

# DIRECTOR'S REPORT OF RESEARCH IN KANSAS 2008

JULY 1, 2003 TO JUNE 30, 2008



KANSAS AGRICULTURAL  
EXPERIMENT STATION



## Letter of Transmittal

Office of the Director

To the Honorable Mark Parkinson, 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, 2008. This report contains the title, author, and publication information for manuscripts published by station scientists. The report was published only in electronic format.



Fred A. Cholick  
Director, K-State Research and Extension  
Dean, College of Agriculture

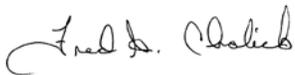
## A Message from the Director

We are pleased to provide this 2008 Director's Report of Research in Kansas. The report is intended to inform you about our research programs under way and some of our accomplishments. K-State Research and Extension is dedicated to a safe and sustainable food and fiber system and to strong, healthy communities, families, and youth through integrated research, analysis, and education.

This report is 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.

The 2008 Director's Report of Research in Kansas provides a list of journal articles, station publications, and other published manuscripts from scientists in our departments, centers, fields, and associated programs.

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.



Fred A. Cholick  
Director, K-State Research and Extension  
Dean, College of Agriculture



# Contents

Research Components of the Kansas		Entomology.....	103
Agricultural Experiment Station.....	1	Family Studies.....	121
Station Publications .....	3	Food Animal Health and	
Publications of Station Scientists.....	5	Management Center .....	122
Administration .....	5	Food Science Institute.....	127
Agricultural Economics .....	5	Geography.....	129
Agronomy .....	10	Grain Science and Industry.....	130
Anatomy and Physiology .....	30	Horticulture, Forestry, and Recreation	
Animal Sciences and Industry.....	33	Resources .....	138
Apparel, Textiles, and Interior Design.....	58	Hospitality Management and	
Biochemistry.....	59	Dietetics .....	145
Biological and Agricultural		Human Nutrition.....	145
Engineering.....	67	Math.....	150
Biology.....	76	Plant Pathology.....	150
Chemical Engineering.....	86	Secondary Education.....	168
Chemistry.....	88	Sociology, Anthropology, and	
Civil Engineering.....	88	Social Work .....	168
Clinical Sciences.....	89	Statistics.....	168
Communications.....	92	Agricultural Research Center–Hays.....	175
Community Health Institute.....	94	Northwest Research-Extension Center .....	182
Diagnostic Medicine/Pathobiology.....	95	Southeast Agricultural Research Center .....	188
Electrical and Computer Engineering.....	103	Southwest Research-Extension Center .....	194

## Search Tips

To find publications by a particular author, type the surname in the “find” search box in the Acrobat toolbar in this document. Use “Find Next” until all relevant publications are found.

To minimize irrelevant items when searching for common names such as Smith or Johnson, go to the page for the author’s unit (or use the unit bookmark) to start your search.

### On the cover

Kansas Agricultural Experiment Station scientists conduct research at on- and off-campus facilities across the state.

Pictured (clockwise from top, left to right within each picture):

Rodney St. John, assistant professor of turfgrass science, Department of Horticulture, Forestry, and Recreation Resources

John Jaeger, assistant professor and beef cattle scientist, and Keith Harmony, associate professor and range scientist, Agricultural Research Center–Hays

X. Susan Sun, professor, Department of Grain Science in Industry, and Director, Center for Biobased Polymers by Design

Peter Nyori, graduate research assistant, and Allan Fritz, professor and wheat breeder, Department of Agronomy

# Research Components of the Kansas Agricultural Experiment Station\*

(See map, p. 2)

## Academic Departments

### College of Agriculture

Agricultural Economics  
Agronomy  
Animal Sciences and Industry  
Communications  
Entomology  
Grain Science and Industry  
Horticulture, Forestry and Recreation Resources  
Plant Pathology

### College of Arts and Sciences

Biochemistry  
Biology  
Statistics

### College of Engineering

Biological and Agricultural Engineering  
Chemical Engineering  
Civil Engineering

