

Kansas Agricultural Experiment Station Research Reports

Volume 0
Issue 3 *Director's Report (2001-Current)*

Article 8

2009

Director's report of research in Kansas 2008

Kansas State University. Agricultural Experiment Station

Follow this and additional works at: <https://newprairiepress.org/kaesrr>



Part of the [Other Animal Sciences Commons](#)

Recommended Citation

Kansas State University. Agricultural Experiment Station (2009) "Director's report of research in Kansas 2008," *Kansas Agricultural Experiment Station Research Reports*: Vol. 0: Iss. 3. <https://doi.org/10.4148/2378-5977.3323>

This report is brought to you for free and open access by New Prairie Press. It has been accepted for inclusion in Kansas Agricultural Experiment Station Research Reports by an authorized administrator of New Prairie Press. Copyright 2009 Kansas State University Agricultural Experiment Station and Cooperative Extension Service. Contents of this publication may be freely reproduced for educational purposes. All other rights reserved. Brand names appearing in this publication are for product identification purposes only. No endorsement is intended, nor is criticism implied of similar products not mentioned. K-State Research and Extension is an equal opportunity provider and employer.



Director's report of research in Kansas 2008

Abstract

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. On cover: July 1, 2003 to June 30, 2008

Keywords

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

Creative Commons License



This work is licensed under a [Creative Commons Attribution 4.0 License](https://creativecommons.org/licenses/by/4.0/).

DIRECTOR'S REPORT OF RESEARCH IN KANSAS 2008

JULY 1, 2003 TO JUNE 30, 2008



KANSAS AGRICULTURAL
EXPERIMENT STATION

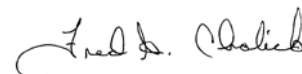


Letter of Transmittal

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

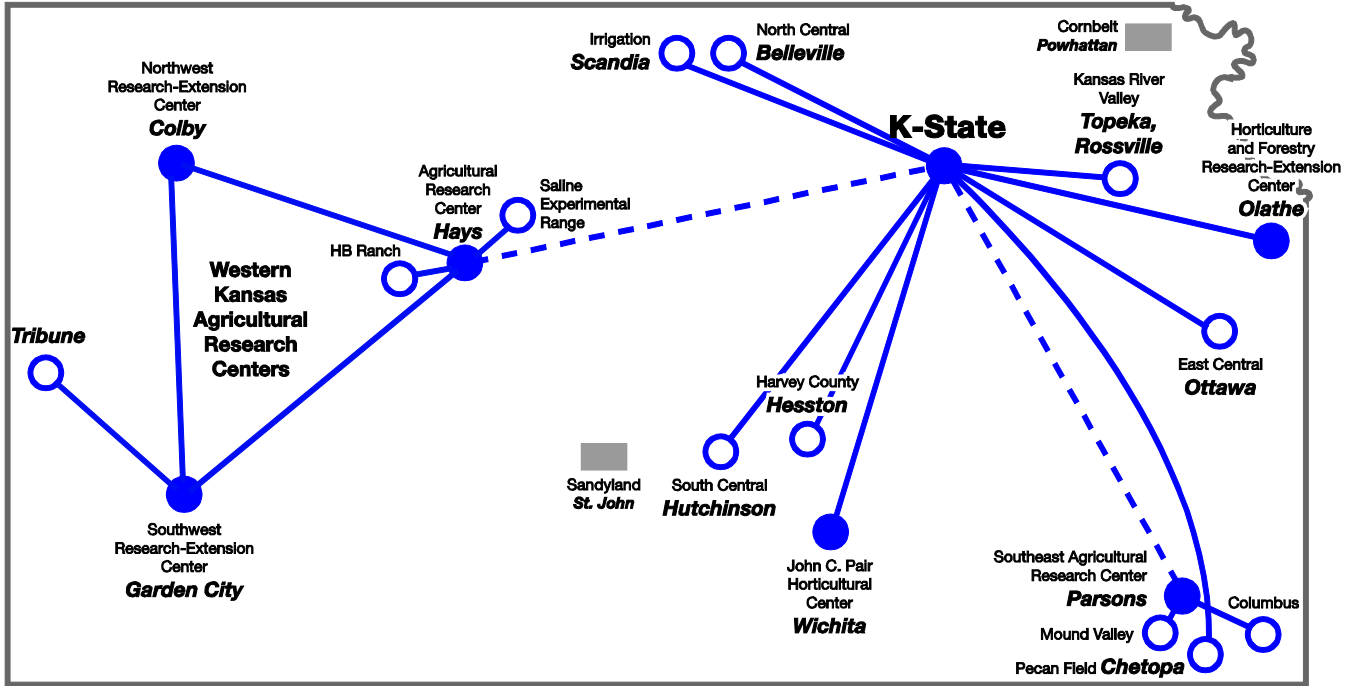
East Central - Ottawa
Harvey County - Hesston
Irrigation - Scandia
Kansas River Valley - Rossville, Silver Lake
North Central - Belleville
Pecan Field - Chetopa
South Central - Hutchinson

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, 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

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. Cogger, 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
L.J. Tsoodle, B.B. Golden, A.M. Featherstone
Land Economics, 82(1):124-139, 2006

- 06-370-J Determining the probability of default and risk-rating class for loans in the seventh farm credit district portfolio
A.M. Featherstone, L.M. Roessler, P.J. Barry
Review of Agricultural Economics, 28:4-23, 2006
- 06-371-J Estimating economies of scope and scale under price risk and risk aversion
A.O. Abdulkadri, M.R. Langemeier, A.M. Featherstone
Applied Economics, 38:191-201, 2006
- 07-169-J Economic analysis of avoiding a potential health hazard on an individual farm
R.O. Burton, Jr., R.M. Key, B.W. Schurle, D.L. Regehr
J. of the American Society of Farm Managers and Rural Appraisers, 70:103-109, 2007
- 07-179-S Beef cattle research 2007
J.S. Drouillard, C.A. Dobbins, D.E. Tenhouse, D.R. Eborn, S.K. Johnson, K.R. Harmony, J.S. Stevenson, M.G. Burns, B.S. Buttrey, J.E. Larson, B.J. Lovaas, G.C. Lamb, K.C. Olson, D.M. Grieger, S.J. Breiner, K.M. Boone, D.A. Blasi, S.A. Grau, T.C. Schroeder, B.B. Barnhardt, R.M. Breiner, A.M. Bryant, D.L. Pendell, M.P. Epp, M.F. Spire, B.J. White, R.L. Larson, D.U. Thomson, A. Garmyn, D. Moser, M.E. Dikeman, A.L. Van Eenennaam, J. Li, R.M. Thallman, R.L. Quaas, C. Gill, D.E. Franke, M.G. Thomas, P.J. Guiroy, G.F. Schroeder, E.C. Titgemeyer, E.S. Moore, J.O. Wallace, W.F. Miller, B.J. Johnson, C.D. Reinhardt, J.A. Christopher, T.T. Marston, M.L. May, M.J. Quinn, C.E. Walker, B.E. Depenbusch, E.R. Loe, M.E. Corrigan, T.A. Wickersham, R.C. Cochran, E.E. Wickersham, D.P. Gnad, T.G. Nagaraja, A.B. Thornton, J.T. Fox, G.H. Loneragan, D. Burkhardt, M.E. Jacob, S.L. Reinstein, C.R. Raines, J.A. Unruh, M.C. Hunt, J.J. Higgins, J.L. Marsden, S. Hutchison, F. Ameri, J.S. Smith, P. Gadgil, M.N. Roberts, K.J.K. Getty, E.A.E. Boyle, F. Hijaz, C.L. Kastner
KS Agric. Exp. Stn. Report of Progress 978, Mar. 2007
- 07-236-J Grazing systems for yearling cattle on tallgrass prairie
C.E. Owensby, L.M. Auen, H.F. Berns, K.C. Dhuyvetter
Rangeland Ecology and Management, 61:204-210, 2007
- 07-292-D Staff, programs, and publications in Agricultural Economics, Kansas State University, 2006
D.L. Foster
Agricultural Economics Department Staff Paper no. 07-01, 2007, 36 pp.
(available only from department)
- 07-320-J Factors affecting the agricultural loan decision-making process
A.M. Featherstone, C.A. Wilson, T.L. Kastens, J.D. Jones
Agricultural Finance Review, 67(1):13-33, 2007
- 07-321-J The Uganda rural farmers scheme: Women's accessibility to agricultural credit
B.M. Abaru, A.W. Mugeru, D.W. Norman, A.M. Featherstone
Agricultural Finance Review, 66:215-234, 2006
- 07-322-J Effects of decoupling on the mean and variability of output
T. Serra, D. Zilberman, B.K. Goodwin, A.M. Featherstone
European Review of Agricultural Economics, 33:269-288, 2006
- 08-92-D Pasture leasing arrangements in Kansas
J.B. Schlegel, L.J. Tsoodle
Agricultural Economics Department Staff Paper no. 08-01, 2007, 18 pp.
(available only from department)
- 08-149-J Consumer food safety risk perceptions and attitudes: Impacts on beef consumption across countries
T.C. Schroeder, G.T. Tonsor, J.M.E. Pennings, J. Mintert
The B.E. Journal of Economic Analysis & Policy, 7(1):Article 65, 2007
- 08-153-J Sun-maid growers of California
D. Sanchez, M.A. Boland, D. Sumner
Review of Agricultural Economics, 30(2):360-369, 2008
- 08-169-J Agency theory issues in the food processing industry
M.A. Boland, B.B. Golden, L.J. Tsoodle
J. of Agricultural and Applied Economics, 40(2):623-634, 2008

