

MINUTES OF THE HOUSE COMMITTEE ON AGRICULTURE AND SMALL BUSINESS

The meeting was called to order by Representative Susan Roenbaugh at
Chairperson

9:00 a.m./~~p.m.~~ on January 24, 1990 in room 423-S of the Capitol.

All members were present except: Representative Freeman, excused
Representative Jenkins, excused

Committee staff present: Raney Gilliland, Legislative Research
Pat Brunton, Committee Secretary

Conferees appearing before the committee: Craig Polson, Chairman, Kansas Grain Sorghum
Commission, Axtell
Dale Konzem, Chairman, Kansas Soybean Commission,
Beloit
Joe Berry, Chairman, Kansas Wheat Commission,
Lenora
John Wise, Chairman, Kansas Corn Commission,
Linwood

Chairman Roenbaugh welcomed the chairmen of the commodity commissions to the committee and introduced Craig Polson, Chairman, Kansas Grain Sorghum Commission.

Mr. Polson stated there are nine sorghum producers on the board which represent their respective districts of the state. He further stated their primary responsibility is to evaluate and invest check-off funds for activities of benefit to the producer. (Attachment I). A question and answer period followed his presentation.

Dale Konzem, Chairman, Kansas Soybean Commission, assured the committee of the members loyalty and commitment to the responsibility set forth by the commission. He stated they are reviewing at present the implications of a national soybean check-off and it's effect on state programming and the potential for greater product acceptance. Such program may cause a change in the authority now allowed by the commission dependent on the results of a federal marketing order. He stressed if such change results, legislative consideration may be sought allowing for procedural action to collect the national check-off. (Attachment II). Questions and answers followed his remarks.

Joe Berry, Chairman, Kansas Wheat Commission, gave a brief history of the commission since it's creation in 1957 by legislation. He stated the assessment the producer pays is small, but feels the returns to farmers and rural Kansas are large. (Attachment III).

John Wise, Chairman, Kansas Corn Commission, shared highlights of the commission's program. He further stated while difficult to measure the effectiveness of the programs toward economic benefit, it has been the commission's experience to evaluate the needs of the grower prior to selecting any programs for support. (Attachment IV).

The meeting was adjourned at 10:00 a.m. The next meeting of the House Agriculture and Small Business Committee is scheduled for Thursday, January 25, 1990, at 9:00 a.m. in Room 423-S.

Comments by:
Mr. Craig Polson, Axtell, Kansas
Chairman, Kansas Grain Sorghum Commission
24 January 1990

Chairman and members of the committee, I appreciate the opportunity to speak with you today regarding the Kansas Grain Sorghum Commission. As chairman of the commission, I agreed to join the other commission representatives in sharing with you some of the highlights of our program.

There are nine sorghum producers on the board which represent their respective districts of the state. Our primary responsibility is to evaluate and invest check-off funds for activities of benefit to the producer. I'd like to take a few minutes to target a few of those areas.

1) Market development activities are two fold in nature, international and domestic. The Kansas Grain Sorghum Commission is one of only three such programs in the United States and is therefore heavily involved in representing our product abroad as well as within our national borders. Kansas producers currently generate almost 1/2 of all national check-off revenue. Being the #1 grain sorghum producing state, we hold the position of being the leader in support of sorghum's interest in the U.S. Feed Grains Council. We currently pledge twice the investment of Nebraska's Board and seven times that of Texas to foreign market programming. We also have funded programs within the state to promote the use of sorghum in feeding rations in efforts to attract a larger share of the processed grain market within our own state and nation. Through the support of the U.S. Feed Grains Council, sorghum check-off funds are matched with Texas and Nebraska programs, USDA program funding, as well as Targeted Export Assistance dollars to conduct world wide sorghum feeding utilization and processing efforts. Programs in the Middle East, Southeast Asia, and Mexico remain of priority to sorghum activities in developing livestock sectors. Import restrictions and biases of sorghum have slowed export demand, but recent trade commitments and acceptance of the product have expanded sorghum sales. Domestic market promotion within the livestock feeding sector in beef, dairy and poultry producing regions is managed by the Grain Sorghum Promotion Federation. The three check-off states use the Federation as a vehicle to match resources and state expertise in studies and programs unable to be pursued by the individual state. Such entity also assisted with twelve foreign delegations which studied in each of the affiliated states to gather information on feed processing, nutritional management and pricing.