### College of Human Ecology

Apparel, Textiles and Interior Design  
Hospitality Management and Dietetics  
Human Nutrition

### College of Veterinary Medicine

Anatomy and Physiology  
Clinical Sciences  
Diagnostic Medicine/Pathobiology  
Veterinary Diagnostic Lab

## 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

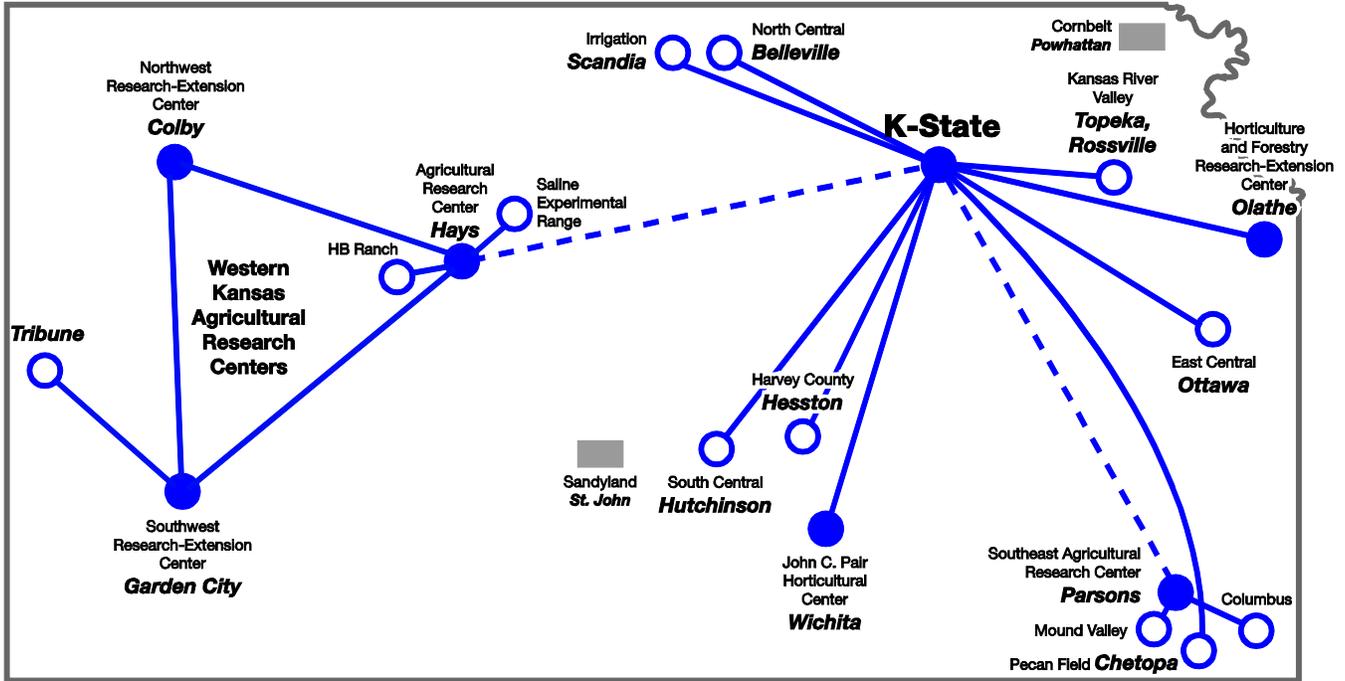
East Central - Ottawa  
Harvey County - Hesston  
Irrigation - Scandia  
Kansas River Valley - Rossville, Silver Lake  
North Central - Belleville  
Pecan Field - Chetopa  
South Central - Hutchinson

