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Kansas State University. Agricultural Experiment Station

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Director's report of research in Kansas 2001

Abstract

This report contains the title, author, and publication information for manuscripts published by station scientists. It also contains a list of the research projects that were active during that period and a financial statement for the fiscal year.

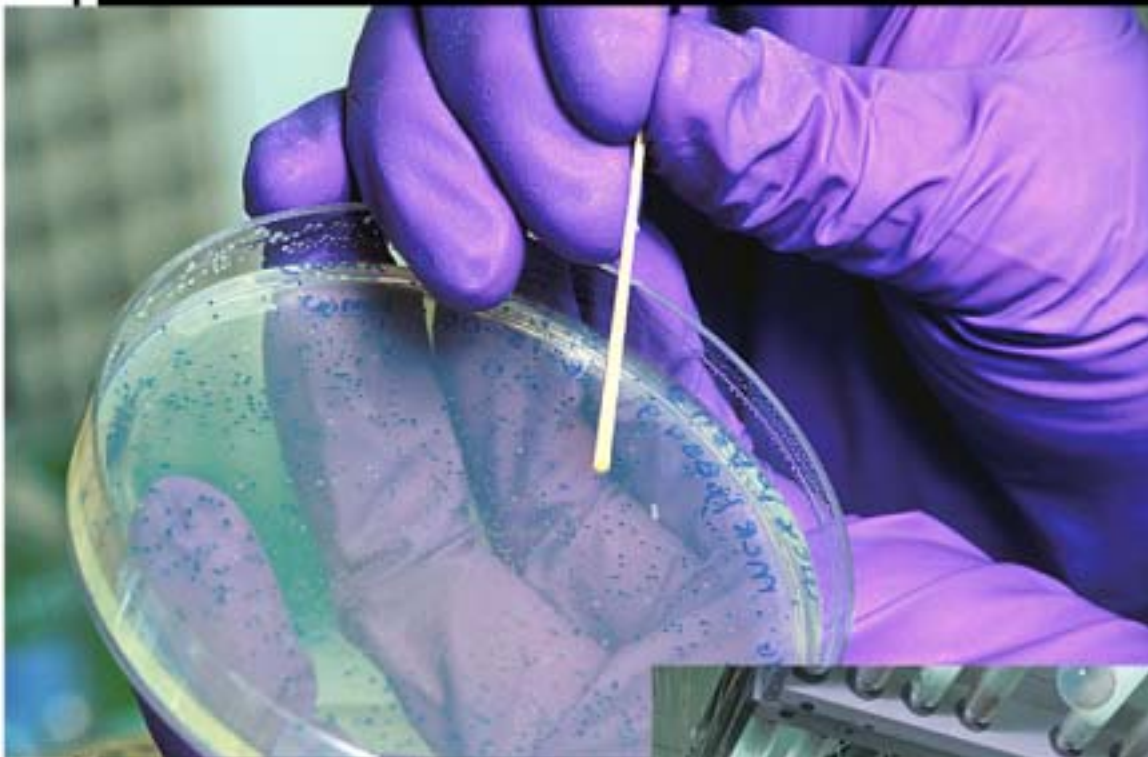
Keywords

Kansas; Agricultural Experiment Station; Research; Publications; Finances; Projects

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2001



2001
Director's Report
of Research
in Kansas

July 1, 2000 to June 30, 2001
Agricultural Experiment Station
Kansas State University



Letter of Transmittal

Office of the Director

*To the Honorable William Graves,
Governor of Kansas*

It is my pleasure to transmit herewith the report of the Agricultural Experiment Station of the Kansas State University of Agriculture and Applied Science for the fiscal year ending June 30, 2001. This report contains the title, author, and publication information for manuscripts published by station scientists. It also contains a list of the research projects that were active during that period and a financial statement for the 2001 fiscal year. The report was published only in electronic format.

Marc A. Johnson, Director

A Message from the Director

We are pleased to provide this 2001 Director's Report of Research in Kansas. The report is intended to inform you about our research programs underway and some of our accomplishments for 2001. Agriculture continues to be vitally important to Kansans, and research is vital to maintaining Kansas' place as a leader in agriculture.

Beginning with this issue and in future years, an annual report instead of a biennial report will be produced and distributed in electronic format only. An annual report distributed via the Internet provides information in a more timely fashion, eliminates printing costs, and makes the report accessible to a broader audience. More detailed information about the accomplishments of our research programs are available in the 2001 Annual Report for K-State Research and Extension, which is available on our Web site (<http://www.oznet.ksu.edu>); under Quick Search, insert "2001 Annual Report."



The 2001 Director's Report of Research in Kansas provides a list of departments, centers, and fields; station publications; active K-State Research and Extension projects; commercial grants and contracts; and financial information.

The Agricultural Experiment Station is the research component of K-State Research and Extension. Our research programs provide the latest information used by our extension programs to address issues facing Kansas citizens.

A handwritten signature in black ink that reads "Marc A. Johnson".

Marc A. Johnson
Dean and Director
Agricultural Experiment Station

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To minimize irrelevant items when searching for common names such as Smith or Martin, turn to the page for the scientist's department (or use the department's bookmark) to start your search.

Research Components of the Kansas State University Agricultural Experiment Station and Cooperative Extension Service

K-State Research and Extension

Agricultural Economics

Agronomy

provides soil testing service

Animal Sciences and Industry

includes International Meat and Livestock Program

provides chemical analyses of feedstuffs

Communications

includes Weather Data Library

Entomology

provides scanning electron microscope service

Grain Science and Industry

includes International Grains Program and

Food and Feed Grains Institute

Horticulture, Forestry and Recreation Resources

Plant Pathology

includes Wheat Genetics Resource Center and the

Plant Biotechnology Center

College of Arts and Sciences

Biochemistry

Biology

provides plant identification service

Sociology, Anthropology and Social Work

Statistics

provides statistical consultation and assistance

College of Engineering

Biological and Agricultural Engineering

Chemical Engineering

Civil Engineering

College of Human Ecology

Apparel, Textiles and Interior Design

Hotel, Restaurant, Institution Management and Dietetics

Human Nutrition

includes Sensory Analysis Center

School of Family Studies and Human Services

College of Veterinary Medicine

Anatomy and Physiology

Diagnostic Medicine/Pathobiology

Food Animal Health and Management Center

Research Centers

Agricultural Research Center–Hays

Horticulture and Forestry Research-Extension Center

John C. Pair Horticultural Center

Northwest Research-Extension Center

Southeast Agricultural Research Center

Southwest Research-Extension Center

Experiment Fields (see map, pg. 54)

East Central●

Harvey County●

Irrigation●▼

Kansas River Valley●▼

 Cornbelt●

North Central●

Pecan Field■

Sandyland●▼

South Central●

 South Central Annex●

● Agronomy

▼ Biological and Agricultural Engineering

■ Horticulture

Station Publications

Reports of Progress

- SRP 857 2000 Kansas Performance Tests with Winter Wheat Varieties
- SRP 858 Swine Day 2000
- SRP 859 2000 Evaluation of Postharvest Life of Selected Fresh-Cut Flowers and Greenery
- SRP 860 2000 Kansas Performance Tests with Corn Hybrids
- SRP 861 Dairy Day 2000
- SRP 862 2000 Great Plains Canola Research
- SRP 863 Seasonal Avian Use of Farmed Kansas Wetlands
- SRP 864 1999 Production and Postharvest Evaluations of Fresh-Cut Peonies
- SRP 865 2000 Kansas Performance Tests with Grain Sorghum Hybrids
- SRP 866 2000 Production and Postharvest Evaluations of Fresh-Cut Peonies
- SRP 867 2001 Chemical Weed Control for Field Crops, Pastures, Rangeland, and Noncropland
- SRP 868 Kansas Fertilizer Research 2000
- SRP 869 2000 Kansas Performance Tests with Soybean Varieties
- SRP 870 2000 Kansas Performance Tests with Alfalfa Varieties
- SRP 871 2000 Kansas Performance Tests with Sunflower Hybrids
- SRP 872 2000 Kansas Performance Tests with Summer Annual Forages
- SRP 873 2001 Cattlemen's Day
- SRP 874 Survey of Kansas Wild Turkey Hunters: Experiences, Opinions, and Satisfaction
- SRP 875 2001 Agricultural Research Southeast Agricultural Research Center
- SRP 876 Field Research 2001 Agronomy Experiment Fields
- SRP 877 Field Day 2001 Southwest Research-Extension Center
- SRP 878 2001 Turfgrass Research

Keeping Up With Research

- SRL127 Response of Bt Corn to Simulated Hail Damage
- SRL128 Performance of Wheat Variety Blends in Kansas
- SRL129 Effects of Alfalfa on Wheat Establishment
- SRL130 Grain Quality Components of Corn Hybrids
- SRL131 Late Emergence Effects on Agronomic Characteristics of Wheat

Bulletin

- SB663 A History of the Agricultural Research Center—Hays The First 100 Years

Special Publications

Agricultural Research in Kansas: Fortieth Biennial Report of the Agricultural Experiment Station, 1998-2000 (Electronic only)

An Annotated Chronology of Research Highlights at the Agricultural Research Center-Hays 100th Anniversary

Suffix Letters

for Contribution Numbers (pages 7-40)

- A** Proceedings of Meeting or Symposium
- B** Book or Chapter for Book
- C** Computer Program
- D** Department Report
- E** Extension Publication (co-authored by a KAES researcher but funded separately or published externally as education material) or research by an employee with an extension appointment to be published in a refereed journal.
- J** Journal
- S** Station Publication: Report of Progress, Keeping Up With Research, Special Publications, and Bulletins
- T** Trade Publication

Categories are based on information received before manuscripts are published. Place of publication sometimes changes later. Numbers are deleted if authors cannot supply publication data.