2) Grain sorghum research programs are a priority with the Commission.

Ag. & SB
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ATTACHMENT I

Our support of Kansas State University and its efforts in the areas of sorghum breeding, herbicide management, insecticide management, nutritional improvement and processing are vital to the producers individual program strategies. Kansas check-off dollars support new and ongoing research projects in an amount 8 times that of Texas' current involvement and double that of our bordering state to the north. Kansas has set the pace and will continue to break more new ground than any other research entity and has managed to maintain that position despite the drastically reduced budgets the past two droughts and insect plagued crops have brought us. Enhancements of sorghum research at the Fort Hays Experiment Station and the Garden City Experiment Station have provided valuable information to the livestock feeder and the producer alike.

3) Program support with the Kansas Grain Sorghum Producers Association has provided assistance with beef cattle feeding seminars within the state. Through an investigation which determined the efficiency of steam-flaked sorghum and corn in finishing rations, the Commission and the association have sponsored feeder/processor seminars to share the results of the study. The objective of the study evaluated feeding value, carcass characteristics, and consumer acceptance of beef finished on the steam flaked corn or sorghum. Results determined no differences in carcass evaluation and also showed an equality in relative energy values when comparing the two grains side by side in a stem-flaked ration for finishing cattle. These studies and their results were positively received by the feeding sector and have assisted in providing for an increased interest in sorghum based finish rations.

Each of these efforts, market-development, research and promotion/education are viewed with economic enhancement to the state's sorghum industry. By educating users domestically and abroad and by evaluating the production efficiency of the commodity, an obvious economic impact is realized by the grower.

I would like to close by sharing my appreciation for the committees attention and will certainly answer any questions you might have. The Kansas Grain Sorghum Commission is anxious to continue its efforts on behalf of the producers of Kansas, and will continue to cooperate with the other commission in supporting the activities of the International Grains Program at Kansas State University as well as assisting in the initiation and ongoing endeavors of new use programs within the state.

KANSAS GRAIN SORGHUM COMMISSION

MARKET DEVELOPMENT GRANTS (continued)

U.S. FEED GRAINS COUNCIL	\$160,000
U.S. FEED GRAINS COUNCIL (TARGETED EXPORT ASSISTANCE)	25,000
U.S. MEAT EXPORT FEDERATION	20,000
GRAIN SORGHUM PROMOTION FEDERATION	50,000

RESEARCH GRANTS (continued)

1. "Breeding Grain Sorghum for Improved Dryland Production" Agronomy	18,000
2. "Breeding Sorghum for Tolerance to <u>Fusarium</u> Stalk Rot" Agronomy and Plant Pathology	4,500
3. "Epidemiology and Management of <u>Fusarium</u> Seedling Blight of Grain Sorghum in Kansas" Plant Pathology	6,700
4. "Development of Sorghum Resistant to Production Hazards" Fort Hays Branch Station and Entomology	26,000
5. "Genetic Characterization of Populations of <u>Fusarium</u> <u>moniliforme</u> Isolated from Grain Sorghum in Kansas" Plant Pathology	6,700
6. "Development of Sorghum Resistant to Drought Stress and Spider Mites" Entomology and Agronomy	9,300
7. "Weed Management Systems in Western Kansas Grain Sorghum Production" Southwest Kansas Branch Station	5,900
8. "Rapid, Non-destructive Assessment of Sorghum Resistant to Greenbugs" Entomology and Agronomy	6,700
9. "Development of Grain and Forage Sorghum Resistant to Chinch Bugs" Agronomy	4,900
10. "Estimating Yield Loss from Cutworm Damage to Sorghum" Agronomy and Entomology	6,500
11. "Grain Storage, Handling, and Sanitation Specialist" Department of Grain Science	12,090
12. "Market Development Grant - 'International Grains Program' Department of Grain Science	13,873