## Associated Programs

Bioprocessing and Industrial Value-Added Program  
Center for Animal Identification  
Center for Biobased Products by Design  
Center for Sustainable Energy  
Food Science Institute  
Great Plains Diagnostic Network  
Great Plains Sorghum Improvement and Utilization Center  
Kansas Ag and Rural Leadership  
Kansas Center for Agricultural Resources and the Environment  
Kansas Center for Sustainable Ag and Alternative Crops  
Kansas Cooperative Development Center  
Kansas Water Resources Institute  
Konza Prairie Biological Station  
International Grains Program  
International Meat and Livestock Program  
Plant Biotechnology Center  
Weather Data Library  
Wheat Genetic and Genomic Resources Center

\* List includes units having faculty with KAES appointments in fiscal year 2008. For a full list of departments and programs of the Kansas Agricultural Experiment Station and Cooperative Extension Service and for additional information on K-State Research and Extension, see [www.ksre.ksu.edu](http://www.ksre.ksu.edu), and click on “About Us” in the sidebar.

## Kansas State University Agricultural Research Locations



● ○ Current research centers and experiment fields.

■ Former research locations referenced in some publications in this report. The Combelt Experiment Field closed in 2000. The Sandyland Experiment Field was managed by the Department of Agronomy through 2004 and by the Agricultural Research Center-Hays through 2008.

## Station Publications

### Reports of Progress

SRP 912	2003 Kansas performance tests with winter wheat varieties	SRP 943	Beef cattle research 2005 (electronic only)
SRP 913	Agronomy field research 2003 (electronic only)	SRP 944	2005 Agricultural research, Southeast Agricultural Research Center
SRP 914	2003 Kansas performance tests with corn hybrids	SRP 945	Field day 2005, Southwest Research-Extension Center
SRP 915	2003 Kansas performance tests with grain sorghum hybrids	SRP 946	K-State turfgrass research 2005 (electronic only)
SRP 916	2003 Kansas performance tests with soybean varieties	SRP 947	2005 Kansas performance tests with winter wheat varieties
SRP 917	2004 Chemical weed control for field crops, pastures, rangeland, and noncropland	SRP 948	Agronomic and economic impacts of Kansas Agricultural Experiment Station wheat breeding program 1977-2005
SRP 918	2003 Kansas performance tests with alfalfa varieties	SRP 949	2005 Kansas performance tests with corn hybrids
SRP 919	Dairy day 2003 (electronic only)	SRP 950	2005 Kansas performance tests with grain sorghum hybrids
SRP 920	Swine day 2003 (electronic only)	SRP 951	2005 Kansas performance tests with soybean varieties
SRP 921	Kansas fertilizer research 2003 (electronic only)	SRP 952	2005 Kansas performance tests with alfalfa varieties
SRP 922	2003 Kansas performance tests with sunflower hybrids	SRP 953	2005 Kansas performance tests with sunflower hybrids
SRP 923	Cattlemen's day 2004 (electronic only)	SRP 954	2005 National winter canola variety trial
SRP 924	2003 National winter canola variety trial	SRP 955	2005 Kansas performance tests with summer annual forages
SRP 925	2003 Kansas performance tests with summer annual forages	SRP 956	Agronomy field research 2005 (electronic only)
SRP 926	2004 Agricultural research, Southeast Agricultural Research Center	SRP 957	Kansas fertilizer research 2005 (electronic only)
SRP 927	Field day 2004, Southwest Research-Extension Center	SRP 958	2006 Chemical weed control for field crops, pastures, rangeland, and noncropland
SRP 928	Agronomy field research 2004 (electronic only)	SRP 959	Beef cattle research 2006 (electronic only)
SRP 929	K-State turfgrass research 2004 (electronic only)	SRP 960	2006 Agricultural research, Southeast Agricultural Research Center
SRP 930	2004 Kansas performance tests with winter wheat varieties	SRP 961	Field Day 2006, Southwest Research Extension Center
SRP 931	2004 Kansas performance tests with spring small grains	SRP 961s	Field Day 2006 forage supplement, Southwest Research Extension Center (electronic only)
SRP 932	2004 Kansas performance tests with corn hybrids	SRP 962	K-State turfgrass research 2006 (electronic only)
SRP 933	2004 Kansas performance tests with grain sorghum hybrids	SRP 963	Dairy research 2005
SRP 934	2004 Kansas performance tests with soybean varieties	SRP 964	Swine research 2005 (electronic only)
SRP 935	2004 Kansas performance tests with alfalfa varieties	SRP 965	Dairy research 2006
SRP 936	2004 Kansas performance tests with sunflower hybrids	SRP 966	Swine day 2006 (electronic only)
SRP 937	2004 National winter canola variety trial	SRP 967	2006 Kansas performance tests with winter wheat varieties
SRP 938	2004 Kansas performance tests with summer annual forages	SRP 968	2006 Kansas performance tests with corn hybrids
SRP 939	Kansas fertilizer research 2004 (electronic only)	SRP 969	2006 Kansas performance tests with grain sorghum hybrids
SRP 940	Swine day 2004 (electronic only)	SRP 970	2006 Kansas performance tests with soybean varieties
SRP 941	Dairy day 2004 (electronic only)	SRP 971	2006 Kansas performance tests with alfalfa varieties
SRP 942	2005 Chemical weed control for field crops, pastures, rangeland, and noncropland		