- 08-212-S Beef cattle research 2008
A.L. Mayer, J.A. Gunderson, A.S. Lobaton-Sulabo, E.A.E. Boyle, T.A. Houser, J.J. Higgins, S. Hutchison, J.A. Unruh, M.J. Daniel, M.C. Hunt, C. Raines, J.P. Grobbel, M.E. Dikeman, G.A. Milliken, A.M. Arnett, M.D. Thomas, K.C. Olson, J.S. Stevenson, J.R. Jaeger, J.W. Bolte, N.A. Sproul, D.A. Linden, K. Dhuyvetter, T. Schroeder, J.M. DeRouchey, S.Q. Jones, J.M. Ham, J.S. Drouillard, R.A. Kreikemeier, L.A. Pacheco, D.U. Thomson, B.J. White, R.L. Larson, J. Minick Bormann, D.W. Moser, T.T. Marston, T.W. Van Winkle, C.O. Anglin, D.A. Blasi, C.D. Reinhardt, M.P. Epp, R.D. Derstein, B.B. Barnhardt, S. Uwituze, B.E. Depenbusch, K.K. Karges, M.L. Gibson, M.L. May, M.J. Quinn, M.J. Hands, J.O. Wallace, L. Murray, D.R. Linden, D.E. Anderson, T.J. Baxa, J.P. Hutcheson, M.F. Miller, W.T. Nichols, M.N. Streeter, D.A. Yates, B.J. Johnson
KS Agric. Exp. Stn. Report of Progress 995, Mar. 2008
- 08-250-S Sedimentation in our reservoirs: Causes and solutions
T. Streeter, W.L. Hargrove, F. deNoyelles, M. Jakubauskas, D.G. Huggins, R.C. Everhart, A. Dzialowski, J. Kritz, D.S. Baker, D. Devlin, P. Barnes, J. Williams, C. Smith, M.A. Townsend, N.O. Nelson, D. Goard, D. Presley
KS Agric. Exp. Stn. Special Publication (UNN), June 2008
- 08-281-D Potential economic impact of water use changes in northwest Kansas
B. Golden, J. Peterson, D. O'Brien
Agricultural Economics Department Staff Paper no. 08-02, 2008, 71 pp.
(available only from department)
- 08-293-J Attitudes of Great Plains producers about best management practices, conservation programs, and water quality
C.M. Smith, J.M. Peterson, J.C. Leatherman
J. of Soil and Water Conservation, 62:97A-103A, 2007
- 08-340-J Using distance education in graduate programs
A.M. Featherstone, L.M. Brummett
J. of Agricultural and Applied Economics, 39:285-299, 2007
- 08-361-D Nonirrigated crop-share leasing arrangements in Kansas
J. Schlegel, L.J. Tsoodle
Agricultural Economics Department Staff Paper no. 08-03, 2008, 24 pp.
(available only from department)
- Publications without contribution numbers
- Economic feasibility of carbon sequestration with alternative tillage systems
D.L. Pendell, J.R. Williams, D.W. Sweeney, R.G. Nelson, C.W. Rice
J. of the American Society of Farm Managers and Rural Appraisers, 69(1):90-99, 2006
- Agronomy**
- 93-81-B Sludge disposal
M.B. Kirkham
In: Encyclopedia of soil science, W. Chesworth (Ed.). Dordrecht, the Netherlands: Springer, pp. 624-629, 2008
- 93-86-B Trace elements
M.B. Kirkham
In: Encyclopedia of soil science, W. Chesworth (Ed.). Dordrecht, the Netherlands: Springer, pp. 786-790, 2008
- 97-272-J Simulating seed number in grain sorghum from increases in plant dry weight
T.J. Gerik, W.D. Rosenthal, R.L. Vanderlip, L.J. Wade
Agronomy J., 96:1222-1230, 2004
- 97-433-B Benefits of triazine herbicides in ecofallow
D.L. Regehr, C.A. Norwood
In: Triazine herbicides, H. LaBaron, J. McFarland, O. Burnside (Eds.). Elsevier, pp. 175-184, 2008
- 98-36-J Weed detection using color machine vision
M.S. El-Faki, N. Zhang, D.E. Peterson
Transactions of the ASAE, 43(6):1969-1978, 2000
- 00-108-J Inheritance of resistance to *Sporisorium sorghi* in grain sorghum
H. Nzioki, L.E. Claflin, P. Bramel-Cox, B. Ramundo
Plant Disease, 42:47-50, 2001

- 00-114-J Design of an optical weed sensor using plant spectral characteristics
N. Wang, N. Zhang, F.E Dowell, Y. Sun, D.E. Peterson
Transactions of the ASAE, 44(2):409-419, 2005
- 00-122-B Evaluating seepage losses and liner performance at animal-waste lagoons using water balance methods
J.M. Ham
In: Animal waste containment in lagoons, ASCE manuals and reports on engineering practice, No. 105, L.N. Reddi (Ed.). Reston, VA: American Society of Civil Engineers, pp. 75-102, 2005
- 00-203-B Heavy metal contamination of soil with domestic sewage sludge
M.B. Kirkham
In: Waste management, A.L. Juhasz, G. Magesan, R. Naidu (Eds.). Enfield, NH and Plymouth, UK: Science Publishers, Inc., pp. 59-80, 2004
- 01-65-J Genetic analysis of feed quality and seed weight of sorghum inbred lines and hybrids using analytical methods and NIRS
C. Hicks, M.R. Tuinstra, J. Pedersen, F.E. Dowell, K. Kofoid
Euphytica, 127:31-40, 2002
- 01-93-J Analysis of cold tolerance in grain sorghum under controlled environment conditions
J. Yu, M.R. Tuinstra, M.M. Claassen, W.B. Gordon, M.D. Witt
Field Crops Research, 85:21-30, 2004
- 01-232-J Senescence and yield characteristics associated with tolerance of wheat-alien amphiploids to high temperature during maturation
J. Yang, R.G. Sears, B.S. Gill, G.M. Paulsen
Euphytica, 126:185-193, 2002
- 01-290-J A genetic neural network model of flowering time control in *Arabidopsis thalaitiana*
S.M. Welch, J.L. Roe, Z. Dong
Agronomy J., 95:71-81, 2003
- 01-362-J Carbon and nitrogen pools in a tallgrass prairie soil under elevated carbon dioxide
M.A. Williams, C.W. Rice, A. Omay, C.E. Owensby
Soil Science Society of America J., 68:148-153, 2004
- 02-33-B Sorghum transformation for resistance to fungal pathogens and drought
S. Muthukrishnan, J.T. Weeks, M.R. Tuinstra, J.M. Jeoung, J. Jayaraj, G.H. Liang
In: Genetic transformation in crops, G. Liang, D. Skinner (Eds.). New York: Haworth Press, pp. 203-223, 2004
- 02-114-J Processes of soil erosion by wind
L.J. Hagen
Annals of Arid Zone, 40(3):235-254, 2002
- 02-148-J Transfer of a plant chitinase gene into a root colonizing nitrogen fixing *Azospirillum* and study of its expression
J. Jayaraj, S. Muthukrishnan, G.H. Liang
Canadian J. of Microbiology, 50:509-513, 2004
- 02-163-J Efficacy, adsorption, and translocation of glyphosate, glufosinate, and imazethapyr on selected weed species
N.E. Hoss, K. Al-Khatib, D.E. Peterson, T.M. Loughin
Weed Science, 51:110-117, 2003
- 02-177-B EDTA-assisted phytostabilization by barley roots contaminated with heavy metals
F. Madrid, M.S. Liphadzi, M.B. Kirkham
In: Chemical bioavailability in the terrestrial environment, Developments in Soil Science, Vol. 32, R. Naidu (Ed.). Amsterdam: Elsevier, pp. 697-718, 2008
- 02-254-J Comparison of wind erosion measurements in Germany with simulated soil losses by WEPS
R. Funk, E.L. Skidmore, L.J. Hagen
Environmental Modelling & Software, 2:177-183, 2004
- 02-262-J Cold tolerance in oilseed rape over varying acclimation durations
C.L. Rife, H. Zeinali
Crop Science, 43(1):96-100, 2003
- 02-267-B Water-use efficiency
M.B. Kirkham
In: Encyclopedia of soils in the environment, D. Hillel (Ed.). San Diego, CA: Academic Press, pp. 315-322, 2005
- 02-280-J Utilizing *Brassica* cover crops for weed suppression in annual cropping systems
R.A. Boydston, K. Al-Khatib
In: Handbook of sustainable weed management, pp. 77-94, 2005