RESEARCH GRANTS (new)

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| 13. | "Development of Species Specific DNA Probes to Monitor Levels of Parasitism of Greenbug on Sorghum"
Entomology | 4,556 |
| 14. | "Breeding Sorghum for Improved Digestibility and Feed Efficiency"
Agronomy | 20,000 |
| 15. | "Determining the Role of Seed in Disseminating Bacterial Diseases of Sorghum"
Plant Pathology | 4,801 |
| 16. | "Identifying Acetanilide Herbicide Tolerance in Grain Sorghum"
Agronomy | 2,582 |
| 17. | "Grain Sorghum Plus Processed Tallow vs. Corn as a Dietary Energy Source for Lactating Holstein Cows"
Animal Science and Industry | 8,147 |

KANSAS GRAIN SORGHUM COMMISSION

<u>DISTRICT</u>	<u>NAME AND ADDRESS</u>	<u>TELEPHONE NUMBER</u>	<u>EXPIRATION DATE</u>
I	Tom D. Cook 300 E. Hill Street Colby, KS 67001	(913) 462-7122	06/30/89
II	Galen Diehl RR 1 Leoti, KS 67861	(316) 375-4950 375-4429	11/30/93
III	Gregory Shelor P.O. Box 56 Minneola, KS 67865	(316) 885-4609	11/30/93
IV	Terry Campbell 201 S. River Beloit, KS 67420	(913) 738-3119	09/30/92
V	Leon Suderman RR 2, Box 90 Hillsboro, KS 67083	(316) 947-5968	09/30/92
VI	Nathan Schepmann RR 1, Box 164 Preston, KS 67569	(316) 656-8991	09/30/92
VII	Craig Polson 300 Maple, Box 1 Axtell, KS 66403	(913) 736-2818	06/30/91
VIII	Gene Vining RR 1 Richmond, KS 66080	(913) 835-6598	06/30/91
IX	John Stroble RR 1, Box 33 Elk City, KS 67344	(316) 627-2212	06/30/91

Galen Swenson, Administrator
109 SW 9th Street
Topeka, KS 66612-1282
(913) 296-3738

Chm. '255
" ROENBAUGH
" ALLEN
" BAKER

Comments by:
Mr. Dale Konzem, Chairman, Kansas Soybean Commission
24 January 1990

Chairman and members of your committee, it is a pleasure to have the opportunity to speak with you today regarding the Kansas Soybean Commission. As chairman of the commission I wish to share with you highlights of our program. I serve with six other soybean producers representing seven districts of the state. You have in front of you the current year projects selected by the commission for support. Let me highlight a few of those efforts.

1) Market development activities for Kansas soybeans are conducted in conjunction with twenty-five other state soybean check-off programs through the auspices of the American Soybean Development Foundation (ASDF). Three Kansas producers are members of this forty-six member board. ASDF matches state support with USDA and Targeted Export Assistance grants to provide over 200 export promotions activities in 86 countries. Promotions's utilizing soyoil in West Germany, soybean meal feeding ration trials in Korea, feed mill training in Turkey and Yugoslavia and human dietary nutritional programs in Mexico are representative of projects supported by Kansas soybean check-off dollars. Domestic programming also directed by ASDF with state sponsorship include soyoil consumer programs on saturated fats, soyoil ink promotions now utilized by one-half of the major newspapers, soyoil as a dust suppressant in grain and feedmill operations, and soymeal processing technology for improved beef, dairy, swine and poultry rations.