- SRP 972 2006 Kansas performance tests with sunflower hybrids
- SRP 973 2006 National winter canola variety trial
- SRP 975 Agronomy field research 2006 (electronic only)
- SRP 976 Kansas fertilizer research 2006 (electronic only)
- SRP 977 2007 Chemical weed control for field crops, pastures, rangeland, and noncropland
- SRP 978 Beef cattle research 2007 (electronic only)
- SRP 979 2007 Agricultural research, Southeast Agricultural Research Center
- SRP 980 Field day 2007, Southwest Research-Extension Center
- SRP 981 K-State turfgrass research 2007
- SRP 982 2007 Kansas performance tests with winter wheat varieties
- SRP 983 2007 Kansas performance tests with corn hybrids
- SRP 984 Dairy research 2007
- SRP 985 Swine day 2007 (electronic only)
- SRP 986 2007 Kansas performance tests with grain sorghum hybrids
- SRP 987 2007 Kansas performance tests with soybean varieties
- SRP 988 2007 Kansas performance tests with alfalfa varieties
- SRP 989 2007 Kansas performance tests with sunflower hybrids
- SRP 990 2007 National winter canola variety trial
- SRP 992 Agronomy field research 2007 (electronic only)
- SRP 993 Kansas fertilizer research 2007 (electronic only)
- SRP 994 2008 Chemical weed control for field crops, pastures, rangeland, and noncropland
- SRP 995 Beef cattle research 2008 (electronic only)
- SRP 996 2008 Agricultural research, Southeast Agricultural Research Center
- SRP 997 Field day 2008, Southwest Research-Extension Center
- SRP 998 K-State turfgrass research 2008 (electronic only)

### **Keeping Up With Research**

- SRL 139 Walnut and scotch pine trees grown with farm crops
- SRL 140 Evaluation of soybean varieties for iron-deficiency chlorosis (electronic only)

### **Special Publications**

- DRR 3 2003 Director's report of research in Kansas (electronic only)
- UNN Another 50 years of progress (1957-2007): Historical review of the second 50 years of the Kansas State University Southwest Research-Extension Center at Garden City, Kansas
- UNN Sedimentation in our reservoirs: Causes and solutions

### **Suffix Letters for Contribution Numbers**

- A Proceedings of meeting or symposium
- B Book or book chapter
- C Computer program
- D Department report
- J Journal manuscript
- S Station publication (report of progress, keeping up with research, special publication, or bulletin)
- T Trade publication

Categories are based on information received before manuscripts are published. Type of publication sometimes changes later.

Station publications are available on the World Wide Web at: [www.ksre.ksu.edu/library](http://www.ksre.ksu.edu/library)

Department reports are available only from the appropriate department office. Copies of journal articles or other external publications must be obtained from authors, journals, or a library.