- 02-291-B Transformation, a powerful tool for crop improvement
D.Z. Skinner, S. Muthukrishnan, G.H. Liang
In: Genetically modified crops: Their development, uses, and risks, G. Liang, D. Skinner (Eds.). New York: Haworth Press, pp. 1-16, 2004
- 02-324-J Application timing affects BAY MKH 6561 and MON 37500 efficacy and crop response in winter wheat
P.W. Geier, P.W. Stahlman, D.E. Peterson, S.D. Miller
Weed Technology, 16:800-806, 2002
- 02-326-J Safening grain sorghum injury from metsulfuron with growth regulator herbicides
D.W. Brown, K. Al-Khatib, D.L. Regehr, P.W. Stahlman, T.M. Loughin
Weed Science, 52:319-325, 2004
- 02-384-J Field experiments for evaluating wind erosion models
S.J. van Donk, E.L. Skidmore
Annals of Arid Zone, 40(3):271-288, 2001
- 02-465-J Agronomic and quality attributes of winter durum wheat for the Great Plains
V. Marque, A.K. Fritz, T.J. Martin, G.M. Paulsen
Crop Science, 44:878-883, 2004
- 02-467-J Corn hybrid response to starter fertilizer combinations
W.B. Gordon, G.M. Pierzynski
J. of Plant Nutrition, 29:1287-1299, 2006
- 02-491-J Fluxes of CO₂ from grazed and ungrazed tallgrass prairie
C.E. Owensby, J.M. Ham, L.M. Auen
Rangeland Ecology and Management, 59:111-127, 2006
- 03-32-J Simulation of individual leaf areas in grain sorghum
W.D. Rosenthal, R.L. Vanderlip
Agronomie, 24(8):493-501, 2004
- 03-54-J Simultaneous measurement of soil water content and salinity using a frequency-response method
N. Zhang, G. Fan, K.H. Lee, G. Kluitenberg, T. Loughin
Soil Science Society of America J., 68(5):1515-1525, 2004
- 03-57-J Temperature effects on germination and growth of redroot pigweed (*Amaranthus retroflexus*), Palmer amaranth (*A. palmeri*), and common waterhemp (*A. rudis*)
P. Guo, K. Al-Khatib
Weed Science, 51:869-875, 2003
- 03-73-J Relationships among forage yield and quality factors of hay-type sorghums
J.L. Moyer, J.O. Fritz, J.J. Higgins
Crop Management, 2003
Published online,
doi:10.1094/cm-2003-1209-01-RS
- 03-77-J Constraints to adoption of hard white wheat in western Kansas
W.M. Eberle, J.P. Shroyer, T.J. Herrman
J. of Natural Resources and Life Sciences Education, 33:1-6, 2004
- 03-81-J Merging genomic control networks and soil-plant-atmosphere-continuum models
S.M. Welch, J.L. Roe, S. Das, Z. Dong, R. He, M.B. Kirkham
Agricultural Systems, 86:243-274, 2005
- 03-145-J Evaluation of the wind erosion prediction system (WEPS) erosion submodel on cropland fields
L.J. Hagen
Environmental Modelling & Software, 2:171-176, 2004
- 03-146-B History of soil science: Justus von Liebig (1803-1873)
R.R. van der Ploeg, W. Bohm, M.B. Kirkham
In: Encyclopedia of soils in the environment, D. Hillel (Ed.). San Diego, CA: Academic Press, pp. 343-349, 2005
- 03-163-J Classification of fungal-damaged soybean seeds using near-infrared spectroscopy
D. Wang, F.E. Dowell, M.S. Ram, W.T. Schapaugh
International J. of Food Properties, 6:1-8, 2003
- 03-189-J Reaction of the 2002 Kansas Intrastate Nursery to Fusarium head blight, 2002
W.W. Bockus, A.K. Fritz, T.J. Martin
Biological and Cultural Tests (APS), Report 18:S004, 2003
Published online,
APSNET.org/online/BCTests/

- 03-206-J EDTA-assisted heavy-metal uptake by poplar and sunflower grown at a long-term sewage-sludge farm
M.S. Liphadzi, M.B. Kirkham, K.R. Mankin, G.M. Paulsen
Plant and Soil, 257(1):171-182, 2003
- 03-224-J Soil lead bioavailability and in situ remediation of lead-contaminated soils: A review
G.M. Hettiarachchi, G.M. Pierzynski
Environmental Progress, 23:78-93, 2004
- 03-225-J Revegetation of waste fly ash landfills in a semiarid environment
G.M. Pierzynski, J.L. Heitman, P. Kulakow, G.J. Kluitenberg, J.R. Carlson
J. of Range Management, 57(3):312-319, 2004
- 03-235-J Simplified computational approach for dual-probe heat-pulse method
J.H. Knight, G.J. Kluitenberg
Soil Science Society of America J., 68(2):447-449, 2004
- 03-246-J Gene flow from imidazolinone-resistant domesticated sunflower to wild relatives
R.A. Massinga, K. Al-Khatib, P. St. Amand, J.F. Miller
Weed Science, 51:854-862, 2003
- 03-255-J Soil pH and cation exchange capacity affects sunflower tolerance to sulfentrazone
G.W. Kerr, P.W. Stahlman, J.A. Dille
Weed Technology, 18(2):243-247, 2004
- 03-262-J Biologically defined soil organic matter pools as affected by rotation and tillage
G.L. Doyle, C.W. Rice, D.E. Peterson, J.M. Steichen
Environmental Management, 33(1):S528-S538, 2004
- 03-287-J Control of protoporphyrinogen oxidase inhibitor-resistant common waterhemp (*Amaranthus rudis*) in corn and soybean
D.E. Shoup, K. Al-Khatib
Weed Technology, 18:332-340, 2004
- 03-306-J Introduction and constitutive expression of a tobacco hornworm (*Manduca sexta*) chitinase gene in soybean
W. Ornatowski, J. Jayaraj, W.T. Schapaugh, S. Muthukrishnan, T.C. Todd, H.N. Trick
In Vitro Cellular Development and Biology-Plant, 40(3):260-265, 2004
- 03-311-J Grazing management effects on plant species diversity in tallgrass prairie
K. Hickman, D. Hartnett, R. Cochran, C. Owensby
J. of Range Management, 57:58-65, 2004
- 03-330-J Field evaluation of the dual-probe heat-pulse method for measuring soil water content
J.L. Heitman, J.M. Basinger, G.J. Kluitenberg, J.M. Ham, J.M. Frank, P.L. Barnes
Vadose Zone J., 2(4):552-560, 2003
- 03-345-J Effects of sericea lespedeza residues on selected tallgrass prairie grasses
D.M. Dudley, W.H. Fick
Transactions of the Kansas Academy of Science, 106:166-170, 2003
- 03-348-J Leaf rust resistance gene *Lr41* and a gene from *Aegilops cylindrica* are located on wheat chromosome 2DS
S. Singh, C. Franks, L. Huang, G. Brown-Guedira, D. Marshall, B. Gill, A. Fritz
Theoretical and Applied Genetics, 108:586-591, 2004
- 03-351-J Potential of plant-based remediation of pesticide contaminated soil and water using non-target plants such as trees, shrubs, and grasses
R. Karthikeyan, L.C. Davis, L.E. Erickson, K. Al-Khatib, P.A. Kulakow, P.L. Barnes, S.L. Hutchinson, A.A. Nurzhanova
Critical Reviews in Plant Sciences, 23(1):91-101, 2004
- 03-359-A Nitrogen mineralization rate of soil beneath a closed animal waste lagoon
F. Madrid, M.B. Kirkham
Proceedings of the 16th Annual International Soil Tillage Research Organization Conference
Brisbane, Australia, 2003, pp. 685-689
- 03-363-J An alternative method for remediating lead-contaminated soils in residential areas: A decision case study
G.M. Pierzynski, K. Gehl
J. of Natural Resources and Life Sciences Education, 33:63-69, 2004

- 03-368-J Ion-sink phosphorus extraction methods applied on 24 soils from the continental USA
R.G. Myers, A.N. Sharpley, S.J. Thien, G.M. Pierzynski
Soil Science Society of America J., 56:511-521, 2005
- 03-378-A Evaluation of collector size for the measurement of irrigation depths
E. Dogan, G.A. Clark, D.H. Rogers, V.L. Martin
Proceedings of the ASAE Annual International Meeting, 2003, 16 pp., Paper no. 032007
- 03-404-J Ability to predict daily solar radiation values from interpolated climate records for use in crop simulation models
R.H. Grant, S.E. Hollinger, K.G. Hubbard, G. Hoogenboom, R.L. Vanderlip
Agricultural and Forest Meteorology, 127:65-75, 2004
- 03-418-J Estimation of combining ability for resistance to Fusarium stalk rot in grain sorghum [*Sorghum bicolor* (L.) Moench]
T. Tesso, M. Tuinstra, L. Claflin
Crop Science, 44:1195-1199, 2004
- 03-423-S Agronomy field research 2003
L.D. Maddux, S. Staggenborg, K.A. Janssen, D.A. Whitney, G.M. Pierzynski, J.L. Moyer, C.M. Taliaferro, W.B. Gordon, M.M. Claassen, G.E. Wilde, K.L. Roozeboom, D.L. Fjell, D.L. Regehr, R.E. Lamond, R. Aiken, L.D. Charlet, R.D. Stockton, M. Tuinstra, K. Kofoid, V.L. Martin, R. Hale, D. Blasi, W.F. Heer, R.R. Janke, S.R. Duncan, D. O'Brien, D. Belshe, D.E. Peterson, T.M. Maxwell
KS Agric. Exp. Stn. Report of Progress 913, Jan. 2004
- 03-431-J Seed treatment for control of early season pests of corn and its effect on yield
G. Wilde, K. Roozeboom, M. Claassen, K. Janssen, M. Witt
J. of Agricultural and Urban Entomology, 21:75-85, 2004
- 04-001-J Seed treatments for control of insect pests of sorghum and their effect on yield
G. Wilde, K. Roozeboom, M. Claassen, K. Janssen, M. Witt, P. Evans, T. Harvey, J. Long
Southwestern Entomologist, 29:209-223, 2004
- 04-008-S 2003 Kansas performance tests with winter wheat varieties
K. Roozeboom, W.W. Bockus, A. Fritz, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, V. Martin, E. Parker, B. Seabourn, R. Lamond, R. Bennett
KS Agric. Exp. Stn. Report of Progress 912, July 2003
- 04-035-J Effect of planter speed and seed firmers on corn stand establishment
S. Staggenborg, R. Taylor, L. Maddux
Applied Engineering in Agriculture, 20(5):573-580, 2004
- 04-045-J Genetic analysis and molecular mapping of a wheat gene conferring tolerance to the greenbug (*Schizaphis graminum* Rondani)
L. Zhu, C.M. Smith, A. Fritz, E. Boyko, M.B. Flinn
Theoretical and Applied Genetics, 109:289-293, 2004
- 04-051-J Analysis of stalk rot resistance and genetic diversity among drought tolerant sorghum [*Sorghum bicolor* (L.) Moench] genotypes
T. Tesso, M. Tuinstra, L. Claflin
Crop Science, 45:645-652, 2005
- 04-096-A Evaluation of collector size for the measurement of irrigation depths
J.A. Clark, E. Dogan, D.H. Rogers, V.L. Martin
Proceedings of the Irrigation Association Technical Conference
San Diego, CA, 2003, 10 pp.
- 04-106-B Transpiration and root water uptake
P. de Willigen, M. Heinen, M.B. Kirkham
In: Encyclopedia of hydrological sciences, M.G. Anderson (Ed.). Chicester, England: John Wiley & Sons, pp. 1055-1068, 2005
- 04-107-J Extended methodology for determining wetting properties of porous media
J. Bachman, S.K. Woche, M.O. Gobel, M.B. Kirkham, R. Horton
Water Resources Research, 39:12, 2003
Published online,
doi:10.1029/2003WR002143
- 04-136-J Improved theory for calculating sap flow with the heat pulse method
G.J. Kluitenberg, J.M. Ham
Agricultural and Forest Meteorology, 126:169-173, 2004