2) The Kansas Soybean Commission's support of research at Kansas State University, the Parsons Experiment Station and the Garden City Experiment Station plays an integral role in the total soybean research effort in the state. Without commission support Southeast and Southwest Kansas producers would not have adequate production data. Studies in crop rotations, tillage, herbicide and insecticide management, and optimum variety potential are supported for producer benefit. New research areas include studies investigating soybean protein fibers for textiles and extrusion technology for food applications of soybeans.

3) Coordination with the Kansas Soybean Association through regional profit seminars, an annual exposition and a soybean spokesman series are established to educate consumers, producers and processors of soy value. Further coordination was provided last year with ten soybean trade teams visiting Kansas to study soyoil refining, soy nutritional characteristics, handling and storage techniques, and pricing.

Ag. SB
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ATTACHMENT II

While five members are relatively new to the commission, I can assure you of our loyalty and commitment to the responsibility set forth by the commission. Our close relationship with the state and national associations provides insight into the research and marketing issues needed to be addressed. Our relationship with state universities and government keep us aware of timely concerns vital to the growers and his production. We are reviewing at present the implications of a national soybean check-off and it's effect on state programming and the potential for greater product acceptance. Such program may cause a change in the authority now allowed by the commission dependent on the results of a federal marketing order. **If such change results, your consideration, legislatively, may be sought allowing for procedural action to collect the national check-off.**

As you can see we attempt to incorporate all aspects of development into our program which can add economic benefit to the state's soybean industry. By assessing the needs of the grower, the foreign buyer and the domestic user, our program's goals are targeted to address each category's needs.

I will end my remarks by asking for any questions.

Thank you.

Attach: Fiscal Year 1990 Budget
 Commission Member List

FY 90
KANSAS SOYBEAN COMMISSION

MARKET DEVELOPMENT GRANTS (continued)
AMERICAN SOYBEAN DEVELOPMENT FOUNDATION \$206,256

RESEARCH GRANTS (continued)

1. "Agronomic Effects, Profitability, and Riskiness of Long-term Crop Rotations in Southeastern Kansas" Southeast Kansas Branch Station and Agricultural Economics 5,000
2. "Breeding Soybeans for Increased Productivity" Agronomy and Plant Pathology 46,756
3. "Effect of Tillage Systems and Wheel Track Compaction on Soybean and Soil Properties" Southeast Kansas Branch Station and Agronomy 8,891
4. "Development of Computer Software to Assist Soybean Growers in Selecting their Most Optimum Soybean Varieties" Agronomy 2,800
5. "Soybean Cyst Nematode and the Charcoal Rot Fungus: Effect of Soil Factors and Cropping Sequence on their Interaction" Plant Pathology 13,504
6. "Grain Storage, Handling and Sanitation Specialist" Department of Grain Science 12,090
7. "Market Development Grant - International Grains Program" Department of Grain Science 9,876

RESEARCH GRANTS (new)

8. "Soybean Cultivar Development for Southeastern Kansas" Southeast Kansas Branch Station and Agricultural Economics and Agronomy 15,000
9. "Determining Velvetleaf Radius-of-influence Effects Upon Intact and Injured Soybean Stands to Improve Profitability" Entomology 6,000
10. "Weed Management Systems in Western Kansas Soybean Production" Southwest Research-Extension Center 10,000
11. "Development of Soybean Protein Fibers for Textiles Suitable for Soybean/Wool Blend Yarns and Fabrics" Food and Nutrition, Clothing, Textiles, and Interior Design and Chemistry 10,000