Station publications are available on the World Wide Web at <http://www.oznet.ksu.edu/library/>. Department Reports are available only from the appropriate department office. Copies of journal articles or other outside publications must be obtained from the authors.

Publications of Station Scientists (By Department and Station Contribution Number)

Agricultural Economics

- 96-193-J CVM-X: Calibrating Contingent Values with Experimental Auction Markets
J.A. Fox, J.F. Shogren, D.J. Hayes, and J.B. Kliebenstein
Am. J. Ag. Econ. 80:455-465, 1998
- 98-121-J Quantitative Assessment and the Adoption of Improved Rice Varieties in Casamance, Senegal: The Farmer's Perspective
S. Sall, D. Norman, and A. Featherstone
Agric. Systems 66:129-144, 2000
- 98-351-J Productive Efficiency and Growth Policies for the Caribbean
P. Lall, A.M. Featherstone, and D.W. Norman
Appl. Econ. 32:198-207, 2000
- 99-94-J Women Accessing Agricultural Credit: The Rural Farmers Scheme, Uganda
B. Abaru, D. Norman, and A. Featherstone
Proc. of 23rd Inter. Conf. of Ag. Economists
Sacramento, CA, 1997
- 99-420-J Utilization of Preventive Medical Services in the United States: A Comparison between Rural and Urban Populations
P. Zhang, G. Tao, and K.L. Irwin
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- 00-145-J Value of Increased Pricing Accuracy in Fed Cattle
T.C. Schroeder and J.L. Graff
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- 00-357-J Price-Weight Relationships for Feeder Cattle
K.C. Dhuyvetter and T.C. Schroeder
Can. J. Agric. Econ. 48:299-310, 2000
- 00-445-J Economics of Increasing Lysine: Calorie Ration and Dietary Fat Addition for Growing-Finishing Pigs Reared in a Commercial Environment
M. De La Llata, S.S. Dritz, M.R. Langemeier, M.D. Tokach, R.D. Goodband, and J.L. Nelssen
J. Swine Health and Prod. 9(5):215-223, 2001
- 00-455-J Management Implications of Farm Tractor Depreciation Methods
T.J. Dumler, R.O. Burton Jr., and T.L. Kastens
2000 J. ASFMRA 63:3-10, 2000
- 00-470-D Profitability and Risk Measures for Investor-Owned Firms
C. Freberg, M. Boland, and D. Barton
Agric. Econ. Dept. Rep. (Staff Pap. 00-07):1-52, 2000
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C. Freberg, M. Boland, and D. Barton
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- 00-493-J Identifying Economic Risk in Cattle Feeding
D.R. Mark, T.C. Schroeder, and R. Jones
J. Agribus. 18:331-344, 2000
- 01-6-D Impact of Higher Oil Prices on Production Costs for Kansas Farm Management Association Farms
J.R. Williams and F.D. DeLano
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- 01-10-J Determining Socially Optimal Nitrogen Application Rates Using a Delayed Response Model: The Case of Irrigated Corn in Western Kansas
E. Nkonya and A.M. Featherstone
J. Agric. Res. Econ. 25:453-467, 2000
- 01-30-J The Economic Impact of Higher Oil Prices on Farm Production Costs in Kansas
J.R. Williams, F.D. DeLano, and T.D. Aller
2001 J. ASFMRA 64:32-38, 2001
- 01-35-D Efficiency and Productivity Measures of Low Income Countries: Implications for Development
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Proc. 16th Symp. Intl. Farming Syst. Assoc. and 4th Symp. Latin Am. Farming Syst. Res. and Ext.
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A.O. Abdulkadri and M.R. Langemeier
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- 01-130-J Measuring X-Efficiency and Scale Efficiency for a Sample of Agricultural Cooperatives
C.B. Ariyaratne, A. Featherstone, M.R. Langemeier, and D.G. Barton
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Published in Sustainable Ag Series, 2000
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- 01-192-D Kansas Farm Management Data Bank Documentation
L.N. Langemeier
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- 01-318-S Cattlemen's Day 2001
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L.N. Langemeier
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- 01-453-D Converting KMAR Machinery Investment Data to a Market Value Series
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- 01-460-A The Relationship between Incomes, Farm Characteristics, Cost Efficiencies, and Rate of Return to Capital Managed
J.W. Dunn and J.R. Williams
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- 01-476-D Staff, Programs, and Publications in Agricultural Economics — Kansas State University, 2000
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Agronomy

- 96-117-J Predicting Forage Quality in Switchgrass and Big Bluestem
R.B. Mitchell, J.O. Fritz, K.J. Moore, L.E. Moser, K.P. Vogel, and D.D. Redfern
Agron. J. 93:118-124, 2001
- 98-247-J Land-Use Management Using a Soil Survey Geographic Database for Finney County, Kansas
J. Wu, M.D. Ransom, G.J. Kluitenberg, M.D. Nellis, and H.L. Seyler
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- 98-280-J Combined Effects of Drought and High Temperature on Water Relations of Wheat and Sorghum
S. Machado and G.M. Paulsen
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- 99-14-J Carbon and Nitrogen Dynamics and Microbial Activity in Tallgrass Prairie Exposed to Elevated CO₂ for 8 Years
M.A. Williams, C.W. Rice, and C.E. Owensby
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- 99-312-J Allelopathy of Sorghum on Wheat under Several Tillage Systems
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R.D. Unland, K. Al-Khatib, and D.E. Peterson
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- 99-392-J Registration of Four Genetic Stocks of Sunflower Resistant to Imidazolinone Herbicides
K. Al-Khatib and J.F. Miller
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- 99-449-B Infiltration into a New Zealand Native Forest Soil
M.B. Kirkham and B.E. Clothier
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- 00-284-J Comparative Physical Mapping of the 18S-5.8S-26S rDNA in Three Sorghum Species
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520493 Water Quality Profit Optimization Project

520502 Fecal Coliform Contamination in KS River Basins: Source, Monitoring, Development of BMP's

520504 Consumer Willingness to Pay for Steak Tenderness

520505 Water Conservation--Increased Efficiency in Usage

520506 Valuing Marketing Rights in New Generation Cooperatives

520507 Comparative Cost-Benefit Analysis of New Renewable and Sustainable Energy

520509 Dynamic Implications of Global Growth in Population Income and Technology

520510 Using NASA EOS Data to Predict Economic Well-Being in Kansas Agriculture (The Great Plains Regional Earth Science Applications Center (GP-RESAC): A Consortium to Transfer Remote Sensing Products)

520511 Water Contaminants Evaluation Study

520512 Estimating the Nationwide Demand for Risk Reduction from Foodborne Pathogens

520519 Economics & Fiscal Implications of Electronic Commerce for Rural Communities

520520 Cooperatives and Their Role in Value-Added White Wheat Markets

520523 Current Economic Issues with Hard White Wheat in Kansas

520524 Analysis of Small Game Harvest Survey Data

520525 Market Research on Value Enhanced Soybeans

520526 Market Research on Value-Enhanced Corn

520527 Market Research on Grain Sorghum

520528 Water Conservation -- Increased Efficiency in Usage

520529 Development of NPS Loan Agreement

520530 Empirical Tests of STE Leadership Behavior in International Grain Markets

520531 Yield Performance and Producer Experience

520533 Cooperatives' Role in Food and Feed Grain Identity - Preserved Systems

520534 Market Research for Speciality White Wheats

520535 Cost and Benefits of Mandatory Price Reporting in the Beef Industry

520536 Summarization and Analysis of 2000 Small Game Harvest Survey (SGHS)

520540 Evaluation of Special Program for Food Security

520542 Experimental Auctions and External Validity: Consumer Demand for Quality Differentiated Beef

536083 Institutional Cooperation and Student Exchange Among US, Mexican and Canadian Institutions

536182 National Needs Fellowship - Food Marketing Food Safety

536386 Food & Agricultural Sciences National Needs Grad Fellowships Grants Program (Supplementals - 2)

536386 Escherichia coli 0157:H7 and Salmonella spp. and Listeria monocytogenes: Determination of D- and Z-Values in Ground Beef