- 04-139-J Common sunflower (*Helianthus annuus*) and shattercane (*Sorghum bicolor*) interference in corn
S.R. Deines, J.A. Dille, E.L. Blinka, D.L. Regehr, S.A. Staggenborg
Weed Science, 52:976-983, 2004
- 04-141-J Investigation and optimization of the factors influencing sorghum protein extraction
S-H. Park, S.R. Bean
J. of Agricultural and Food Chemistry, 51(24):7050-7054, 2003
- 04-150-S 2004 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.E. Peterson, D.L. Regehr, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 917, Jan. 2004
- 04-158-J Relative fitness of imazamox-resistant common sunflower and prairie sunflower
R.A. Massinga, K. Al-Khatib, P. St. Amand, J.F. Miller
Weed Science, 53:166-174, 2005
- 04-165-S 2003 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 914, Nov. 2003
- 04-167-S 2003 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 915, Nov. 2003
- 04-180-A Effectiveness of mestriane for weed control in grain sorghum
C.R. Thompson, M.M. Claassen, L.D. Maddux, D.L. Regehr, A.J. Schlegel, J. Frihauf, P.W. Stahlman
Proceedings of the North Central Weed Science Society
Columbus, OH, 2004, 59:69
- 04-181-B Testing the manipulation of soil availability of metals
F. Madrid, M.B. Kirkham
In: Phytoremediation, N. Willey (Ed.). Totowa, NJ: Humana Press, pp. 121-129, 2007
- 04-192-S 2003 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., K. Roozeboom, M. Claassen, W.B. Gordon, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T. McClelland, M. Witt
KS Agric. Exp. Stn. Report of Progress 916, Dec. 2003
- 04-194-A Modelling gene networks controlling transition to flowering in *Arabidopsis*
S.M. Welch, Z. Dong, J.L. Roe
Proceedings of the 4th International Crop Science Congress
Brisbane, Australia, 2004
- 04-204-J Some analytical solutions for sensitivity of well tests to variations in storativity and transmissivity
J.H. Knight, G.J. Kluitenberg
Advances in Water Resources, 28:1057-1075, 2005
- 04-207-S Kansas fertilizer research 2003
R. Lamond, M. Claassen, L.J. Ferdinand, H.C. George, C.B. Godsey, W.B. Gordon, J.L. Heitman, J.C. Herman, K. Janssen, K. Kelley, D. Key, G. Kluitenberg, D. Leikam, J. Massey, G.M. Pierzynski, A. Schlegel, L.R. Stone, D. Sweeney, C.A. Thompson, C.R. Thompson, D.A. Whitney
KS Agric. Exp. Stn. Report of Progress 921, Jan. 2004
- 04-209-J Efficient genetic transformation of sorghum using a visual screening marker
Z. Gao, J. Jayaraj, S. Muthukrishnan, L. Claflin, G.H. Liang
Genome, 48:321-333, 2005
- 04-215-S 2003 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Witt, W.B. Gordon, W. Heer
KS Agric. Exp. Stn. Report of Progress 918, Dec. 2003

- 04-224-J Effects of thirty years of irrigation on the genesis and morphology of two semi-arid soils in Kansas
D. Ricks Presley, M.D. Ransom, G.J. Kluitenberg, P.R. Finnell
Soil Science Society of America J., 68(6):1916-1926, 2004
- 04-227-J Effects of seed treatment fungicides on stand and yield of corn, 2003
D.J. Jardine, B. Gordon, K. Janssen, J.H. Long
Fungicide and Nematacide Tests (APS), Report 59:ST007, 2004
Published online, doi:10.1094/FN59
- 04-228-J Reaction of the 2003 Kansas Intrastate Nursery to Fusarium head blight, 2003
W.W. Bockus, A.K. Fritz, T.J. Martin
Biological and Cultural Tests (APS), Report 19:FC009, 2004
Published online, doi:10.1094/BC19
- 04-229-S 2003 Kansas performance tests with sunflower hybrids
P. Evans, M. Claassen, J.R. Cochrane, W. Heer, M. Knapp, K. Roozeboom, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 922, Jan. 2004
- 04-245-S 2003 National winter canola variety trial
C. Rife, R. Aiken, R. Auld, R. Bacon, D. Baltensperger, U. Bishnoi, H. Bhardwaj, D. Bordovsky, E. Cebert, E. Christmas, S. Conley, P. Evans, R. Freed, W. Heer, K. Janssen, J. Johnson, J. Johnson, J. Kelly, J. Klein, R. Kochenower, J. Krall, K. Kusel, K. Larson, J. Long, L. Murdock, L. Nelson, P. Raymer, T. Reinbolt, P. Rose, M. Schmidt, G. Schwab, R. Smoot, D. Starner, M. Witt
KS Agric. Exp. Stn. Report of Progress 924, Feb. 2004
- 04-251-J Flow-through and batch methods for determining calcium-magnesium and magnesium-calcium selectivity
T.M. DeSutter, G.M. Pierzynski
Soil Science Society of America J., 71:550-554, 2005
- 04-268-J Effects of seed treatment fungicides on stand and yield of grain sorghum, 2003
D.J. Jardine, M. Claassen, B. Gordon, J.H. Long
Fungicide and Nematacide Tests (APS), Report 59:ST014, 2004
Published online, doi:10.1094/FN59
- 04-269-J Effects of seed treatment fungicides on stand and yield of soybean, 2003
D.J. Jardine, B. Gordon, K. Janssen, J.H. Long
Fungicide and Nematacide Tests (APS), Report 59:ST006, 2004
Published online, doi:10.1094/FN59
- 04-272-S 2003 Kansas performance tests with summer annual forages
K. Roozeboom, W. Heer, P. Evans, K. Kofoid
KS Agric. Exp. Stn. Report of Progress 925, Mar. 2004
- 04-273-J Measurement and partitioning of in situ carbon dioxide fluxes in turfgrasses using a pressurized chamber
D.J. Bremer, J.M. Ham
Agronomy J., 97:627-632, 2005
- 04-296-J Prairie cupgrass (*Eriochloa contracta*) and windmillgrass (*Chloris verticillata*) response to glyphosate and acetyl-CoA carboxylase-inhibiting herbicides
D.S. Hennigh, K. Al-Khatib, P.W. Stahlman, D.E. Shoup
Weed Science, 53:315-322, 2005
- 04-300-J In planta performance of a dual genetic marker, *manA-gfp*, in transgenic bentgrass
D. Fu, Y. Xiao, S. Muthukrishnan, G.H. Liang
Genome, 48(4):722-730, 2005
- 04-307-J Trends in forage yield and quality of hay-type sorghums
J.L. Moyer, J.O. Fritz, J.J. Higgins
Agronomy J., 96(5):1453-1458, 2004
- 04-308-J Plant nutrient issues for sustainable land application
G.M. Pierzynski, K.A. Gehl
J. of Environmental Quality, 34:18-28, 2005
- 04-311-J Physical and genetic maps of greenbug resistance genes originated from *Aegilops tauschii*
L.C. Zhu, C.M. Smith, A. Fritz, B.S. Gill
Theoretical and Applied Genetics, 111:831-837, 2005
- 04-315-J Species-specific gene evolution at the ends of chromosomes
D.R. See, S. Brooks, J.C. Nelson, G. Brown-Guedira, B. Friebe, B.S. Gill
Science, 103:4162-4167, 2006