KANSAS SOYBEAN COMMISSION

<u>DISTRICT</u>	<u>NAMES & ADDRESS</u>	<u>TELEPHONE NUMBER</u>	<u>EXPIRATION DATE</u>
I	Stanley McCauley RR 1, Box 213 Leona, KS 66532	913-359-6983	11/30/93
II	Russ Sylvester RR 3, Box 213 Ottawa, KS 66067	913-242-3598	11/30/93
III	Gary Parker RR 1, Box 126 Moran, KS 66755	316-496-2452	11/30/93
IV	Mark Wing RR 1 Altoona, KS 66710	316-698-3337	09/30/92
V	Dale Konzem, Chairman 409 N. Hersey Beloit, KS 67420	913-738-3092	09/30/92
VI	Ken Ott, Vice-Chairman RR 2 Mulvane, KS 67110	316-777-1092	09/30/92
VII	W. Stanley Compton RR 2 Larned, KS 67550	316-285-2568	06/30/91

Galen Swenson, Administrator
109 SW 9th Street
Topeka, KS 66612-1282
913-296-3738

KANSAS WHEAT COMMISSION TESTIMONY
BEFORE THE
HOUSE AGRICULTURE AND SMALL BUSINESS COMMITTEE
JANUARY 24, 1990

Chairman Roenbaugh, members of the committee, ladies and gentlemen, my name is Joe Berry. I'm from Lenora in northwest Kansas and am chairman of the Kansas Wheat Commission. On behalf of all four commodity commissions, I thank you for the opportunity to appear before the committee.

The Kansas Wheat Commission was created by legislation in 1957. The commission is funded by an assessment at the first point of sale. The commission office is in Manhattan one mile west of the KSU campus. The commission is directed by seven wheat producers appointed to four year terms by the governor.

In 1988, the Kansas Wheat Commission asked for and received legislative authority to set the assessment at a rate of not more than 10 mills per bushel. On June 1, 1988, the commission set the assessment at 7 mills, which is \$7 per 1000 bushels. Today I would like to review some activities the wheat commission has underway and their impact on wheat producers in Kansas.

1. Kansas wheat producers are in touch with wheat buyers, millers and bakers worldwide through programs of U.S. Wheat Associates and the International Grains Program. U.S. Wheat Associates is 10 years old this month. Building on the 20 year history of Great Plains Wheat and Western Wheat Associates before it, U.S. Wheat Associates now has 14 overseas offices and carries out 350 programs in more than 140 countries. The top wheat and flour buyers in the world visited the U.S. and Kansas this past year, assisted by U.S. Wheat Associates.

One such buyer was Dr. Galal Aboul Dahab, Minister of Supply and Internal Trade for Egypt. Dr. Dahab is the third largest wheat buyer and the world's largest flour buyer. Dr. Dahab is also a Kansas State University graduate who was excited to visit his adopted state. Visits such as this are important in knowing our customers and explaining U.S. wheat and flour qualities.

U.S. Wheat Associates is busy establishing milling and baking schools worldwide to expand the technical expertise in these areas. School instructors are usually trained in Kansas at the International Grains Program or the American Institute of Baking. They go home knowing Americans they can call on for assistance as well as U.S. wheats' milling and baking qualities.

The International Grains Program in Manhattan is 10 years old and provides expertise through short courses here and consultants abroad. Professors teach "world" grain marketing and milling principles due to their extensive interaction with our foreign customers and provide an invaluable service in the marketing of Kansas and U.S. grain.

2. Kansas wheat producers help develop their future wheat varieties through efforts of the wheat commission. We have long supported the wheat breeding effort at Kansas State University (KSU) and its Ft. Hays Experiment Station. Our funding emphasis is on increasing the disease resistance and protein content of Kansas wheat. Protein content is important because Kansas flour mills need a certain level of protein to make their desired products. Without adequate protein in the Kansas crop, our flour mills can be forced to bring in spring wheat from North Dakota to supplement low protein Kansas wheat. Protein content is also important for securing good export markets.

Since 1980, four new wheats have been introduced by the university - Karl, Arkan, Norkan and Dodge. All have higher protein content than the popular varieties they replaced. For the past three years, Arkan has been planted on more Kansas acres than any other wheat variety. Karl will make its impact in the 1990s and should increase protein levels even higher.