536413 Federal Ag Policy Impacts to KS Rural Communities & Households

536438 Risk Management Education: A Risk Management Club Approach

536481 Integration of Computer Applications Throughout the Agribusiness Curriculum

536528 European Perceptions of US Hormone-Treated Beef
In Conjunction With Food & Agricultural Sciences National Needs Grad Fellowship

536597 Fellowship for January M. Mafuru

536719 Kansas Local Government Water Quality Planning and Management Guide and Education Program

536761 KS Cooperative Development Center Education & Assistance Program

536778 Kansas Urban Water Quality Restoration and Protection Initiative (Planning Process Technical Assistance, Education and Outreach Impact Analysis

536782 Kansas Cooperative Development Center Education and Assistance Program

536820 Kansas Cooperative Development Center Education and Assistance Program

536832 A Rural Community Based Case Test to Evaluate the Efficacy of the USDA Quality System Certification Program (QSCP) for Small Livestock and Meat Marketing Programs

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Ag Research Center - Hays

525965 Involves Other Departments for Multi Sponsored Crop Performance

525994 Identification, Detection, and Variability of the High Plains Pathogen

525998 Integrated Management Systems for Jointed Goatgrass in Central Great Plains

526001 Effect of Stockosorb Agro on Winter Wheat Grown in Central Kansas

526003 Effects of Stockosorb Agro on Grain Sorghum in Central Kansas

526007 Predicting Future Carcass Attributes on Weaning Calves with Ultrasound Technology

526009 Wheat Streak Mosaic Virus Regional Screening Nursery

526010 Sorghum Research

526011 Integrated Management Systems for Jointed Goatgrass Control in the Central Great Plains

526012 Optimizing Spartan Performance in No-Till Sunflower

526013 Planting Dates and Maturity Group Effects on Soybean Production in Kansas

526014 Breeding Sorghum with Improved Grain Yield, Greenbug and Virus Resistance, and Pre-Flowering Drought Tolerance

526015 Kansas Dual Purpose Pest Resistant White Wheats

526016 Regeneration of Sorghum Accessions

526017 Integrated Management Systems for Jointed Goatgrass in the Central Great Plains

526021 United Agri Products Fellowship

Agronomy

520333 Pioneer Plant Breeding Fellowship

520713 Development of Hard White Winter Wheat for Kansas

520756 Foundation Seed Maintenance (Agseco-McDonald, Kansas)

520761 Crop Performance

520764 Improvement of Hard Red Winter Wheat in Kansas

520765 Management of the Soybean Cyst Nematode and Charcoal Rot in Soybeans

Active Projects

| | | | | | |
|--------|---|--------|--|--------|---|
| 520800 | Providing Soil Sample Analyses for Soil Survey Activities | 520878 | Belowground Carbon Allocation and Cycling in Tallgrass Prairie and Wheat Ecosystems | 520914 | Landscape-Level Trace Gas Fluxes on Grazed and Ungrazed Tallgrass Prairie |
| 520807 | Terrestrial Carbon Processes, II | 520879 | Water Conservation--Increased Efficiency In Usage | 520916 | The Role of Natural Organic Material in the Disposition and Binding of Organic Contaminants and Heavy Metals |
| 520815 | An Instrument Combining 3D Plant Photogrammetry with Automated Physiological Monitoring | 520885 | Assessing Absorption & Uptake of Ethylene Dibromide (EDB) in Mature Cranberry Fruit and Plants at Harvest at Massachusetts | 520917 | The Role of Natural Organic Material in the Disposition and Binding |
| 520816 | Remodeling Instrument Combining 3D Plant Photogrammetry with Automated Physiological | 520886 | Assessing Absorption & Uptake of Ethylene Dibromide (EDB) in Mature Cranberry Fruit and Plants at Harvest at Massachusetts | 520919 | Landscape-Level Trace Gas Fluxes on Grazed & Ungrazed Tallgrass Prairie (Sub-Title: Carbon & Water Vapor Fluxes) |
| 520819 | Variable Nitrogen Management for Protecting Groundwater Quality | 520887 | Wind Erosion Model for Military Lands | 520921 | Developing a Research and Extension Program to Limit the Spread and Enhance the Management of Sericea Lespedeza In Kansas |
| 520833 | Variable Nitrogen Management for Improving Groundwater Quality | 520888 | Wind Erosion Assessment & Control | 520922 | Pilot Study of Influences of Atmospheric Pressure Fluctuations on Fluxes of Trace |
| 520837 | Pigweed (<i>Amaranthus</i> spp.) Identification, Hybridization and Introgression | 520889 | Development of Acid-Tolerant Alfalfa Germplasm for Kansas | 520923 | Impact of Animal Waste Compost on Turfgrass Soil Quality |
| 520844 | Development of Improved Soybean Varieties for Kansas | 520890 | Addition of Genes Encoding Thaumatin-Like Protein and Late Embryogenesis Abundant Protein | 520924 | Gluten Proteins that Improve Bread Quality |
| 520845 | Control of Residue-Borne Winter Wheat Diseases | 520891 | Alachlor Acetochlor & Metachlor Metabolites in Plant and Soil | 520925 | Improving Resistance to Preharvest Sprouting in Kansas White Wheat |
| 520857 | Implementation of Best Management Practices in the Blue River Basin of Kansas and Nebraska | 520892 | Alachlor Acetochlor & Metachlor Metabolites In Plant And Soil | 520926 | Breeding Grain Sorghum for Improved Dryland Production |
| 520864 | The Impact of Golf Courses on Soil Quality | 520893 | Integrating Genetics and Precision Farming Information into Decision Support Systems | 520927 | Improving Soybean Profitability through Breeding |
| 520865 | Fecal Coliform Contamination in Kansas River Basins: Source, Monitoring, Development, Demo of Bmp's | 520895 | EPA Experimental Program to Stimulate Competitive Research | 520928 | Improving the Crop Safety and Weed Control Efficacy of Metsulfuron-(Allyl)-Based Herbicide Programs for Grain Sorghum |
| 520866 | Gene Flow, Distribution, Growth & Competitiveness of Pursuit-Resistant Common Sunflower | 520896 | EPA EPSCOR - Enhancement of Water Quality Research | 520929 | Integrated Management of the Soybean Cyst Nematode and Charcoal Rot |
| 520867 | Kansas EPA EPSCOR: Enhancement of Environmental Remediation Research - Subs (KU & WSU) | 520897 | EPA Experimental Program to Stimulate Competitive Research Seer1 | 520930 | Planting Dates and Maturity Group Effects on Soybean Production in Kansas |
| 520868 | Kansas EPA EPSCOR: Enhancement of Environmental Remediation Research - Seer 3 (Yr 1 & 2) | 520898 | EPA EPSCOR - Enhancement of Water Quality Research / Seer 1 | 520931 | Post-Control Weed Competitiveness as Input Into a Weed Management DSS |
| 520869 | Kansas EPA EPSCOR: Enhancement of Environmental Remediation Research - Mgmt (Yr 1 & 2) | 520899 | EPA Experimental Program to Stimulate Competitive Research Seer3 | 520932 | Iron (Fe) Chlorosis: Addressing A Familiar Problem With New Technology |
| 520871 | Educational Tools for Wind Erosion Control | 520900 | EPA EPSCOR - Enhancement of Water Quality Research / Seer 3 | 520933 | Water Conservation -- Increased Efficiency In Usage |
| 520872 | KS EPA EPSCOR: Enhancement of Environment Remediation Research | 520902 | Soil Rating and Growth Model for the Valuation of Irrigated Lands in Kansas | 520934 | Transformation of Sorghum with Agronomically Useful Genes |
| 520873 | KS EPA EPSCOR: Enhancement of Environment Remediation Research | 520904 | Canola Production Centers: Introducing a Viable New Crop to Kansas | 520935 | Adaptation of Weedssoft Weed Management Decision Aid Software |
| 520874 | Match for KS EPA EPSCOR: Enhancement of Environment Remediation Research | 520907 | Potential for Imidazolinone-Resistant Sunflower Gene Escape and Altered Fitness of Related Wild Species | 520936 | Research Support Agreement #58-5430-7-507 T.O. #T15430203 |
| 520875 | Breeding for Ergot Avoidance in Sorghum: Mid-Season Cold Tolerance | 520908 | Aluminum Tolerance in Canola: Developing Canola Varieties Adapted to Low Ph Soils | 520937 | Assessment of Plant Root Development in Alternative Cover Plots at Rocky Mountain Arsenal, Colorado |
| 520876 | Site-Specific Lime Applications to Reduce Phosphorus Loading in the Cheney Watershed | 520909 | Sorghum Research | | |
| 520877 | Development of Wheat Germplasm with Multiple Disease & Insect Resistance for the South Great Plains | 520911 | Jeoung Fellowship | | |
| | | 520912 | USDA/ARS Research Support Agreement Task Order #T05430203 | | |
| | | 520913 | USDA/ARS Research Support Agreement Task Order #T05430202 | | |