- 04-320-S 2004 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, F.K. Brazle, G.L. Kilgore, K. Janssen, K.W. Kelley, C.M. Taliaferro, D.W. Sweeney, M.B. Kirkham, R. Lamond, G.M. Pierzynski, M. Buckley, J.H. Long, D.J. Jardine, S. Staggenborg, S. Duncan, M. Knapp
KS Agric. Exp. Stn. Report of Progress 926, Apr. 2004
- 04-330-S Field day 2004, Southwest Research-Extension Center
R. Currie, J. Elliott, D. Bond, D. Nolan, M. Witt, A. Schlegel, L. Stone, T. Dumler, C. Thompson, R. Stockton, D. Leikam, B. Olson, R. Aiken, N. Klocke, P. Sloderbeck, L. Buschman, R. Higgins
KS Agric. Exp. Stn. Report of Progress 927, May 2004
- 04-331-S Agronomy field research 2004
K.A. Janssen, M.M. Claassen, W.B. Gordon, L.D. Maddux, W.F. Heer, G. Cross, L.J. Ferdinand, D. Fjell, R. Gehl, R.R. Janke, K.W. Kelley, R. Lamond, J.L. Moyer, G.M. Pierzynski, D.L. Regehr, K. Roozeboom, J.P. Schmidt, S. Staggenborg, L.R. Stone, R. Taylor, C.M. Taliaferro, C. Rost
KS Agric. Exp. Stn. Report of Progress 928, Feb. 2005
- 04-339-J Evaluating the influence of storage time, sample-handling method, and filter paper on the measurement of water-extractable phosphorus in animal manures
K. Baum, G. Pierzynski, P. Kleinman, J. Kovar, R. Maguire, P. Moore, T. Zhang
Communications in Soil Science and Plant Analysis, 37:451-463, 2006
- 04-340-J Contact angle of soils as affected by depth, texture, and land management
S.K. Woche, M.-O. Goebel, M.B. Kirkham, R. Horton, R.R. van der Ploeg, J. Bachmann
European J. of Soil Science, 56:239-251, 2005
- 04-351-J Overexpression of barley *hva1* gene in creeping bentgrass for improving drought tolerance
D. Fu, B. Huang, Y. Xiao, S. Muthukrishnan, G.H. Liang
Plant Cell Reports, 26:467-477, 2007
- 04-361-A Crop water allocation program
N.L. Klocke, G.A. Clark, S. Briggeman, T.J. Dumler, L.R. Stone
Proceedings of the 21st Annual Water and the Future of Kansas Conference
Lawrence, KS, 2004, 1 pp.
- 04-369-J Phosphorus and manganese oxides effects on soil lead bioaccessibility: PBET and TCLP
O. Sonmez, G.M. Pierzynski
Water, Air, and Soil Pollution, 166:3-16, 2005
- 04-378-J Assessment of zinc phytoavailability by diffusive gradients in thin films
O. Sonmez, G.M. Pierzynski
Environmental Toxicology and Chemistry, 24:934-941, 2005
- 04-385-J Evaluation of soils for use as liner materials: A soil chemistry approach
T.M. DeSutter, G.M. Pierzynski
J. of Environmental Quality, 34:951-962, 2005
- 04-386-J Movement of lagoon liquor constituents below four animal-waste lagoons
T.M. DeSutter, G.M. Pierzynski, J.M. Ham
J. of Environmental Quality, 34:1234-1242, 2005
- 04-393-J Genetically modified turfgrass: A critical review
D. Fu, Y. Xiao, N. Tisserat, G.H. Liang
Recent Research Developments in Genetics and Breeding, 1:317-347, 2004
- 04-394-J Overexpression of rice TLPD34 enhances dollar-spot resistance in transgenic bentgrass
D. Fu, N.A. Tisserat, Y. Xiao, D. Settle, S. Muthukrishnan, G.H. Liang
Plant Science, 168:671-680, 2005
- 04-395-J Molecular mapping of sorghum genes expressing tolerance to damage by the greenbug (Homoptera: Aphidae)
N. Nagaraj, J.C. Reese, M.R. Tuinstra, C.M. Smith, P. St. Amand, M.B. Kirkham, K.D. Kofoid, L.R. Campbell, G.E. Wilde
J. of Economic Entomology, 98(2):595-602, 2005

- 04-405-J Genetic characterization and molecular mapping of a Hessian fly resistance gene transferred from *T. turgidum* ssp. *dicoccum* to common wheat
X.M. Liu, G.L. Brown-Guedira, J.O. Owuoche, J.H. Hatchett, M.-S. Chen
Theoretical and Applied Genetics, 111:1308-1315, 2005
- 04-433-J Soil microbial and nematode communities as affected by glyphosate and tillage practices in a glyphosate-resistant cropping system
K.B. Liphadzi, K. Al-Khatib, C. Bensch, P.W. Stahlman, J.A. Dille, T. Todd, C.W. Rice, M.J. Horakh, G. Head
Weed Science, 53:536-545, 2005
- 04-449-J Elevated atmospheric carbon dioxide increases soil carbon
J.D. Jastrow, R.M. Miller, R. Matamala, R.J. Norby, T.W. Boutton, C.W. Rice, C.E. Owensby
Global Change Biology, 11:2057-2064, 2005
- 05-1-J Survey of common waterhemp (*Amaranthus rudis*) response to protox- and ALS-inhibiting herbicides in northeast Kansas
J.S. Falk, D.E. Shoup, K. Al-Khatib, D.E. Peterson
Weed Technology, 19:838-847, 2005
- 05-25-A Design philosophy behind MCREW - management/crop rotation editor for WEPS
L.E. Wagner
Proceedings of the ASAE/CSAE Annual International Meeting
Ottawa, Ontario, Canada, 2004, 10 pp., Paper no. 023067
- 05-27-S 2004 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, E. Parker, B. Seabourn, R. Lamond, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 930, July 2004
- 05-36-J Rapid assay evaluation of plant response to protoporphyrinogen oxidase (Prottox)-inhibiting herbicides
J.S. Falk, K. Al-Khatib, D. Peterson
Weed Technology, 20:104-112, 2005
- 05-55-J Phytoremediation of soil contaminated with heavy metals: A technology for rehabilitation of the environment
M.S. Liphadzi, M.B. Kirkham
South African J. of Botany, 71(1):24-37, 2005
- 05-56-J Influence of soil structure on the shrinkage behaviour of a soil irrigated with saline-sodic water
X. Peng, R. Horn, D. Deery, M.B. Kirkham, J. Blackwell
Australian J. of Soil Research, 43:555-563, 2005
- 05-65-J Annual weed competitiveness as affected by preemergence herbicide in corn
K.B. Liphadzi, J.A. Dille
Weed Science, 54(1):156-165, 2006
- 05-72-J Calibration and validation of ADAPT and SWAT for field-scale runoff prediction
S. Anand, K.R. Mankin, K.A. McVay, K.A. Janssen, P.L. Barnes, G.M. Pierzynski
J. of the American Water Resources Association, 43(4):899-910, 2007
- 05-74-J Fate of acifluorfen and lactofen in common waterhemp (*Amaranthus rudis*) resistant to protoporphyrinogen oxidase-inhibiting herbicides
D.E. Shoup, K. Al-Khatib
Weed Science, 53:284-289, 2005
- 05-89-J Wheat response to simulated drift of glyphosate and imazamox applied at two growth stages
Z.A. Deeds, K. Al-Khatib, D.E. Peterson, P.W. Stahlman
Weed Technology, 20(1):23-31, 2006
- 05-103-J Variations in poultry feed quality of sorghum and corn hybrids with contrasting seed weight characteristics
T.D. Kriegshauser, M.R. Tuinstra, J.D. Hancock
Crop Science, 46:695-701, 2006
- 05-121-J The window of risk for emigration of wheat streak mosaic virus varies with host eradication method
W. Jiang, K.A. Garrett, D.E. Peterson, T.L. Harvey, R.L. Bowden, L. Fang
Plant Disease, 88:853-858, 2005

- 05-132-A Crop water allocator for limited irrigation
N.L. Klocke, G.A. Clark, S. Briggeman, L. Stone, T.J. Dumler
Proceedings of the High Plains Groundwater Conference
Lubbock, TX, 2004, pp. 196-206
- 05-142-S Kansas fertilizer research 2004
M. Alam, B. Brauer, H.D. Bond, M. Buckley, S. Campbell, M.M. Claassen, L.J. Ferdinand, R. Gehl, C.B. Godsey, W.B. Gordon, S. Harrold, J.C. Herman, K.W. Kelley, G.L. Kilgore, C.R. Ladd, R.E. Lamond, D.F. Leikam, D. Locke, L.D. Maddux, J.R. Massey, T.M. Maxwell, B. Olson, G.M. Pierzynski, A.J. Schlegel, J.P. Schmidt, D. Seymore, J. Siemens, G. Sohm, D.E. Stites, L.R. Stone, D.W. Sweeney
KS Agric. Exp. Stn. Report of Progress 939, Feb. 2005
- 05-143-S 2005 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 942, Jan. 2005
- 05-145-S 2004 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 932, Nov. 2004
- 05-146-J *H9*, *H10*, and *H11* compose a cluster of Hessian fly-resistance genes in the distal gene-rich region of wheat chromosome 1AS
X.M. Liu, A.K. Fritz, J.C. Reese, G.E. Wilde, B.S. Gill, M.-S. Chen
Theoretical and Applied Genetics, 110:1473-1480, 2005
- 05-157-B Physiological effects of heavy metals on plant growth and function
M.S. Liphadzi, M.B. Kirkham
In: Plant-environment interaction, B. Huang (Ed.). New York: Marcel Dekker, pp. 243-269, 2006
- 05-166-S 2004 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 933, Dec. 2004
- 05-167-S 2004 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., K. Roozeboom, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, J. Long, M. Witt
KS Agric. Exp. Stn. Report of Progress 934, Dec. 2004
- 05-168-S 2004 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Witt, W. Heer, L. Maddux, W.B. Gordon
KS Agric. Exp. Stn. Report of Progress 935, Dec. 2004
- 05-170-J On-farm scheduling studies and CERES-maize simulation of irrigated corn
E. Dogan, G.A. Clark, D.H. Rogers, V.L. Martin, R.L. Vanderlip
Applied Engineering in Agriculture, 22(4):509-516, 2006
- 05-174-J Inheritance and molecular mapping of new greenbug resistance genes in wheat germplasms derived from *Aegilops tauschii*
L.C. Zhu, C.M. Smith, A. Fritz, E.V. Boyko, B.S. Gill
Theoretical and Applied Genetics, 111:831-837, 2005
- 05-191-J Modeling gene networks controlling transition to flowering in *Arabidopsis*
S.M. Welch, Z. Dong, J.L. Roe, S. Das
Australian J. of Agricultural Research, 56(9):919-936, 2005
- 05-194-S 2004 Kansas performance tests with sunflower hybrids
P. Evans, M. Claassen, J.R. Cochrane, W. Heer, M. Knapp, K. Kofoid, K. Roozeboom, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 936, Jan. 2005