Since 1980, the commission has worked with the KSU Plant Pathology Department to establish a Germplasm Resource Bank. This bank has grown to be the largest wild wheat and wheat-related grasses germplasm bank in the U.S.

Such efforts are very important to Kansas farmers and the seed industry. This summer both Cargill and Pioneer dropped their hard red winter wheat breeding programs, citing weak seed laws in this region. Their profit potential continued to be very poor with no protection for their proprietary varieties.

This is an issue with long-term implications on the ability of Kansas farmers to compete with wheat producers in other parts of the U.S. and the world. Seed protection will be an issue here this year. What it directly means for Kansas farmers is that they are left with AgriPro and KSU as their major sources of seed wheat. State and wheat commission funding of KSU's wheat breeding efforts is more important now than at any time in recent years.

3. Wheat producers have created an entirely new class of wheat in the U.S. Since the late 70's, the Kansas Wheat Commission has been funding work at KSU in the development of hard white wheat. This wheat will allow Kansas wheat producers to enter new markets due to the different milling, baking and taste properties of hard white vs. hard red wheat.

The white wheat program proceeded slowly until 1986 when the decision was made to greatly increase the university's efforts. The commission secured matching funding in each of the past three years from the Kansas Technology Enterprise Corporation. Investments averaging \$500,000 per year have greatly enhanced KSU's breeding and market development efforts. These investments also were necessary to encourage AgriPro to go forward with its white wheat program rather than abandon it.

We are aware of the State's tight budget situation and the fact that KTEC funding has been slated by some for cuts in both this and the next fiscal year. We desperately need the full funding this fiscal year and would ask your help in stopping cuts to the KTEC budget. The original agreement was for KTEC to assist the white wheat program for three years. After that the commission would try to continue the program on its own. Due to the drought cutting commission income in half this year, we hope you will maintain KTEC's full funding through June.

The wheat commission's ten year's of work on hard white wheat have led to the creation of a new wheat class under the rules of the Federal Grain Inspection Service. The new Hard White wheat class goes into effect on May 1, 1990.

We also have two private companies in Kansas dealing with white wheat. A for-profit producer cooperative named the

American White Wheat Producers Association (AWWPA) coordinates contract growing of hard white wheat in Kansas and the marketing of flour or bulgur made from the wheat. AWWPA entered into an agreement with Dillons Stores for the production of the first commercial product in Kansas made from hard white wheat. The product is Kansas Wheat Bread and the wheat commission's spokespersons helped Dillons and AWWPA with the bread's introduction last fall. Dillons will soon have another white wheat bread on the market.

Recently, another company has been formed. Located in Ulysses, it is called High Plains Quality Foods. This company is producing hard white wheat tortillas and is pursuing other product ideas.

The first export cargo of hard white wheat left California last month. Markets are being explored aggressively both internationally and within the U.S. and the future is exciting.

4. Wheat producers are working to clean up grain exports. The issue of grain cleanliness is one the commission has worked on for many years. Starting in the late 70s, the commission funded a series of reports which defined the problems involved in grain cleanliness, studied the costs and benefits of grain cleaning, the types of cattle rations wheat cleanings could be used in, plus the reasons some elevators and mills were using

cleaning equipment. These reports along with many articles and meetings have resulted in changes to the grain standards, modifications in the way grain is being purchased and handled, and a reduction in complaints from overseas purchasers.

Due to the need for cleaning equipment, at least four companies are in business in Kansas producing this equipment.

We know of one grain company in western Kansas which is using the small aspirators to test the cleanliness of the wheat and then is paying farmers a premium for wheat which meets certain specified cleanliness standards. We are very encouraged by this development and hope it succeeds and is copied.

