.00
Market Development Grant - International Grains Program		\$ 20,000.00
KARL Program		\$ 2,500.00
Kansas FFA Foundation		\$ 500.00
Kansas Grain and Feed Association		\$ 900.00
Kansas Foundation for Ag in the Classroom		\$ 10,000.00
<b>Total Market Promotion / Education</b>		<b>\$ 39,900.00</b>
<b>TOTAL for March 2011 to September 2011</b>		<b>\$ 568,253.00</b>

### ***International Grain Program (IGP)***

KGSC continues to support IGP in their activities. The Mission of IGP is....To provide innovative and relevant education and technical programs to enhance the market preference, consumption and utilization of U.S. cereal grains, oilseeds and their value-added products for the global grain industry. IGP hosted 5 sorghum specific workshops in 2010; Sorghum usage, sorghum buyers short course, purchasing sorghum, risk management and milling & baking of sorghum. Participants were from Egypt, Morocco, Mexico, Europe, Taiwan and other countries. Some of these workshops were held with the U.S. Grain Council, which KGSC is a member. In general, IGP had 477 course participants and 43 countries represented. It is critical that KGSC support IGP to continue educating other countries about the commodities in Kansas. IGP is also working on a Sorghum Quality report using the information gathered from samples supplied by elevators.

### ***Fiscal year end changes***

Previous fiscal year was July 1 to June 30. The new fiscal year will be October 1 to September 30. In order for KGSC to align with the fiscal year of the national sorghum checkoff we had to have a 15 month year from July 1, 2009 to September 30, 2010. We began the new fiscal year on October 1, 2010.

### ***New Administrator***

Jill Barnhardt was hired as the Administrator for the commission on August 1, 2010. She will work part – time (20 hours a week). Barnhardt will be responsible for coordinating Commission’s projects, which are designed to strengthen, expand and develop new foreign and domestic markets for sorghum.

District 1 - Richard Calliham - Colby, (785)462-2459

District 2 - Greg Graff - Marienthal (620)379-4677

District 3 - Boyd Funk - Garden City (620)521-2463, Secretary / Treasurer

District 4 - Bill Greving - Prairie View (785)973-2224

District 5 – Clayton Short - Assaria (785) 667-3833, Chairman

District 6 - Dennis Siefkes - Hudson (620)458-5222

District 7 - Kurt Staggenborg – Marysville (785)562-3275

District 8 - Jeff Casten – Quenemo (785)759-3520, Vice-chairperson

District 9 - Gary Kilgore - Chanute (620)431-0636

Administrator - Jill Barnhardt

795 22<sup>nd</sup> Rd NW, Lebo, KS 66856

(785) 341-6433, [Jill@ksgrainsorghum.org](mailto:Jill@ksgrainsorghum.org)

[www.ksgrainsorghum.org](http://www.ksgrainsorghum.org)