- 05-205-J In situ measurements of nitrate leaching implicate poor nitrogen and irrigation management on sandy soils
R.J. Gehl, J.P. Schmidt, L.R. Stone, A.J. Schlegel, G.A. Clark
J. of Environmental Quality, 34(6):2243-2254, 2005
- 05-207-A Summer crop production as related to irrigation capacity
F.R. Lamm, L.R. Stone
Proceedings of the Central Plains Irrigation Conference and Exposition
Sterling, CO, 2005, pp. 57-67
- 05-209-S 2004 Kansas performance tests with spring small grains
K. Roozeboom, J.R. Cochrane, J. Shroyer, E.O. Quigley, M. Claassen, J. Kimball, V. Martin, J. Long, A. Schlegel, P. Evans, M. Witt, W. Heer, W.B. Gordon
KS Agric. Exp. Stn. Report of Progress 931, Feb. 2005
- 05-219-J Dust deposition near an eroding source field
L.J. Hagen, S. Van Pelt, T.M. Zobeck, A. Retta
Earth Surface Processes and Landforms, 32(2):281-289, 2007
- 05-224-S 2004 Kansas performance tests with summer annual forages
K. Roozeboom, W. Heer, P. Evans, K. Kofoid, K. Harmony
KS Agric. Exp. Stn. Report of Progress 938, Mar. 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
- 05-243-J Weed control in grape after fall and spring application of selected herbicides
S. Kadir, K. Al-Khatib
Weed Technology, 20:74-80, 2005
- 05-246-J Water supply: Yield relationships developed for study of water management
L.R. Stone, A.J. Schlegel, A.H. Khan, N.L. Klocke, R.M. Aiken
J. of Natural Resources and Life Sciences Education, 35:161-173, 2006
- 05-251-S 2004 National winter canola variety trial
C. Rife, C. La Barge, R. Aiken, R. Auld, R. Bacon, D. Baltensperger, U. Bishnoi, H. Bhardwaj, D. Bordovsky, E. Cebert, E. Christmas, S. Conley, P. Evans, R. Freed, W. Heer, K. Janssen, J. Johnson, J. Johnson, J. Kelly, J. Klein, R. Kochenower, J. Krall, K. Kusel, E. Lentz, K. Larson, J. Long, L. Murdock, L. Nelson, P. Raymer, T. Reinbolt, P. Rose, M. Schmidt, G. Schwab, R. Smoot, D. Starner, M. Witt
KS Agric. Exp. Stn. Report of Progress 937, Apr. 2005
- 05-252-J Remediation of sites contaminated by oil refinery operations
S. Khaitan, S. Kalainesan, L.E. Erickson, P. Kulakow, S. Martin, R. Karthikeyan, S.L.L. Hutchinson, L.C. Davis, T.H. Illangasekare, C. Ng'oma
Environmental Progress, 25(1):20-31, 2006
- 05-255-S 2005 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, D.W. Sweeney, K.W. Kelley, J.H. Long, M.B. Kirkham, G.M. Pierzynski, M. Buckley, R. Lamond, S. Staggenborg, F.K. Brazle, G.L. Kilgore, S. Duncan, C.M. Taliaferro, M. Knapp
KS Agric. Exp. Stn. Report of Progress 944, Apr. 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
- 05-272-J Protox-resistant common waterhemp (*Amaranthus rudis*) response to herbicides applied at different growth stages
J.S. Falk, D.E. Shoup, K. Al-Khatib, D.E. Peterson
Weed Science, 54:793-799, 2006
- 05-277-J *Fusarium graminearum*-induced changes in gene expression between *Fusarium* head blight-resistant and susceptible wheat cultivars
A. Bernardo, G. Bai, P. Guo, K. Xiao, A.C. Guenzi, P. Ayoubi
Functional & Integrative Genomics, 7:69-77, 2007

- 05-280-J Evaluation of calcium silicate for brown patch and dollar spot suppression on turfgrasses
Q. Zhang, J. Fry, K. Lowe, N. Tisserat
Crop Science, 46:1635-1643, 2006
- 05-287-A Crop water allocation for limited ground water
N.L. Klocke, L.R. Stone, G.A. Clark, T.J. Dumler, S. Briggeman
Proceedings of the ASAE Annual International Meeting
Tampa, FL, 2005, 11 pp., Paper no. 051287
- 05-301-J Chelate-assisted heavy metal removal by sunflower to improve soil with sludge
M.S. Liphadzi, M.B. Kirkham
J. of Crop Improvement, 16:153-172, 2006
- 05-326-J Effects of tillage and nitrogen management on soil chemical and physical properties after 23 years of continuous sorghum
J.G. Guzman, C.B. Godsey, G.M. Pierzynski, D.A. Whitney, R.E. Lamond
Soil & Tillage Research, 91:199-206, 2006
- 05-340-S Field day 2005, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, D. Leikam, B. Olson, M. Alam, N. Klocke, R. Currie, M. Brouk, R. Aiken, G. Clark, L. Buschman, P. Sloderbeck, M. Witt, R. Hale, D. Henson, G. Gold, C. MacKown, T. Herrman
KS Agric. Exp. Stn. Report of Progress 945, Aug. 2005
- 06-8-J Auxin-enhanced root growth for phytoremediation of sewage-sludge amended soil
M.S. Liphadzi, M.B. Kirkham, G.M. Paulsen
Environmental Technology, 27:695-704, 2006
- 06-9-J Effects of genotype and environment on adhesive shear strength in soybean
M.E. Stoll, W.T. Schapaugh, Jr., M.S. Zutara, J. Hu, X.S. Sun
Crop Science, 46:2008-2012, 2006
- 06-11-S 2005 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Spangler, E. Parker, B. Seabourn, M. Knapp, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 947, July 2005
- 06-28-J Water allocation model for limited irrigation
N.L. Klocke, L.R. Stone, G.A. Clark, T.J. Dumler, S. Briggeman
Applied Engineering in Agriculture, 22(3):381-389, 2006
- 06-43-J Mycorrhizal-mediated phosphorus transfer between the tallgrass prairie plants *Sorghastrum nutans* and *Artemisia ludoviciana*
G. Wilson, D. Hartnett, C. Rice
Functional Ecology, 20:427-435, 2006
- 06-65-J Chemical imaging of intact seeds with NIR focal plane array assists plant breeding
V.W. Smail, A.K. Fritz, D.L. Wetzel
Vibrational Spectroscopy, 42:215-222, 2006
- 06-66-J Cadmium in plants on polluted soils: Effects of soil factors, hyperaccumulation, and amendments
M.B. Kirkham
Geoderma, 137:19-32, 2006
- 06-72-J Crop and soil response to wheel-track compaction of a claypan soil
D.W. Sweeney, M.B. Kirkham, J.B. Sisson
Agronomy J., 98:637-643, 2006
- 06-81-S Evaluation of soybean varieties for iron-deficiency chlorosis
P. Rzedkiewicz, W. Schapaugh
KS Agric. Exp. Stn. Keeping up with Research 140, Jan. 2006
- 06-93-J Remediation to reduce ecological risk from trace element contamination: A decision case study
G.M. Pierzynski, G.C. Vaillant
J. of Natural Resources and Life Sciences Education, 35:85-94, 2006
- 06-105-J Clean, green image starts with the soil
M.B. Kirkham
BioCycle, 46(10):60, 2005

- 06-108-S 2005 Kansas performance tests with corn hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 949, Nov. 2005
- 06-109-S Agronomy field research 2005
D. Leikam, K.A. Janssen, G.M. Pierzynski, W.B. Gordon, R.E. Lamond, L.D. Maddux, M.M. Claassen, D.L. Regehr, D.L. Fjell, G.E. Wilde, W.F. Heer, K.L. Roozeboom, R.R. Janke, R.M. Aiken, D.J. Inloes, J.M.S. Hutchinson, B.L.S. Olson, R. Aiken, A. Schlegel, L. Stone, D. Rogers, F. Lamm, R.D. Stockton, L.D. Charlet, D.E. Peterson
KS Agric. Exp. Stn. Report of Progress 956, Dec. 2005
- 06-117-J Response of common lambsquarters (*Chenopodium album*) to glyphosate as affected by growth stage
C.L. Schuster, D.E. Shoup, K. Al-Khatib
Weed Science, 55:147-151, 2007
- 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
- 06-123-A Optimizing water allocations and crop selections for limited irrigation
N.J. Klocke, L.R. Stone, G.A. Clark, T.J. Dumler, S. Briggeman
Proceedings of the 26th Annual International Irrigation Association Technical Conference
Phoenix, AZ, 2005, 4 pp.
- 06-125-S 2006 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 958, Jan. 2006
- 06-127-S 2005 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 950, Nov. 2005
- 06-128-S 2005 Kansas performance tests with soybean varieties
W. Schapaugh, Jr., K. Roozeboom, P. Evans, J. Long, M. Spangler, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux
KS Agric. Exp. Stn. Report of Progress 951, Dec. 2005
- 06-148-S 2005 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer, L. Maddux
KS Agric. Exp. Stn. Report of Progress 952, Dec. 2005
- 06-149-J Mechanical stresses in soils assessed from bulk density and penetration resistance datasets
R. Horn, K.H. Hartge, J. Bachmann, M.B. Kirkham
Soil Science Society of America J., 71:1455-1459, 2007
- 06-152-S 2005 Kansas performance tests with sunflower hybrids
P. Evans, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 953, Dec. 2005
- 06-156-A Comparisons of KIH-485 and S-metolachlor for weed control in corn
R.S. Currie, D. Regehr
Proceedings of the North Central Weed Science Society
Kansas City, MO, 2005, 84 pp.
- 06-173-J Effects of amylose amylopectin ratio, corn protein, and corn fiber contents on ethanol production
X. Wu, R. Zhao, D. Wang, S.R. Bean, P.A. Seib, M.R. Tuinstra, M. Campbell, A. O'Brien
Cereal Chemistry, 83(5):569-575, 2007
- 06-177-J Availability of heavy metals in soil with injected sludge and composted-sludge soil
M.S. Liphadzi, M.B. Kirkham
In: Soil Management for Sustainability, Advances in GeoEcology 38, pp. 203-214, 2006