## Publications of Station Scientists (by unit and contribution number)

Note: Manuscripts are cross listed under all KAES units having a coauthor. This report covers five fiscal years; some units listed may no longer have faculty with KAES appointments but did at the time manuscripts were published or submitted for numbering.

### Administration

- 05-109-J A workshop report on wheat genome sequencing: International genome research on wheat consortium  
B.S. Gill, R. Appels, A. Botha-Oberholster, C.R. Buell, J.L. Bennetzen, B. Chalhouf, F. Chumley, J. Dvorak, M. Iwanaga, B. Keller, W. Li, W.R. McCombie, Y. Ogihara, F. Quetier, T. Sasaki  
Genetics, 168:1087-1096, 2004
- 06-64-D 2005 Report on grains research and educational programs supported by Kansas corn, grain sorghum, soybean, and wheat commissions  
F. Chumley  
November 2006  
(available only from department)
- 06-333-S Agronomic and economic impacts of Kansas Agricultural Experiment Station wheat breeding program 1977-2005  
L.L. Nalley, A.P. Barkley, F. Chumley  
KS Agric. Exp. Stn. Report of Progress 948, June 2006
- DRR 3 2003 Director's report of research in Kansas  
June 2004, 49 pp. (electronic only)  
<http://www.oznet.ksu.edu/library/misc2/drr3.pdf>

### Agricultural Economics

- 00-177-A Factors underlying producer investments in food-processing cooperatives  
M.A. Boland, J. Lusk, D. Barton  
Proceedings of the NCR-194 Research on Cooperatives Meeting  
Kansas City, MO, 1999
- 03-23-J Willingness to pay to improve domestic water supply in rural areas of central Tanzania: Implications for policy  
A.R.M. Kaliba, D.W. Norman, Y-M. Chang  
The International J. of Sustainable Development and World Ecology, 10:119-132, 2003

- 03-24-J Assessing sustainability of community-based water utility projects in central Tanzania with the help of canonical correlation analysis  
A.R.M. Kaliba, D.W. Norman  
J. of Environmental Assessment Policy and Management, 6:73-90, 2004
- 03-52-D Higher energy prices: Impacts on production costs for Kansas crop farms in 2000 and 2001  
J.R. Williams, R.G. Nelson, M.R. Langemeier  
Agricultural Economics Department Staff Paper no. 04-06, 2003, 28 pp.  
(available only from department)
- 03-173-J Placement of UAN for dryland winter wheat in the central High Plains  
A.J. Schlegel, K.C. Dhuyvetter, J.L. Havlin  
Agronomy J., 95:1532-1541, 2003
- 03-208-J Optimal pest control in greenhouse production of ornamental crops  
S.K. Schumacher, T.L. Marsh, K.A. Williams  
Agricultural Economics, 34:39-50, 2006
- 03-234-J Economies of scale in the greenhouse floriculture industry  
S.K. Schumacher, T.L. Marsh  
J. of Agricultural and Applied Economics, 35:497-507, 2003
- 03-396-D Financial analysis for sustainable agriculture: Part 1: Gross margin analysis; Part 1B: Sensitivity analysis and partial budgeting  
R.O. Burton, Jr., D.W. Norman, S.G. Freyenberger, R.D. Jones, J. Jost  
Kansas Sustainable Agriculture Series Paper No. 9, 2004
- 03-407-A Costs of individual onsite wastewater treatment systems  
J.R. Williams, G.M. Powell, R.D. Jones, A. Murat, W.R. Perry  
Proceedings of the 10th National Symposium on Individual and Small Community Sewage Systems  
Sacramento, CA, 2004