Active Projects

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|--------|--|---------------------------------|---|--------|--|---|
| 520937 | Assessment of Plant Root Development in Alternative Cover Plots at Rocky Mountain Arsenal | 536728 | CHLTH Agreement Between KS Smokeless Kids Initiative & KSU Res/ Exten Comm Health | 521861 | Responses of Cattail Vegetation to Stocker Cattle Grazing | |
| 520937 | Assessment of Plant Root Development in Alternative Cover Plots at Rocky Mountain Arsenal | 536772 | Grazing Land Water Quality - Part 4 | 521862 | Steam Pasteurization Assessment & Microbial Analysis | |
| 520938 | Development of Wheat Germplasm with Multiple Disease and Insect Resistance for the Southern Great Plains | 536774 | Reducing Atrazine Runoff-Delaware & Blue Rivers - Part 3 | 521863 | Post-Process Pasteurization of Packaged, Ready-To-Eat Meat Products for Control of Listeria Monocytogenes | |
| 520939 | Improvement of Hard Red Winter Wheat for Kansas | 536784 | White Wheat Commercialization | 521864 | Animal Sciences Food Safety Consortium - KSU | |
| 520940 | Development of Hard White Winter Wheat for Kansas | 536785 | Soybean Production in Kansas: Extension and Applied Research | 521865 | Modulation of Immune Response in Feeder Cattle with Flaxseed | |
| 520942 | Gluten Proteins that Improve Bread Quality | 536786 | Grain Sorghum Production in Kansas: Extension and Applied Research | 521869 | Immunomodulatory and Growth Effects of the Seaweed Ascophyllum Nodosum in | |
| 520943 | Control of Residue-Borne Winter Wheat Diseases | 536800 | Wheat Research / Extension Assistant | 521870 | Effects of Dried Plum Puree on Foodborne Pathogens in Meats and Meat Products | |
| 520944 | Lagoon Water Quality Study Part 4 | 536806 | White Wheat Commercialization | 521871 | Planting Dates And Maturity Group Effects On Soybean Production In Kansas | |
| 520945 | Evaluation of Tan-Plant Sorghum Hybrids | 536811 | Research/Demonstration/Education Compost Facility | 521872 | Salmonella Spp. and Listeria Monocytogenes Risk Assessment for Production and Cooking of Blade Tenderized Beef Steaks | |
| 520946 | Isoxalutole Losses in Surface Water Runoff | 536830 | Grazing Land Water Quality - Part 5 | 521873 | Evaluation of Optiboar for Assessing Characteristics of Boar Semen | |
| 520947 | Consortium for Agricultural Soil Mitigation of Greenhouse Gases (CASMGs) | Anatomy & Physiology | | | 521874 | Distiller's Byproducts for Cattle: Food Safety, Meat Quality and Cattle Performance |
| 520948 | Elucidation of and Development of Cold Tolerance in Sorghum | 528602 | Neurons & Neuropeptides in Sea Anemones | 521875 | Feeding Flaxseed & Flaxseed Products to Improve Health & Performance of Stressed Feeder Calves | |
| 520953 | Evaluation of Agri-SC for Reducing Soil, Nutrient, and Herbicide Losses in Cropland Runoff | 528603 | Neurons & Neuropeptides In Sea Anemones | 521876 | Control of Listeria Monocytogenes in Ready-To-Eat Meats | |
| 520954 | Evaluating Nitrate Leaching Characteristics for Various Nitrogen Management Strategies for Irrigated Corn Along the Lower Arkansas River | 528608 | High Resolution Regional Maps of Swine Chromosomal Segments Containing QTL | 521878 | Effect of Protein Size and Source on Delayed Type Hypersensitivity in Early Weaned Pigs | |
| 520955 | Investigations of Vegetative Capping Strategies for Fly-Ash Disposal Sites | 528612 | Porcine Antimicrobial Peptides | 521879 | Merchandising Value-Added Lamb Shoulder to the Food Service Industry | |
| 520966 | Sprinkler Irrigation Demonstration Project | 528615 | Contribution of the NADPH Oxidase to Reperfusion Injury | 521880 | Corn Byproducts for Cattle: Performance, Food Safety & Meat Quality | |
| 520967 | Variety Testing, Farmer Education and Management of Identity Preserved Farming Systems | 528616 | Regulated Ion Transport by Vas Deferens Epithelium | 521881 | Post-Process Pasteurization of Packaged, Ready-to-Eat Pork Products for Control of Listeria Monocytogenes | |
| 525450 | FY2001 KS Water Res. Res. Inst. - Measuring Seepage Losses from Waste-Treatment Lagoons: A Simplified Water Balance Approach for Use by Government Agencies, Consultants, and Industry | 528617 | Ionic Basis of Repolarization in Equine Heart: Relevance to Atrial Fibrillation and Acquired LQTS | 521884 | Evaluation of Nutridense Corn Hybrids for Nursery Pig Diets | |
| 536317 | Yesterday's Research for Tomorrow's Needs | 528618 | The NADPH Oxidase and Neutrophil Recruitment in Muscle | 521887 | Molecular Characterization of Escherichia coli 0157:H7 from Beef animals, Environment and Foodborne Disease Outbreaks | |
| 536338 | Grazing Land Water Quality - Part 2 | 529421 | LKS & LKUR in Granulosa Cells | 521888 | Development of an Integrated HACCP Plan and Microbiological Risk Assessment of Beef Trim and Intervention Treatments for Use as Raw Material for Ground Beef | |
| 536375 | Matching for Yesterday's Research for Tomorrow's Needs | Animal Sciences | | | 535030 | Teaching Support Livestock and Meat Industry Council |
| 536504 | Developing A World Class Nutrition Course Strengthened Quality/ Contained Costs | 521788 | A Soybean Extension Educational Program in Southeast Kansas | | | |
| 536704 | Grazing Land Water Quality Education Program: Part 3 | 521822 | Effectiveness of Cloptilolite as a Suspending Agent in Liquid Feed Supplements | | | |
| 536726 | Wheat Research/Extension Assistant | 521828 | Wheat Middling Evaluations | | | |
| | | 521835 | HACCP Implementation and Evaluation in Small and Very Small Meat and Poultry Plants | | | |
| | | 521837 | Effect of Plants on Bioavailability and Toxicity of Contaminants in Soil | | | |
| | | 521848 | Steam Pasteurization Assessment and Microbial Analysis (98-11B) | | | |
| | | 521857 | Carcass Merit Traits: Development of EPD's and Genetic Marker Validation | | | |