- 06-179-A Using KansasGrazer to aid in pasture management decisions
J.L. Moyer, S.L. Fogleman, J.O. Fritz
Proceedings of the American Forage and Grassland Council
San Antonio, TX, 2006, 15:112-116
- 06-186-J Ratios of erosive wind energies on dry days and all days in the western United States
L.J. Hagen
Transactions of the ASAE, 50(6):1981-1986, 2007
- 06-189-S 2005 National winter canola variety trial
M. Stamm, C. La Barge, K. Roozeboom, R. Aiken, R. Auld, R. Bacon, B. Baldwin, D. Baltensperger, H. Bhardwaj, D. Bordovsky, E. Cebert, E. Christmas, S. Conley, R. Freed, W. Heer, D. Johnson, J. Johnson, J. Johnson, J. Kelly, J. Klein, R. Kochenower, J. Krall, K. Kusel, J. Lamle, K. Larson, D. LeGare, E. Lentz, J. Long, V. Martin, H. Mason, G. McVay, L. Nelson, C. Pearson, P. Porter, P. Raymer, C. Rife, P. Rose, M. Schmidt, G. Schwab, R. Smoot, D. Starner, D. Wysocki
KS Agric. Exp. Stn. Report of Progress 954, Feb. 2006
- 06-201-A Crop selections and water allocations for limited irrigation
N.L. Klocke, L.R. Stone, T.J. Dumler, G.A. Clark, S. Briggeman
Proceedings of the Central Plains Irrigation Conference
Colby, KS, 2006, p. 151-161
- 06-204-J Improved analysis of heat pulse signals for soil water flux determination
G.J. Kluitenberg, T.E. Ochsner, R. Horton
Soil Science Society of America J., 71(1):53-55, 2007
- 06-206-J Heavy metal displacement in EDTA-assisted phytoremediation of biosolids soil
M.S. Liphadzi, M.B. Kirkham
J. of Water Science and Technology, 54:147-153, 2006
- 06-207-S 2005 Kansas performance tests with summer annual forages
K. Roozeboom, W. Heer, P. Evans, K. Kofoid, K. Harmony
KS Agric. Exp. Stn. Report of Progress 955, Feb. 2006
- 06-214-J Genesis and micromorphology of loess-derived soils from central Kansas
H. Gunal, M.D. Ransom
Catena, 65:222-236, 2006
- 06-215-J Clay illuviation and calcium carbonate accumulation along a precipitation gradient in Kansas
H. Gunal, M.D. Ransom
Catena, 65:59-69, 2006
- 06-221-J Root uptake and transpiration: From measurements and models to sustainable irrigation
S.R. Green, M.B. Kirkham, B.E. Clothier
Agricultural Water Management, 86:165-176, 2006
- 06-224-J Heavy metal displacement in chelate-treated soil with sludge during phytoremediation
M.S. Liphadzi, M.B. Kirkham
J. of Plant Nutrition and Soil Science, 169:737-744, 2006
- 06-225-J Availability and plant uptake of heavy metals in EDTA-assisted phytoremediation of soil and composted biosolids
M.S. Liphadzi, M.B. Kirkham
South African J. of Botany, 72:391-397, 2006
- 06-226-J Management of soil acidity in no-till production systems through surface application of lime
C.B. Godsey, G.M. Pierzynski, D.B. Mengel, R.E. Lamond
Agronomy J., 99:764-772, 2007
- 06-227-J Yield-water supply relationships of grain sorghum and winter wheat
L.R. Stone, A.J. Schlegel
Agronomy J., 98:1359-1366, 2006
- 06-235-J Plant population and weeds influence stalk insects, soil moisture, and yield in rainfed sunflowers
J.A. Qureshi, P.W. Stahlman, J.P. Michaud
Insect Science, 14:425-435, 2007
- 06-239-B Wheat genetics resource center: The first 25 years
B. Gill, B. Friebe, W.J. Raupp, D. Wilson, T.S. Cox, R. Sears, G. Brown-Guedira, A.K. Fritz
In: Advances in agronomy, 89, D.L. Sparks (Ed.). Elsevier, pp. 73-135, 2006

- 06-240-S Kansas fertilizer research 2005
D.F. Leikam, M. Alam, H.D. Bond, M.M. Claassen, J.O. Fritz, C.B. Godsey, W.B. Gordon, R. Hale, K.W. Kelley, G.L. Kilgore, R.E. Lamond, D.F. Leikam, D.B. Mengel, J.L. Moyer, J. Naysmith, A.J. Schlegel, D. Seymore, J. Siemens, G. Sohm, L.R. Stone, D.W. Sweeney, C.R. Thompson
KS Agric. Exp. Stn. Report of Progress 957, Mar. 2006
- 06-243-J Evaluation of common lime requirement methods
C.B. Godsey, G.M. Pierzynski, D.B. Mengel, R.E. Lamond
Soil Science Society of America J., 71:843-850, 2007
- 06-258-J Ecological funerals
M.B. Kirkham
In Business, 28(2):23, 2006
- 06-262-D K-State agronomy 1906-2006: A century remembered
G.L. Posler, G.M. Paulsen (Eds.).
Agronomy Department Report, 2006, 193 pp.
(available only from department)
- 06-263-S 2006 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, C.M. Taliaferro, K.W. Kelley, K.J. Moore, E.C. Brummer, D.W. Sweeney, M.B. Kirkham, R. Lamond, G. Kilgore, J. Long, S. Staggenborg, C. Pacht, S. Duncan, N.L. Brooker, K. Walker, M. Knapp
KS Agric. Exp. Stn. Report of Progress 960, Apr. 2006
- 06-283-J Characterization of antibiosis and antixenosis in several soybean genotypes to the soybean aphid (Hemiptera: Aphididae)
J. Diaz-Montano, J.C. Reese, W.T. Schapaugh, L.R. Campbell
J. of Economic Entomology, 99:1884-1889, 2006
- 06-284-J Changes in soil pH, organic carbon, and extractable aluminum from crop rotation and tillage
C.B. Godsey, G.M. Pierzynski, D.B. Mengel, R.E. Lamond
Soil Science Society of America J., 71:1038-1044, 2007
- 06-319-A Crop production in western Kansas as related to irrigation capacity
F.R. Lamm, L.R. Stone, D.M. O'Brien
Proceedings of the ASABE Annual International Meeting
Portland, OR, 2006, 13 pp., Paper no. 062208
- 06-335-J The number of experiments needed to determine wheat disease phenotypes for four wheat diseases
W.W. Bockus, Z. Su, K.A. Garrett, B.S. Gill, J.P. Stack, A.K. Fritz, K.L. Roozeboom, T.J. Martin
Plant Disease, 91(1):103-108, 2007
- 06-348-J Loss and recovery of research investment for applied sciences: A salutary lesson from New Zealand
M.B. Kirkham, B.E. Clothier
HortTechnology, 17:9-13, 2007
- 06-362-J Factors impacting ethanol production from grain sorghum in the dry-grind process
X. Wu, R. Zhao, S.R. Bean, P.A. Seib, J.S. McLauren, R.L. Madl, M.R. Tuinstra, M.C. Lenz, D. Wang
J. of Cereal Chemistry, 84(2):130-136, 2007
- 07-1-J Chlorophyll losses caused by soybean aphid (Hemiptera: Aphididae) feeding on soybeans
J. Diaz-Montano, J.C. Reese, W.T. Schapaugh, L.R. Campbell
J. of Economic Entomology, 100:1657-1662, 2007
- 07-8-S 2006 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, D. Jardine, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, E. Parker, J. Lingenfelter, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 967, Aug. 2006
- 07-27-B Future of soil science: Soil science research at universities in the USA
M.B. Kirkham
In: The future of soil science, A. Hartemink (Ed.). Wageningen, the Netherlands: International Union of Soil Science, pp. 73-75, 2006