- 03-428-J Country-of-origin labeling for Uruguayan beef  
L. Perez, M. Boland, T. Schroeder  
International Food and Agribusiness Management Review, 6(4):1-12, 2003
- 04-015-D Pasture leasing arrangements in Kansas  
B.B. Golden, L.J. Tsoodle, H.M. Bigge  
Agricultural Economics Department Staff Paper no. 04-01, 2003, 16 pp.  
(available only from department)
- 04-036-D Mathematical formulas for calculating net returns from participation in government programs, CRP, and crop insurance alternatives  
D.L. Pendell, W.R. Perry, J.R. Williams, G.A. Barnaby, B.D. Lubben  
Agricultural Economics Department Staff Paper no. 04-02, 2003, 47 pp.  
(available only from department)
- 04-037-A Net present value analysis of streambank stabilization projects on the Little Blue River in Washington County, Kansas  
J.R. Williams, P. Clark  
Research report prepared for the Kansas State Conservation Commission and Kansas Department of Health and Environment  
Topeka, KS, 2003
- 04-041-J Alfalfa hay quality and alternative pricing systems  
J.A. Hopper, H.H. Peterson, R.O. Burton, Jr.  
J. of Agricultural and Applied Economics, 36(1):73-90, 2004
- 04-043-J Using a partial budgeting tool to describe the effect of lactation space and lactation space management on a multi-site production system's net revenue  
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, K.C. Dhuyvetter, J.L. Nelssen  
J. of Swine Health and Production, 13:322-332, 2005
- 04-91-D Nonirrigated crop-share leasing arrangements in Kansas  
B.B. Golden, L.J. Tsoodle, H. Bigge  
Agricultural Economics Department Staff Paper no. 04-03, 2003, 23 pp.  
(available only from department)
- 04-170-D How much of commodity price behavior can a rational expectations storage model explain?  
H.H. Peterson, W.G. Tomek  
Agricultural Economics Department Staff Paper no. 04-04, 2003, 35 pp.  
(available only from department)
- 04-193-D What do you think? Participant survey results: 2003 K-State risk and profit conference  
M. Brant, P. Clark, D. Pendell  
Agricultural Economics Department Staff Paper no. 04-05, 2003, 21 pp.  
(available only from department)
- 04-316-J The persistence of profitability among firms in the food economy  
S.K. Schumacher, M.A. Boland  
American J. of Agricultural Economics, 87(1):103-115, 2005
- 04-357-J Undergraduate agribusiness programs: Focus or falter  
M.A. Boland, J.T. Akridge  
Review of Agricultural Economics, 26(4):564-578, 2004
- 04-358-J The effects of industry and firm resources on profitability in the food economy  
S.K. Schumacher, M.A. Boland  
Agribusiness, 21(1):97-108, 2005
- 04-371-D Staff, programs, and publications in Agricultural Economics, Kansas State University, 2003  
D. Foster  
Agricultural Economics Department Staff Paper no. 04-07, 2004, 49 pp.  
(available only from department)
- 04-418-J A survey and analysis of the costs of individual onsite septic tank and lagoon treatment systems  
J.R. Williams, G.M. Powell, R.D. Jones  
Small Flows Quarterly, 6(1):38-47, 2005
- 05-99-D Crop-share leasing arrangements for irrigated land in Kansas  
R.B. Garrett, L.J. Tsoodle, W.B. Golden  
Agricultural Economics Department Staff Paper no. 05-01, 2004, 20 pp.  
(available only from department)