5. Wheat producers realize the need to find new food and nonfood uses for their wheat. Research the agriculture committees directed the commission to fund and conduct a few years ago involved new ways of using starch or gluten. The results helped Midwest Grain Products, our nation's largest starch and gluten plant, find new markets for its starch. A new commission project is studying more efficient ways to separate starch and gluten. This research could lead to the use of small wheat starch granules in plastics and expanded starch markets.

The commission is a member of the Wheat Foods Council which strives to increase consumption of wheat foods in the U.S.

Sharon Davis, nutritionist for the Kansas Wheat Commission, is

currently chair of the Wheat Foods Council. Some council programs include sending features to the nation's largest newspapers in the major markets across the country plus exhibiting at large national/international shows such as the National Restaurant Association convention, the largest convention in the U.S. with attendance of over 100,000. Current Wheat Foods Council activities involve such groups as the American Cancer Society, National Association of Pizza Operators, American Airlines & New Orleans Saints football team.

Due to the short harvests of the past few years, we were forced to reduce this year's budget by \$600,000. For the first time ever we are not full members of U.S. Wheat Associates. Reductions in funding to the International Grains Program, research projects and many other commission projects were necessary. The commission is currently short two staff members. However, the commissioners plan to stay at the seven mill assessment level for the foreseeable future. We are hopeful that Kansas will have more normal crops and that commission funding can be carried out without an assessment increase.

I thank you for the opportunity to discuss some of the Kansas Wheat Commission programs with you today. The assessment the producer pays is small, but I feel the returns to farmers and rural Kansas are large. I will be glad to answer questions.

Comments by:
Mr. John Wise, Linwood, Kansas
Chairman, Kansas Corn Commission
24 January 1990

Chairman and members of your committee, it is a pleasure to have the opportunity to speak with you today regarding the Kansas Corn Commission. As chairman of the commission I agreed to join the other commission representatives to share with you highlights of our program. I serve with eight other corn producers on the commission to evaluate and invest check-off funds for activities of benefit to the producer who contribute to such program. You have in front of you the current year projects selected by the commission for support. Let me highlight a few of those efforts. 1) The market development grants with the U.S. Feed Grains Council, and U.S. Meat Export Federation provide foreign market enhancement support to on-going programs in 15 countries. Projects funds are matched with fourteen other state check off programs along with USDA funds to support pilot feed mills in Central China, and the Russian Republics, corn processing trials in Korea and Taiwan and food supply and quality demonstrations in Japan and Venezuela. Domestic marketing efforts conducted by the National Corn Development Foundation concentrate on expanded use products including degradable corn starch plastics, oxygenated ethanol fuels, and corn sweetened foods. Additionally, coordination was provided to eight corn trade delegations while in Kansas to expand their knowledge of livestock nutrition, processing techniques, shipping and marketing. 2) The research programs supported by the commission include a variety of production, utilization, and cost efficiency investigations. In-state projects at Kansas State University concentrate on effective insecticide controls and hybrid development of corn. Studies at the University of Kansas, Pittsburg State University and private institutions are investigating new uses for corn in starch polyglucans and solar collection applications. 3) Cooperation with the Kansas Corn Grower Association has been recently enhanced with the addition of statewide programming highlighting non-food uses of corn. Exhibitions at state and county fairs, trade shows and environmental conferences have exposed the general public to new uses of corn versus the traditional use as an animal feedstuff.

While difficult to measure the effectiveness of the above programs toward economic benefit, it has been the commission's experience to evaluate the needs of the grower prior to selecting any programs for support. Attempts to educate the user, provide production efficiency data to the producers and to sell foreign buyers on the quality of our product, have seen economic and developmental

AG & SB
1-24-90
ATTACHMENT IV

results to the corn industry of Kansas.

I will finish my comments by giving my appreciation to this committee for your support of our efforts in the past and would encourage any comments which may enhance the viability of our program. I am pleased to be able to work with the other commissions of grain sorghum, soybean and wheat as we pursue programs of mutual interest of grain quality, food safety, foreign market expansion, and cooperation with KSU's International Grains Program.