Active Projects

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|--------|---|---------------------------|--|-------------------------|---|
| 526756 | Long-Term Ecological Research in Tallgrass Prairie: The Konza Prairie | 526784 | Detection of Genes Encoding UV Repair Enzymes in <i>Cryptosporidium</i> | 537661 | Grant Radio Community Service Grant FY2001 |
| 526756 | Long-Term Ecological Research In Tallgrass Prairie: Konza LTER Program | 526787 | Kansas NIH COBRE Center for Cancer Experimental Therapeutics | Community Health | |
| 526757 | Salicyclic Acid Signaling Pathway and its Cross Talk with Jasmonic Acid and Ethylene Signaling in Plant Defense | 527290 | AstraZenica Materials Transfer Agreement | | |
| 526758 | Belowground Carbon And Nutrient Dynamics In Arctic Tundra Under Changing Climates | 527297 | A Kirkwood-Buff Approach to Improved Cosolvent Force Fields | 536118 | National Network for Health (was National Decisions for Health Network) |
| 526759 | Role of Tetraspans in Regulating Cell Adhesion and Migration | 527297 | A Kirkwood-Buff Approach to Improved Cosolvent Force Fields | 536140 | Cooperative Agreement between KS Dept of Health / Environment and CES, KSU WIC Mailings |
| 526760 | Use of Remote Sensing and GIS to Monitor and Model Bison Grazing Patterns at Landscape Levels | 529040 | Lens Membrane in Relation to Human Cataractogenesis | 536207 | Cooperative Agreement Between KS Dept Of Education And CES, KSU |
| 526761 | Quality and Quantity of Suspended Material in Kansas Rivers: Demonstrating the Influence of Best Management Practices - Part 2 | 529049 | Lens Membrane in Relation to Human Cataractogenesis (Year 19) | 536207 | Cooperative Agreement Between KS Dept of Education and CES, KSU |
| 526762 | Curriculum Integration Using Case-Based Computer-Assisted Instruction | 529391 | Functional Analysis of Anti-Apoptotic IAP Proteins | 536418 | Opportunities for Prevention Education and Networking in Kansas (Open-K) *(was Offender Prevention and Education Network of Kansas (Open-K)*) |
| 526763 | Apoptosis as an Anti-Viral Defense Mechanism in Insects | 529391 | Functional Analysis of Antiapoptotic IAP Proteins | 536421 | Rural Network Development Grant Program |
| 526764 | Reactive Nanoparticles as Destructive Adsorbents | 529402 | dsRNAs of <i>Cryptosporidium Parvum</i> | 536440 | Offender Prevention & Education Network of KS (Open-K Connectivity) |
| 526765 | Acquisition of Five Controlled Environment Chambers for Plant Research | 536513 | Outdoor Wildlife Learning Site (Owls) | 536502 | Army Adolescent Growth & Development Training for State Strengthening |
| 526766 | EPA Fellowship Grant | 536514 | Outdoor Wildlife Learning Site (Owls) | 536736 | Technical Support for the KHF Community-Based Developmental Assets Project In Abilene |
| 526767 | Assessing Impact of Exposure of Periphyton to Linear Alkylbenzene Sulfonate with Microscale Sensors at the Procter & Gamble Expt. Stream Facility | Civil Engineering | | 536738 | Technical Support for the KHF Community-Based Developmental Assets Project in Abilene - Year 2 |
| 526768 | Restoration of Native Grasslands and LCTA | 527951 | Lagoon Water Quality Study, Part 4 | 536739 | Technical Support for the KHF Community-Based Developmental Assets Project in Abilene - Year 3 |
| 526769 | Optimizing Recovery of <i>Cyclospora</i> | Clinical Sciences | | 536743 | Rural Stroke Prevention - Agreement between the United Methodist Health Ministry Fund and KSU,CES |
| 526770 | H2 - Receptor and Tetraspans as Novel Cancer Therapy Targets | 528785 | Determination Of Pulmonary Inflammation & Function After Admin Of Inhaled Beclomethasone & Injectable Dexamethasone In Horses | 536754 | Agreement between KDHE & KSU, CES Rural Stroke Prevention |
| 526771 | Ecosystems in Transition: Causes and Consequences of Dramatic Shifts | Clothing, Textiles | | 536769 | Cooperative Agreement Between the Regional Prevention Center and CES, KSU |
| 526773 | Systematics and Geographic Relations of <i>Phlox L.</i> (<i>Polemoniaceae</i>) | 528012 | Soybean Alkyd Resins in Pigment Printing of Textiles and Materials | 536770 | Cooperative Agreement between KDHE and CES, KSU - Immunization Mailings |
| 526774 | Niche Separation Among Ectomycorrhizal Fungi - FEDERAL \$ | 528013 | Research on Kenaf | 536773 | KS Health Foundation Distinguished Professorship in Community Health |
| 526775 | Niche Separation Among Ectomycorrhizal Fungi - STATE \$ | 536139 | Kansas Public Health and Environmental Information Library (KPHEIL) - Cooperative Agreement between KS Dept of Health and Environment and CES, KSU | 536779 | Connect Kansas |
| 526778 | SUBCONTRACTS FOR The Influence of Gravity as a Determinant in Cellular Biology | 536775 | Income for Cooperative Agreement Between KS Dept of Health & Environment and CES, KSU | 536802 | Agreement Between KDHE and CES, KSU (Rural Stroke Prevention) |
| 526780 | "Schoolyard" - Long-Term Ecological Research in Tallgrass Prairie: The Konza Prairie LTER Program | 536804 | Healthy Homes - Kansas | 536803 | Team Nutrition Demonstration Project Schools |
| 526781 | Long-Term Postdoctoral Fellowship: Elucidation of Animal Diversity by Comparing <i>Drosophila</i> and <i>Tribolium</i> Wing Development | Communications | | 536828 | Healthy Places, Healthy Communities |
| | | 536722 | Bugs in Kansas Book | 536831 | Ogden Youth Center and CES, KSU Cooperative Agreement |
| | | 536776 | Impact Evaluation Plan | 536837 | CYFERNet Technology |
| | | 536795 | Kansas Public Broadcasters Council Service And Incentive Program Fy01 | 536837 | CYFERNet Technology |
| | | 536795 | Evaluation Of Tox-Guard As A Mold Inhibitor In High-Molasses Textured Feeds | 536858 | Evaluation of the Kansas Department |
| | | 536857 | Wheat Commission / Biotechnology Communication | | |
| | | 536868 | Kansas Library Network Board FY2001 Digitization Grant Kansas Climate Collection | | |
| | | 537660 | FY 2000 Radio Community Service | | |

Active Projects

of Health and Environment
Community Health Intervention
Process

Coop Extension

- 536358 Haskell Extension Program for American Indian Youth
536794 Penalty Mail Extension Mailing (Special Account)
536794 Penalty Mail Extension Mailing (Prop #11867) / ** Formula Funds**

Dean & Director

- 525077 Research Activities (Research Apprenticeship H.S. Studies)
536004 Secretarial Support - Huck Boyd National Institute For Rural Development
536478 Work-Study Student Hourly Support Huck-Boyd Nat'L Institute for Rural Development

Dean of Human Ecology

- 535009 Inter-Institutional Masters Degree and Postbaccalaureate Certificate in Family Financial Planning: Extending the Reach and Improving Accessibility
536793 Kansas Public Broadcasters Council Service and Incentive
536810 Food Stamp Awareness and Access Campaign
536815 Kansas Food Stamp Nutrition Education Plan - KNN
536816 Kansas Food Stamp Nutrition Education Plan - FNP

Diagnostic Med./Pathobiology

- 521791 Virginimycin Effects on Rumen Metabolism in Cattle During Adaptation to a High Concentrate Diet
521810 Riparian Buffer Initiative for the Kansas Potawatomie Reservation
521836 Effect of Monensin on Frothy Bloat in Cattle Fed Bloat-Provocative, High-Grain Diet
528396 Why Do Current Vaccines Fail to Reliably Prevent Kennel Cough in Racing Greyhounds
528401 BHV-1 and BHV-5 Neuropathogenesis Studies
528409 Enhancing Greyhound Immune Function and Reproductive Efficiency: Breeding for Optimal Histocompatibility Genotypes
528410 Safety Studies in Dogs and Cats of a Fabric Refresher
528413 Is Neoplastic and Neurologic Disease

in Scott Co, KS Related to Agricultural Chemical Exposure?