- 05-100-D What do you think? Participant survey results: 2004 K-State risk and profit conference  
M. Brant, D.L. Pendell, G.T. Tonsor  
Agricultural Economics Department Staff Paper no. 05-02, 2004, 17 pp.  
(available only from department)
- 05-111-B Entrepreneurship education for the African informal sector  
H.A. Cader, D.W. Norman  
In: International entrepreneurship education: Issues and newness, A. Fayolle, H. Klandt (Eds.). Cheltenham, UK: Edward Elgar Publishers, pp. 277-295, 2006
- 05-144-S Beef cattle research 2005  
M. McKee, E.R. Loe, J.S. Drouillard, T.J. Klopfenstein, G.E. Erickson, B.E. Dicke, D.K. Walker, E.C. Titgemeyer, B.E. Depenbusch, A.S. Webb, R.W. Daubert, J.J. Sindt, J.T. Fox, M.A. Greenquist, M.E. Corrigan, G.F. Schroeder, M.S. Awawdeh, D.P. Gnad, M.F. Spire, D.A. Mosier, J.E. Minton, J.J. Higgins, R.L. Hale, C.T. Thompson, T.J. Dumler, C.T. MacKown, M. Hampton, G.L. Gold, T.T. Marston, D.L. Davis, B.D. Wood, R.L. Schaub, R.M. Breiner, D.A. Llewellyn, J.A. Christopher, J.R. Brethour, G.L. Stokka, D. Gray, R. Armendariz, L.C. Hollis, J.F. Smith, B.J. Johnson, S. Kapil, K.W. Harborth, E.K. Schlickau, J.A. Unruh, M.E. Dikeman, K. Dhuyvetter, R. Jones, T. Turner, T. Marsh, R.W. Porter, S.K. Johnson, B.T. Gray, J.P. Grobbel, J.S. Smith, D.H. Kropf, G.A. Milliken, E.J. Yancey, L.J. Franken, E.J. Harvey, J.L. Marsden, R.K. Phebus, C. Pearsall, M. Singh, H. Thippareddi, T.J. Herald, A.L. Nutsch, R.R. Coger, R. Forgey, C.A. Tanus, S.K. Stoltenberg, K.J.K. Getty, T.M. Loughin, G.V. Hickey, J.M. Bieker, C.L. Kastner  
KS Agric. Exp. Stn. Report of Progress 943, Feb. 2005
- 05-180-J Vertical integration in Ecuador: The case of fresh-cut fruit  
C. Piana, A. Featherstone, M. Boland  
Review of Agricultural Economics, 27(4):593-604, 2005
- 05-229-J Combining management practices to reduce sediment, nutrients, and herbicides in runoff  
M.B. Zeimen, K.A. Janssen, D.W. Sweeney, G.M. Pierzynski, K.R. Mankin, D.L. Devlin, D.L. Regehr, M.R. Langemeier, K.A. McVay  
J. of Soil and Water Conservation, 61(5):258-267, 2006
- 05-245-J The sustainability of return on assets among sectors in the food economy  
M. Boland, S. Schumacher  
Agricultural Finance Review, 65(1):31-44, 2005
- 05-256-J Economic feasibility of no-tillage and manure for soil carbon sequestration in corn production in northeastern Kansas  
D.L. Pendell, J.R. Williams, C.W. Rice, R.G. Nelson, S.B. Boyles  
J. of Environmental Quality, 35:364-373, 2006
- 05-303-D International agricultural productivity  
E. Ogunyinka, M. Langemeier, D. Norman  
Agricultural Economics Department Staff Paper no. 05-03, 2005, 47 pp.  
(available only from department)
- 05-330-D Staff, programs, and publications in Agricultural Economics, Kansas State University, 2004  
D.L. Foster  
Agricultural Economics Department Staff Paper no. 05-04, 2005, 47 pp.  
(available only from department)
- 06-20-J Input quality in the sugar beet industry  
M.A. Boland, T.L. Marsh  
J. of Agricultural and Resource Economics, 31(1):114-128, 2006
- 06-21-J Vertical integration in the malting barley industry: A "silver bullet" for Coors?  
M.A. Boland, G.W. Brester  
Review of Agricultural Economics, 28(1):272-283, 2006
- 06-46-S Dairy research 2005  
J.S. Stevenson, L.C. Hollis, J.F. Smith, B.J. Johnson, S. Kapil, D.A. Mosier, M.J. Brouk, D.V. Armstrong, M.J. Van Baale, D.R. Bray, J.P. Harner, B. Cvetkovic, K.C. Dhuyvetter, T.L. Kastens  
KS Agric. Exp. Stn. Report of Progress 963, Nov. 2005