I will be happy to answer any questions. Thank you for your attention.

Attach: Fiscal Year 1990 Budget
 Commission Member List

FISCAL YEAR 1990

KANSAS CORN COMMISSION

MARKET DEVELOPMENT GRANTS (continued)	
U.S. FEED GRAINS COUNCIL	\$110,000
U.S. MEAT EXPORT FEDERATION	25,000
NATIONAL CORN DEVELOPMENT FOUNDATION	70,000
RESEARCH GRANTS (continued)	
1. "Dryland Corn Management for Western Kansas" Agronomy and SW Kansas Branch	\$11,887
2. "Genetic Characterization of Populations of <u>Fusarium moniliforme</u> Isolated from Corn in Kansas" Plant Pathology	10,017
3. "The Ability of Seedborne Strains of <u>Fusarium moniliforme</u> to Cause Stalk Rot in Corn" Plant Pathology	18,714
4. "In vitro Production of Haploids via Anther Culture and Artificial Induction of F1 Hybrid Seeds in Corn" Agronomy	9,969
5. "Grain Storage, Handling and Sanitation Specialist" Department of Grain Science	9,015
6. "Market Development Grant - International Grains Program" Department of Grain Science	12,090
RESEARCH GRANTS (new)	
7. "Spider Mite Resistance to Miticides and its Impact on Spider Mite Control in Kansas Corn" Entomology	10,000
8. "Development of a System to Double-Crop After Corn for Southeastern Kansas" Agronomy	8,273
9. "Safer, Yet Equally Effective Corn Borer Insecticides for Conventional and Insectigation Use?" Entomology	8,711
10. "Validating the KSU European Corn Borer Model and Producing Publications of Mutual Interest" Entomology	11,031
11. "Structural Studies of Corn Trypsin Inhibitor by NMR Spectroscopy" Plant Pathology	5,000

Page 2
Kansas Corn Commission
FY 1990

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| 12. | "Conversion of Corn Starch to a Multi Purpose
Microbial Polyglucan"
Department of Microbiology, University of Kansas | 10,270 |
| 13. | "Slurper Suitability for Solar Pond Stabilization"
Department of Mechanical Engineering, University
of Kansas | 10,000 |
| 14. | "Market Potential and Economical Implications for the
Use of Corn Starch in Biodegradable Waste Products"
DPRA, Manhattan, Kansas | 19,000 |

KANSAS CORN COMMISSION

<u>DISTRICT</u>	<u>NAME AND ADDRESS</u>	<u>TELEPHONE NUMBER</u>	<u>EXPIRATION DATE</u>
I	Harlan D. House RR 1, Box 48 Goodland, KS 67735	(913) 889-2619	11/30/93
II	Marvin Wiechman 708 Ora Scott City, KS 67871	(316) 872-3050	11/30/93
III	Robert Reed Box 97 Copeland, KS 67834	(316) 668-5380	11/30/93
IV	Larry Heidrick RR 2 Beloit, KS 67420	(913) 593-6658 (H) (913) 738-3927 (F)	09/30/92
V	Kurtiss Forsberg 2444 E. Mentor Road Assaria, KS 67416	(913) 667-5443	06/30/92
VI	Dennis Siefkes RR 3 Hudson, KS 67545	(316) 458-5222	06/30/92
VII	John Wise, Chairman RR 1, Box 48 Linwood, KS 66052	(913) 723-3284	06/30/91
VIII	Scott Kelsey 17145 NW 54th Rossville, KS 66533	(913) 584-6589	06/30/91
IX	Kenneth Taylor, Vice-Chairman RR 3 Girard, KS 66743	(316) 724-4019	06/30/91
	Mr. Galen Swenson, Administrator 109 SW 9th Street Topeka, KS 66612-1282	(913) 296-3738	