- 528414 Studies of the Safety of Fiber Ab Product in Household Pets
528415 Production of Full-Length Nucleoprotein for PRRSV Antibody Elisa (KSU Elisa)
528416 Fabric Refresher #2
528417 Mouse Model to Assess Anthelmintic Efficacy/Resistancy against Migrating Larvae of Toxocara Canis in Greyhounds
528418 Role of Glycoproteins gE and gI in BHV-1 and BHV-5 Differential Neuropathogenesis
528419 Suppression of Heat in Racing Female Greyhounds
528420 Evaluation of the Immunogenicity and Protective Effects of Recombinant Leukotoxin Proteins of Fusobacterium Necrophorum in Mice
528421 Development of an Effective Vaccine for Canine Rotavirus.
528422 Pseudorabies Laboratory Testing
528423 Wheat Bran Lectin: A Safe, Food-Grade Mucosal Adjuvant
528423 Wheat Bran Lectin: A Safe, Food-Grade Mucosal Adjuvant
528423 Wheat Bran Lectin: A Safe, Food-Grade Mucosal Adjuvant
528423 Wheat Bran Lectin: A Safe, Food-Grade Mucosal Adjuvant
528425 Development of a Canine Model of E coli Induced Hemorrhagic Colitis and Hemolytic Uremic Syndrome: Phase II (previous # = 528403)
528775 A Safety Study of Glade Carpet Deodorizer in Cats and Dogs
530116 Pseudorabies Laboratory Testing
530550 Suppression of Heat in Racing Female Greyhounds
536295 Kansas Water Resources Adult Education
536295 Curriculum Integration using Case-Based Computer-Assisted Instruction

Director of AES

- 525081 Development and Management of Canola in the Great Plains Region
525082 Development and Management of Canola in the Great Plains Region
525083 Internet Publishing of Selected Full-Text Translations from Chinese Literature Pertaining to the Soybean Aphid
525085 Consortium for Agricultural Soils Mitigation of Greenhouse Gases (CASMGs)
525086 Consortium for Agricultural Soils

Mitigation of Greenhouse Gases (CASMGs)

Entomology

- 520342 Insecticide Management of Field Crop Insects at Hays, Kansas
522362 Development of a Corn Rootworm Areawide Management Program in Kansas
522370 Molecular Basis of Wing Polymorphism in the Pea Aphid
522373 Second Generation European Corn Borer/Southwestern Corn Borer Research
522374 Second Generation European Corn Borer/Southwestern Corn Borer Research
522380 Control of Residue-Borne Winter Wheat Diseases
522389 Exchange of Aegilops Germplasm & Molecular Biochemical Techniques for Enhanced Aphid Resistance in Wheat
522392 Alfalfa Weevil Insecticide Efficacy Research
522392 Alfalfa Weevil Insecticide Efficacy Research
522393 Bactrocera dorsalis Complex: Species Boundaries and Diagnostic Markers
522394 Species Boundaries in the Wood Roach, Cryptocercus
522395 Monitoring Insect Population Dynamics and Movement Using Molecular Markers
522396 Tougaloo College Project
522402 Heliothis virescens: Model to Study Mating-Induced Allotropism in Lepidoptera
522405 Alfalfa Weevil Efficacy and Spray/No-Spray BT Corn Trial
522406 Factors Influencing Flight & Dispersal of Lesser Grain Borer Adults
522407 Facilitate Multiple Pest Resistant Wheat Germplasm Research
522410 Monoclonal-Antibody-Based Identification Kit for Cotesia flavipes
522412 Survival of Resistant European Cornborer on Transgenic Corn Lines
522413 Wheat and Sorghum Crop Profiles
522414 Kansas Pesticide Impact Assessment Program
522417 Integrated Crop Management: Spider Mites on Greenhouse-Grown Ivy Geraniums
522418 Establishment and Enhancement of the Prairie Arthropod Collection from the Konza LTER Site at Kansas State University
522419 Evaluating the Effects of Pesticide

Active Projects

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|-----------------------|---|--------|--|----------------------|--|
| 536759 | USDA/Army School-Age & Teen Project, Task I | 523049 | Evaluation of On-Line Moisture Sensors in an Extrusion Process Line | 523078 | IGP / Marketing Wheat - Mexico |
| 536834 | Match for Food Stamp Nutrition Education Plan | 523051 | USDA/ARS Research Support Agreement | 523079 | Optimizing Hard White Wheat Yield and Processing Performance in Kansas |
| 536835 | Improving Food Stamp Program Use Among Rural Older Adults: A Partnership for Research and Results | 523052 | USDA/ARS Research Support Agreement | 523080 | Development of Prediction Models for Wheat Quality Parameters |
| Grain Sciences | | 523053 | Evaluation of On-Line Moisture Sensors in an Extrusion Process Line | 523081 | Quality of Sulfuryl Fluoride (Profume) Treated Wheat |
| 522945 | Quality Evaluation of Materials from KAES Wheat Breeding | 523054 | Development and Evaluation of Ultrasonic Devices for Management of Stored Product Moths and other Arthropods | 523082 | Market Scale Evaluation of White Winter Wheat in Flour Tortilla Manufacturing (sub with Univ of Sonora involved) |
| 522986 | Partial-Waxy Starch Mutants of Hard Wheats & Their Use in Oriental Noodle | 523055 | Sorghum Grain Storage and Handling Activity | 523082 | Market Scale Evaluation of White Winter Wheat in Flour Tortilla Manufacturing |
| 522990 | Grain Quality Oriented Marketing of Hard Winter Wheat | 523056 | The Laidig Wheat Millfeeds Test Project | 523082 | Market Scale Evaluation of White Winter Wheat in Flour Tortilla Manufacturing |
| 523006 | Use of SKCS Data for Commercial Milling of Soft Red Winter, Soft White & Hard Red Spring Wheat | 523057 | The Impact of Storage on Wheat Milling Performance | 523082 | Market Scale Evaluation of White Winter Wheat in Flour Tortilla Manufacturing (sub with Univ of Sonora involved) |
| 523007 | Development of a Stored Wheat Areawide Management Program in Kansas | 523058 | Marine Degradable and Edible Gun Plug (Phase 1 Option) | 523082 | Market Scale Evaluation of White Winter Wheat in Flour Tortilla Manufacturing (sub with Univ of Sonora involved) |
| 523011 | International Grains Program Advisory Board | 523060 | US Army Adhesive Project | 523083 | Pre-Harvest Prediction of Wheat End-Use Quality |
| 523014 | Quality of Hard Winter Wheat for Bread, Tortillas and Asian Noodles | 523061 | Evaluation of Tox-Guard as a Mold Inhibitor in High-Molasses Textured Feeds | 523084 | Materials Release Agreement |
| 523016 | Texture Characterization of Crunchy Foods During Chewing | 523061 | Evaluation Of Tox-Guard As A Mold Inhibitor In High-Molasses Textured Feeds | 523085 | Bakery Oven Humidity Measurement & Control (Match) |
| 523019 | Objective Characterization of Texture Properties of Crunchy During Chewing | 523062 | Chemical/Physical Modification of Gluten Protein and Characterization | 523086 | Wheat Marketing - Mexico |
| 523021 | Gluten Proteins that Improve Bread Quality | 523063 | Research Support Agreement #58-5430-7-507 / T.O. #T15430204 | 523087 | Bakery Oven Humidity Measurement & Control |
| 523022 | Novel Sorghum Composite Flours Designed for Breadmaking | 523064 | Research Support Agreement #58-430-7-507 / T.O. #T15430205 | 523088 | A Continuation of Development of a Stored Wheat Areawide Management Program in Kansas |
| 523029 | International Grains Program Advisory Board | 523065 | Wheat Screening for Natural Desirable Lipids | 523090 | Analysis of Superoxide Dismutase |
| 523031 | International Grains Program Advisory Board | 523066 | Spinosad: an Effective Alternative to Pesticides for Management of Stored-Wheat Insects | 523103 | Grain Facility System Analysis to Improve Adoption of Value-Enhanced Grain Handling and Marketing in the US |
| 523036 | Pellet Mash Conditioning: a Study to Better Understand the Process | 523067 | Quality Evaluation from KAES Wheat Breeding Programs | 535173 | Bakery Science and Management Professorship |
| 523037 | Characterization of Modified Gluten Protein | 523068 | International Grains Program Support Project | 536232 | Graduate Seminar Program |
| 523038 | Fellowship for the Management of Stored-Product Insects with Heat in Food-Processing Facilities | 523069 | Biodegradable Plastics from Wheat Starch and Polylactic Acid | 536675 | Market Development Grant - International Grains Program Grain Storage, Handling, and Sanitation Specialist |
| 523039 | Degradable Adhesive Performance of Modified Proteins for Navy Applications | 523070 | Tortilla Shelf Life Improvement | 536696 | Market Development Grant - International Grains Program Grain Storage, Handling and Sanitation Specialist |
| 523041 | Chemical/Physical Modification of Gluten Protein and Characterization | 523071 | Protein/Hardness Screening of Early Progeny Wheats | 536783 | White Wheat Commercialization |
| 523044 | Genetic and Environment Effects of Wheat Protein Quality During Grain Development | 523072 | Edible/Biodegradable Composites for Animal Feed Supplement Containers | 536807 | White Wheat Commercialization |
| 523045 | Extrusion Process for Pregelatinizing Modified Wheat Starch | 523073 | Optimizing Hard White Wheat Yield and Processing Performance in Kansas | Hort/Forestry | |
| 523046 | Development and Evaluation of Pest Management Programs at Retail Grocery Stores | 523074 | Heat Sterilization for Insect Management in Food-Handling Establishments | 520516 | Integrated Crop Management: Spider Mites on Greenhouse-Grown Ivy Geraniums |
| 523048 | Evaluation of On-Line Moisture Sensors in an Extrusion Process Line | 523075 | Pelleting Characteristics of Cottonseed Meal in Corn-Soy Based Rations | 523860 | Pecan Cultivar Evaluation |
| | | 523076 | Pasta Ingredient Study | 523870 | The Evaluation and/or Assessment for Turfgrass |
| | | 523077 | Consortium for Integrated Management of Stored Product Insect Pests | 523873 | The Evaluation and/or Assessment for Turfgrass (Greens Test) |