- 06-120-D Production subsidies and the welfare of West African farmers: The example of cotton  
L. Small, D. Norman, H.H. Peterson, B. Flinchbaugh  
Agricultural Economics Department  
Research Report no. 37, 2005, 25 pp.  
(available only from department)
- 06-122-J An economic evaluation of site-specific herbicide application  
T.W. Rider, J.W. Vogel, J.A. Dille, K.C. Dhuyvetter, T. Kastens  
Precision Agriculture, 7:379-392, 2006
- 06-154-D Comparison of 2002 census and KFMA farms  
M.R. Langemeier  
Agricultural Economics Department Staff  
Paper no. 06-01, 2005, 17 pp.  
(available only from department)
- 06-175-A Agricultural health and safety: A research agenda for agricultural economists  
R.M. Key, R.O. Burton, Jr., A.M. Featherstone  
Proceedings of the Southern Agricultural Economics Association Annual Meetings  
Orlando, FL, 2006
- 06-176-D Institutional reforms and their impact on agricultural production in the central Asian transition countries  
Y. Yahshilikov, D. Norman, A. Biere, M. Langemeier  
Agricultural Economics Department  
Research Report no. 38, 2006, 18 pp.  
(available only from department)
- 06-205-S Beef cattle research 2006  
K.W. Harborth, T.T. Marston, D.A. Llewellyn, B.B. Barnhardt, C.D. Reinhardt, D.A. Blasi, J.C. Forcherio, R.R. Scott, M.J. Quinn, J.S. Drouillard, E.R. Loe, B.E. Depenbusch, A.S. Webb, M.E. Corrigan, D.K. Walker, E.C. Titgemeyer, J.J. Higgins, B.J. Johnson, S.J. Winterholler, G.L. Parsons, E.K. Sissom, J.P. Hutcheson, R.S. Swingle, D.A. Yates, J.A. Christopher, J.R. Brethour, G.L. Stokka, L.C. Hollis, K.L. Teutemacher, M.W. Sanderson, A.M. Bryant, M.P. Epp, S.J. Glaenger, A. Babcock, R. Jones, M. Langemeier, D.R. Eborn, G.E. Freneau, D.M. Grieger, M.L. Ahnström, M. Seyfert, M.C. Hunt, D.E. Johnson, S.M. Ryan, R.A. Mancini, L. Veloso, J.A. Unruh  
KS Agric. Exp. Stn. Report of Progress 959, Mar. 2006
- 06-308-J The mountain states lamb cooperative: Can vertical integration keep lamb producers from being fleeced?  
M.A. Boland, A. Bosse, G.W. Brester  
Review of Agricultural Economics, 29(1):157-169, 2007
- 06-331-D Staff, programs, and publications in Agricultural Economics, Kansas State University, 2005  
D.L. Foster  
Agricultural Economics Department Staff  
Paper no. 06-02, 2006, 39 pp.  
(available only from department)
- 06-333-S Agronomic and economic impacts of Kansas Agricultural Experiment Station wheat breeding program 1977-2005  
L.L. Nalley, A.P. Barkley, F. Chumley  
KS Agric. Exp. Stn. Report of Progress 948, June 2006
- 06-343-D Evaluation of water conservation from more efficient irrigation systems  
B.B. Golden, J.M. Peterson  
Agricultural Economics Department Staff  
Paper no. 06-03, 2006, 70 pp.  
(available only from department)
- 06-366-J Determinants of agricultural economic faculty salaries: A quarter of a century later  
B.B. Golden, L.J. Tsoodle, O.O. Odeh, A.M. Featherstone  
Review of Agricultural Economics, 28(2):254-261, 2006
- 06-367-J What determines productivity growth of agricultural cooperatives?  
C.B. Ariyaratne, A.M. Featherstone, M.R. Langemeier  
J. of Agricultural and Applied Economics, 38:47-60, 2006
- 06-368-J Technical and scale efficiencies for Chinese rural credit cooperatives: A bootstrapping approach in data envelopment analysis  
F. Dong, A.M. Featherstone  
J. of Chinese Economic and Business Studies, 4:57-75, 2006
- 06-369-J Factors influencing Kansas agricultural farm land values  
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