Active Projects

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|--------|--|---------------------------------|--|-----------------------------------|--|
| 524063 | Environmental Impacts of Reducing Pesticide Uses on Fort Riley (Year 02) | 524088 | Physiological Mechanisms Involved in Chilling and Cold Stresses to Induce Tolerant of Cucurbitaceae and Strawberry | 525449 | FY2001 Kansas Water Resources Research Institute - Program Administration / Management Description |
| 524065 | National Turfgrass Evaluation Program (National Bermudagrass Test Bg-97-08) | 536121 | Missouri Pecan Growers | 525452 | FY2001 KS Water Res. Res. Inst. - A Field Assessment of Direct-Push Technology for Site Characterization |
| 524066 | The Importance of Carbon Balance & Root Activity in Creeping Bentgrass Tolerance to Summer Stresses | 536356 | Environmental Quality Incentives Program | 536792 | Implementing TMDL's in KS: Abatement of Non-Point Sources of Fecal Coliform Bacteria |
| 524067 | Biology & Management of Spring Dead Spot In Bermudagrass | 536485 | Riparian Buffer Initiative for the Kansas Potawatomie Reservation | 536797 | National Needs Fellowship - Management & Marketing Agribusiness Food & Forest Products |
| 524069 | Use of Pre-Charged Zeolites to Provide Aluminum for Blue Sepal Coloration During Hydrangea Production | 536693 | Fullbright/Laspau Fellowship For Boris Sanjur | 536798 | Watershed Specialist Initiative |
| 524070 | Turfgrass Testing | 536745 | Benefits and Design of Kansas Riparian Forest Buffers | 536801 | Planning Workshop for the Leadership Team of the Animal Waste Initiative |
| 524071 | Evaluation of Ornamental Species for the Great Plains | 536780 | Riparian Buffer Education to Improve Surface Water Quality in the Blue River of Nebraska and Kansas | 536819 | Abatement of Fecal Coliform Bacteria - Part 1 |
| 524073 | Visitor Satisfactions of Fee-Based Interpretation in the Us Forest Service: Evaluation | 536781 | Water Quality Improvement of Vegetated Riparian Areas and Buffers | 536821 | Waste Management Water Quality Protection Learning Center |
| 524074 | Integrated Crop Management: Spider Mites on Greenhouse-Grown Ivy Geraniums | Hotel, Rest. Inst/ Mgmt. | | 536848 | Implementing TMDL's in Kansas: Abatement of Nonpoint Sources of Fecal Coliform Bacteria |
| 524075 | Relationship between Tissue Nitrogen & Phosphorus Concentrations of Impatiens & Thrips Infestation & Damage on Impatiens Floriculture Research | 536683 | Interdisciplinary Modules to Teach Waste/Residue Management in the Food Chain | Northeast Area Extension | |
| 524076 | Relationship between Tissue Nitrogen & Phosphorus Concentrations of Impatiens & Thrips Infestation & Damage on Impatiens | KWRRI | | 536110 | Kansas Agriculture and Rural Leadership, Inc. |
| 524077 | Noxious Weed Pesticide Reduction Study/Support of Developing Best Management Practices (BMPs) for Land Management Systems at Ft Riley | 525360 | Integrated Ag Management Systems (IAMS) Using BMPs to Improve the Quality of Kansas Surface Waters | 536839 | Agricultural, Food, and Public Policy Preference Survey |
| 524078 | Converting Transition Zone Fairways from Perennial Ryegrass to Kentucky Bluegrass or Seeded Zoysiagrass | 525365 | Midwest Technology Assistance Center for Small Public Water Systems | Northwest Res. Ext. Center | |
| 524079 | Effects of Bacterium (Azospirillum Brasilense) and Vesicular Arbuscular Mychorrhizae (Glomus Intraradicies) on Cool-Season Turfgrass | 525366 | The Livestock Environmental Stewardship Initiative | 525761 | Other Multi Accounts Crop Performance |
| 524081 | A Pilot Project for the Testing and Assessment of Participatory Farm Monitoring to Achieve TMDL Goals | 525367 | Integrated Ag. Mgmt. Systems (IAMS) Using BMP's to Improve the Quality of Kansas Surface Water | 525772 | Water Conservation--Increased Efficiency in Usage |
| 524082 | A Pilot Project for the Testing and Assessment of Participatory Farm Monitoring to Achieve TMDL Goals | 525437 | FY 1999 State Water Research Institute Program | 525774 | Optimal Planting Strategies for Irrigated Corn Production with Limited Well Capacities |
| 524083 | Bioeconomic Assessment of Biologically Based Pest Management on Ivy Geranium | 525438 | FY 1999 State Water Research Institute Program | 525775 | Planting Dates and Maturity Group Effects on Soybean Production in Kansas |
| 524084 | Converting Transition Zone Fairways From Perennial Ryegrass To Kentucky Bluegrass Or Seeded Zoysiagrass | 525439 | FY 1999 State Water Research Institute Internship- Fort Hays State University and Wichita State University | 525777 | Water & Sediment Control Basin & Underground Outlet Construction Project |
| 524085 | Minimum Irrigation Requirements for Sod Production in Transition Zone | 525440 | FY2000 Kansas Water Resources Research Institute | 525778 | Strategies for the Management of the Sunflower Stem Weevil |
| 524086 | KSU Gardens | 525441 | FY2000 Kansas Water Resources Research Institute | 525779 | Quantifying Heat and Water Stress Impacts on Yield and Water Use for Oilseed Sunflower Crops |
| 524087 | KSU Gardens Tourist Brochure | 525442 | Marine Degradable And Edible Gun Plug | Plant Pathology | |
| | | 525444 | Integrated Ag. Management Systems (IAMS) Using BMP's to Improve the Quality of Kansas Surface Water | 524475 | Non-Conventional Plant Improvement Technology |
| | | 525445 | Green Topeka: Tree-Based Buffer Planning in the Shunganunga Creek Watershed | 524478 | Fusarium Research |
| | | 525446 | Integrated Ag Mgmt Systems (IAMS) Using BMP's to Improve the Quality of Kansas Surface Water | 524565 | Nematode and Soybean Research |
| | | | | 524597 | Agroecology & Biotechnology of Fungal Pathogens of Sorghum and Millet from the Greater Horns of Africa |

Active Projects

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| 536484 | Kansas Agricultural Mediation Service |
| 536486 | Income for Kansas Agricultural Mediation Service |
| 536493 | Kansas Extension Farm Safety Performance Plan |
| 536702 | Sustainable Research & Education Program |
| 536712 | NCR SARE Professional Development Program Coordinator |
| 536733 | Sustainable Agriculture Research and Education Program |
| 536744 | Environmental Farm Analysis & Planning: a Whole Farm Planning Training Exercise Designed for Extension and NRCS Personnel |
| 536744 | Environmental Farm Analysis & Planning: a Whole Farm Planning Training Exercise Designed for Extension and NRCS Personnel |
| 536749 | KS Agricultural Mediation Service |
| 536750 | Income for KS Agricultural Mediation Service |
| 536752 | NCR SARE Professional Development Program Coordinator (Part 2) |
| 536808 | Integrated Pest Management - Salary Account - FORMULA FUNDS |
| 536809 | Integrated Pest Management - OOE Monies - FORMULA FUNDS |
| 536812 | Sustainable Agriculture Research and Education Program - (Kansas Professional Development Program) |
| 536813 | Kansas Agricultural Mediation Service |
| 536814 | Income for Kansas Agricultural Mediation Service |
| 536833 | Renewable Resources Extension Act Program (RREA Formula Funds) |
| 536835 | Improving Food Stamp Program Use Among Rural Older Adults: A Partnership for Research and Results |
| 536853 | NCR SARE Professional Development Program Coordinator |
| 536874 | Subcontracts for Environmental Farm Analysis and Planning Training Exercise Designed for Extension and NRCS Personnel |

School of Family Studies

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| 536005 | Income for KS Health Foundation Projects |
| 536495 | Expanding Access to USDA & Land-Grant Universities Child Care Information, Programs & Services |
| 536716 | National Childcare Initiative Income Addition Alternative Account |
| 536723 | Path Intergenerational Project |
| 536751 | NNCC Internet Web Site & Database Recruitment for Air Force Internships Pilot Project |

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| 536753 | CYFAR Supported Extension Staff Training |
| 536755 | Implementing the Coop. Extension System Child Care Initiative |
| 536763 | Veterinarian HACCP Training Program Reducing on-farm FOODBORNE Pathogens |
| 536790 | Income USDA / Army |
| 536791 | Immunize for Life Promotion and Education |
| 536791 | Immunize For Life Promotion And Education |
| 536822 | Path Intergenerational Project |
| 536823 | Implementing the CES Extension CARES Initiative |
| 536842 | SUBCONTRACTS for Expanding Access to USDA & Land-Grant Univ. Child Care Info. Program & Service |
| 536869 | Healthy Indoor Air for Kansas Homes |

Sociology, Anthropology

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| 527628 | Agriculture in the Internet Economy |
| 527629 | Evaluation of the Healthwave Program |
| 527630 | SGER: Collaborative Research: The Internet and the U.S. Agricultural System |

Southcentral Area Extension

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| 536824 | Healthy People Healthy Communities and National Network for Health-Immunization Work Group |
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Southeast Area Extension

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| 520002 | Management Information System For Local Governments |
| 535865 | Double Crop Soybean Performance Test - Extension Area Offices |
| 536788 | A Short Season Corn Educational Program in Southeast Kansas |
| 536789 | A Soybean Extension Educational Program in Southeast Kansas |

Southeast Res. Ext. Center

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| 526416 | Soybean Research in Southeast Kansas |
| 526417 | Integrated Management of the Soybean Cyst Nematode and Charcoal Rot |
| 526418 | Improving Soybean Profitability through Breeding |
| 526419 | Effects of Crop Rotation and Tillage Systems on Soybean Yield in SE KS |
| 526419 | Effects of Crop Rotation and Tillage Systems on Soybean Yield in SE Kansas |
| 526420 | Southeast KS Crop Performance Testing Program |

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| 526421 | Effect of Supplementation Method on Grazing and Subsequent Feedlot Performance of Stocker Steers |
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Southwest Area Extension

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| 527577 | Chemical Evaluation SW Area Ext. Multi-Sponsored Acct. |
| 536700 | Demonstration of Best Management Practices to Avoid Groundwater Pollution from Application of Livestock Manure to Cropland |
| 536818 | Irrigation Scheduling Demonstration of Efficient Water Use by Corn in Western Kansas |

Southwest Res. Ext. Center

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| 526193 | Water Conservation--Increased Efficiency In Usage |
| 526195 | Optimal Planting Strategies for Irrigated Corn Production with Limited Well Capacities |
| 526196 | Windbreak Establishment |
| 526197 | Long-Term, Large-Scale Dryland Cropping Systems |
| 526199 | Planting Dates and Maturity Group Effects on Soybean Production in Kansas |
| 526200 | Manure & Water Management for Environmental Protection & Corn Production |
| 526201 | Water Conservation -- Increased Efficiency in Usage |
| 526202 | Compatibility of Intensified Cropping Systems & Wildlife Habitat in Western Kansas |

Vet Diagnosis

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| 528901 | The Use Of Acid-Stable Interferon To Augment The Immune System Of Racing Greyhounds |
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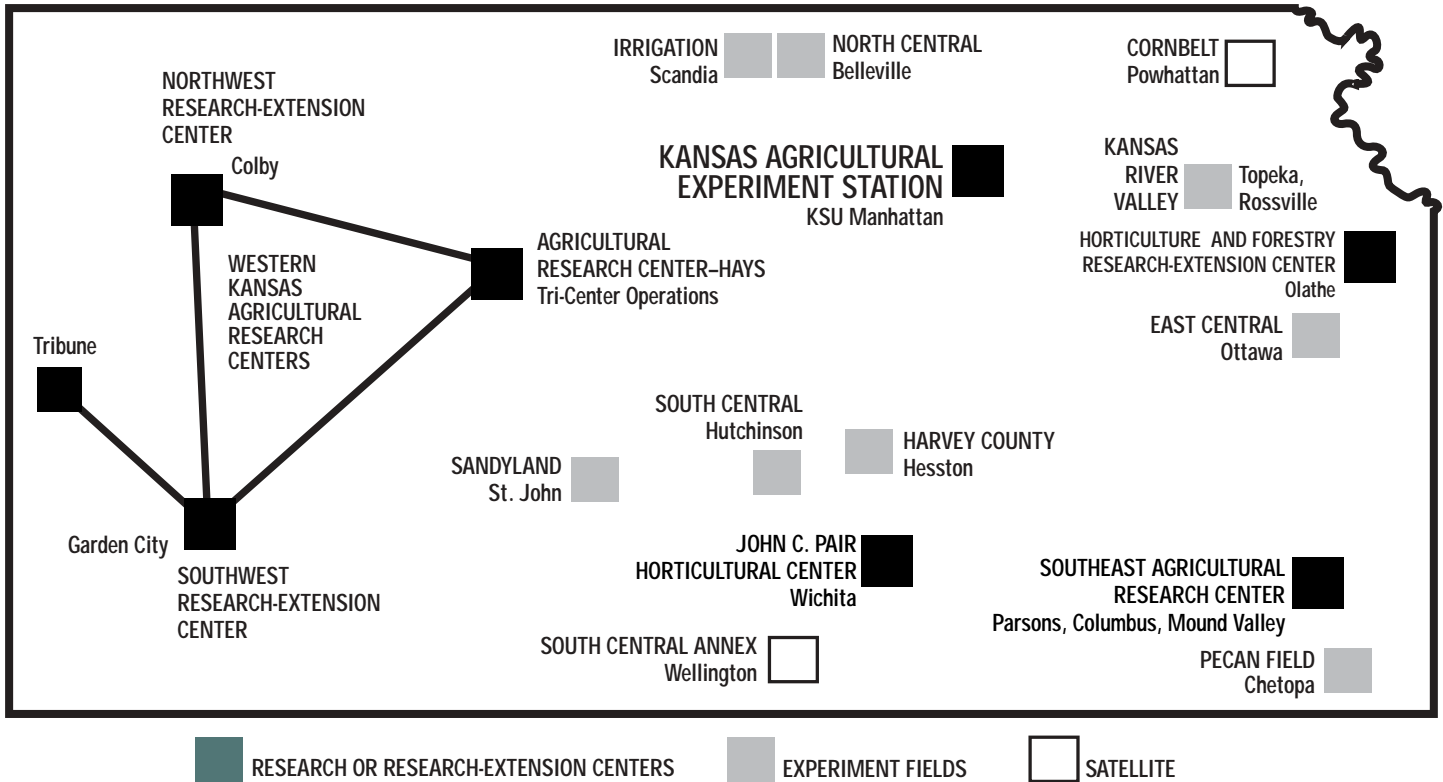
Wheat Research Center

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| 527590 | Hard White Wheat Varieties' Milling Performance |
| 527591 | Hard White Wheat Varieties' Milling Performance |
| 527590 | Hard White Wheat Varieties' Milling Performance |
| 527591 | Hard White Wheat Varieties' Milling Performance |

FY2001 Kansas Agricultural Experiment Station Income and Disbursement Statement

| | 5.98% | 53.13% | 12.92% | 27.97% | | |
|-------------------------------------|--------------------|---------------------|--------------------|---------------------|---------------------|----------------|
| FY2001 Funding | \$3,346,243 | \$29,731,077 | \$7,228,930 | \$15,652,293 | \$55,958,543 | |
| | Federal | State | Fees | Sponsors | Total | Percent |
| FY2001 Expenditures | | | | | | |
| Faculty and Administrative Salaries | \$2,248,461 | \$18,521,528 | \$895,002 | \$8,312,889 | \$29,977,880 | 53.57% |
| Classified and Student Salaries | \$209,163 | \$5,950,812 | \$875,684 | \$1,437,127 | \$8,472,786 | 15.14% |
| Contract Services and Travel | \$337,471 | \$2,258,561 | \$1,455,480 | \$2,748,580 | \$6,800,092 | 12.15% |
| Supplies and Material | \$448,069 | \$1,843,418 | \$3,462,752 | \$2,285,801 | \$8,040,040 | 14.37% |
| Equipment | \$103,079 | \$1,156,758 | \$540,012 | \$867,896 | \$2,667,745 | 4.77% |
| Totals | \$3,346,243 | \$29,731,077 | \$7,228,930 | \$15,652,293 | \$55,958,543 | 100% |

Kansas State University Statewide Agricultural Research Services



Kansas State University Agricultural Experiment Station and Cooperative Extension Service

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JANUARY 2002

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