- 07-29-J Feeding behavior of the soybean aphid (Hemiptera: Aphididae) on resistant and susceptible soybean genotypes
J. Diaz-Montano, J.C. Reese, J. Louis, L.R. Campbell, W.T. Schapaugh
J. of Economic Entomology, 100:984-989, 2007
- 07-31-A In-situ oxidative polymerization of phenolic contaminants: Impact on the transport and retention of phenol in saturated porous media
A. Bhandari, W. Kim, K. Hohn, G. Kluitenberg
Proceedings of the 2006 Environmental and Water Resources Institute India Conference, American Society of Civil Engineers and IIT-Kanpur
New Delhi, India, 2006
- 07-34-S Field day 2006, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, M. Alam, N. Klocke, R. Aiken, R. Currie, G. Clark, D.H. Rogers, K. Shaw, P. Rickabaugh, G. Gold, L. Buschman, P. Sloderbeck, H. Davis
KS Agric. Exp. Stn. Report of Progress 961, Aug. 2006
- 07-42-J Fluroxypyr efficacy is affected by relative humidity, temperature, and soil moisture
M.D. Lubbers, P.W. Stahlman, K. Al-Khatib
Weed Science, 55:260-263, 2007
- 07-53-B Influence of high temperature and breeding for heat tolerance in cotton: A review
R.P. Singh, P.V.V. Prasad, K. Sunita, S.N. Giri, K.R. Reddy
In: Advances in Agronomy, 93, D.L. Sparks (Ed.). Elsevier, pp. 313-385, 2007
- 07-67-J Management effects on soil physical properties in long-term tillage studies in Kansas
K.A. McVay, J.A. Budde, K. Fabrizzi, M.M. Mikha, C.W. Rice, A.J. Schlegel, D.E. Peterson, D.W. Sweeney, C. Thompson
Soil Science Society of America J., 70:434-438, 2006
- 07-80-J 17th Conference of the International Soil Tillage Research Organization
M.B. Kirkham
International Union of Soil Science Bulletin 109, pp. 3-6, 2006
- 07-81-J Gene expression of different wheat genotypes during attack by virulent and avirulent Hessian fly (*Mayetiola destructor*) larvae
X. Liu, J. Bai, L. Zhu, X. Liu, N. Weng, J.C. Reese, M. Harris, J.J. Stuart, M.-S. Chen
J. of Chemical Ecology, 33:2171-2194, 2007
- 07-90-J Correlation between heat stability of thylakoids membranes and loss of chlorophyll in winter wheat under heat stress
Z. Ristic, U. Bukovnik, P.V.V. Prasad
Crop Science, 47:2067-2073, 2007
- 07-97-J Sensitivity of the dual-probe heat-pulse method to spatial variations in heat capacity and water content
J.H. Knight, W. Jin, G.J. Kluitenberg
Vadose Zone J., 6(4):746-758, 2007
- 07-98-J Prospects for genomewide selection for quantitative traits in maize
R. Bernardo, J. Yu
Crop Science, 47:1082-1090, 2007
- 07-99-J Multilocus epistasis, linkage, and genetic variance in breeding populations with few parents
D.A. Tabanao, J. Yu, R. Bernardo
Theoretical and Applied Genetics, 115:335-342, 2007
- 07-100-S 2006 Kansas performance tests with grain sorghum hybrids
J. Lingenfelser, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 969, Nov. 2006
- 07-105-J Cotton response to simulated drift of seven hormonal-type herbicides
M.E. Marple, K. Al-Khatib, D. Shoup, D.E. Peterson, M. Claassen
Weed Technology, 21:987-992, 2007
- 07-106-S 2006 Kansas performance tests with corn hybrids
J. Lingenfelser, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 968, Dec. 2006

- 07-114-S 2006 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., J. Lingenfelter, K. Roozeboom, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, M. Spangler
KS Agric. Exp. Stn. Report of Progress 970, Dec. 2006
- 07-128-J Mechanism of antagonism of mesotrione on sulfonylurea herbicides
C.L. Schuster, K. Al-Khatib, J.A. Dille
Weed Science, 55:429-434, 2007
- 07-129-J Heat-induced acculation of chlorophyll protein synthesis elongation factor, EF-Tu, in winter wheat
Z. Ristic, U. Bukovnik, I. Momčilović, J. Fu, P.V.V. Prasad
J. of Plant Physiology, 165:192-202, 2008
- 07-138-S 2007 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 977, Jan. 2007
- 07-139-S 2006 Kansas performance tests with alfalfa varieties
J. Lingenfelter, K. Roozeboom, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer, L. Maddux
KS Agric. Exp. Stn. Report of Progress 971, Dec. 2006
- 07-141-J Crop production and economics in northwest Kansas as related to irrigation capacity
F.R. Lamm, L.R. Stone, D.M. O'Brien
Applied Engineering in Agriculture, 23(6):737-745, 2007
- 07-144-S 2006 Kansas performance tests with sunflower hybrids
P. Evans, J.E. Lingenfelter, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 972, Dec. 2006
- 07-154-J A century of agronomic education
S.J. Thien, M.E. Buckley, W.W. McFee
Agronomy J., 100:S89-S102, 2008
- 07-169-J Economic analysis of avoiding a potential health hazard on an individual farm
R.O. Burton, Jr., R.M. Key, B.W. Schurle, D.L. Regehr
J. of the American Society of Farm Managers and Rural Appraisers, 70:103-109, 2007
- 07-184-S Kansas fertilizer research 2006
M. Alam, H.D. Bond, M.M. Claassen, W.B. Gordon, W.F. Heer, K.A. Janssen, K.W. Kelley, G.L. Kilgore, R.E. Lamond, D.F. Leikam, T.M. Maxwell, J.L. Moyer, T. Roberts, A.J. Schlegel, L.R. Stone, D.W. Sweeney
KS Agric. Exp. Stn. Report of Progress 976, Mar. 2007
- 07-187-S 2006 National winter canola variety trial
M. Stamm, C. La Barge, R. Aiken, R. Auld, R. Bacon, B. Baldwin, D. Baltensperger, G. Frickel, B. Bean, A. Berrada, H. Bhardwaj, D. Bordovsky, G. Church, B. Caldbeck, E. Cebert, S. Conley, E. Christmas, R. Freed, W. Heer, V. Martin, D. Hooper, D. Johnson, R. Kochenower, J. Krall, J. Nachtman, J. Lamle, G. McVey, V. Schuermann, K. Larson, E. Lentz, J. Long, K. Kusel, H. Mason, R. Matheson, K. McKay, L. Nelson, C. Pearson, P. Porter, D. LeGare, C. Rife, G. Roth, M.C. Frier, P. Rose, M. Stack, R. Sidwell, M. Schmidt, J. Klein, D. Starner, R. Thacker, K. Tungate, A. Moore, M. Witt
KS Agric. Exp. Stn. Report of Progress 973, Apr. 2007
- 07-191-J Photochemical efficiency and recovery of photosystem II in grapes after exposure to sudden and gradual heat stress
S. Kadir, M. von Weihe, K. Al-Khatib
J. of the American Society for Horticulture Science, 132:751-882, 2007
- 07-222-S 2007 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, C.M. Taliaferro, K.W. Kelley, K.J. Moore, D.W. Sweeney, G.M. Pierzynski, D.B. Mengel, J. Long, G.L. Kilgore, S. Staggenborg, C. Pachta, S. Duncan, M. Knapp
KS Agric. Exp. Stn. Report of Progress 979, Apr. 2007
- 07-223-J Are bordered plots necessary for corn performance tests?
K.L. Roozeboom, M.M. Claassen
Crop Management, 2008
Published online,
doi:10.1094/CM-2008-0317-01-RS

- 07-226-J Testing wheat in variable environments: Genotype, environment, interaction effects and grouping test locations
K. Roozeboom, W. Schapaugh, M.R. Tuinstra, R.L. Vanderlip, G.A. Milliken
Crop Science, 48:317-330, 2008
- 07-236-J Grazing systems for yearling cattle on tallgrass prairie
C.E. Owensby, L.M. Auen, H.F. Berns, K.C. Dhuyvetter
Rangeland Ecology and Management, 61:204-210, 2007
- 07-278-J Updating soil surface conditions during wind erosion events using the wind erosion prediction system (WEPS)
L.J. Hagen
Transactions of the ASABE, 51(1):129-137, 2008
- 08-7-J Storage efficiency of off-season irrigation
L.R. Stone, F.R. Lamm, A.J. Schlegel, N.L. Klocke
Agronomy J., 100:1185-1192, 2008
- 08-11-S 2007 Kansas performance tests with winter wheat varieties
J. Lingenfelter, K. Roozeboom, A. Fritz, E. De Wolf, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, M. Spangler, A. Schlegel, R. Chen, L. McLaughlin, R. Miller, B. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 982, Aug. 2007
- 08-14-S Field day 2007, Southwest Research-Extension Center
J. Elliot, A. Schlegel, L. Stone, H.D. Bond, M. Alam, C. Thompson, T. Dumler, J. Holman, S. Maxwell, G. Miller, M. Spangler, N. Klocke, D. Tomsicek, R. Currie, M. Brouk, R. Aiken, J. Peterson, D.H. Rogers, G.A. Clark, K. Shaw, D. Peterson, J. Lee, B. Fast, D. Murray, L. Buschman, T. taka Niide, W. Schapaugh, W.B. Gordon, H. Davis, P. Sloderbeck
KS Agric. Exp. Stn. Report of Progress 980, Apr. 2007
- 08-58-J Heavy metal displacement in salt-water-irrigated soil during phytoremediation
I.H. Wahla, M.B. Kirkham
Environmental Pollution, 155:271-283, 2008
- 08-67-J Major regulatory genes in maize contribute to standing variation in teosinte (*Zea mays* ssp. *parviglumis*)
A. Weber, R. Clark, L. Vaughn, J.J. Sanchez-Gonzalez, J. Yu, B.S. Yandell, P. Bradbury, J.F. Doebley
Genetics, 177:2349-2359, 2007
- 08-109-J Water balance of a stock-watering pond in the Flint Hills of eastern Kansas
J.L. Duesterhaus, J.M. Ham, C.E. Owensby, J.T. Murphy
Rangeland Ecology and Management, 61:329-338, 2008
- 08-110-J A model for prediction of heat stability of photosynthetic membranes
Z. Ristic, U. Bukovnik, P.V.V. Prasad, M. West
Crop Science, 48:1513-1522, 2008
- 08-120-S 2007 Kansas performance tests with corn hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 983, Oct. 2007
- 08-125-J Reviews of association analysis of quantitative traits in plants
X.H. Yang, J.B. Yan, Y.P. Zheng, J. Yu, J.S. Li
ACTA Agronomica Sinica, 33(4):523-530, 2007
- 08-134-S 2008 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 994, Jan. 2008
- 08-147-S 2007 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., J. Lingenfelter, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, M. Spangler, D. Stities
KS Agric. Exp. Stn. Report of Progress 987, Dec. 2007

- 08-148-S 2007 Kansas performance tests with grain sorghum hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, P. Vadlani, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 986, Dec. 2007
- 08-160-J Reaction of the 2007 Kansas Intrastate Nursery to barley yellow dwarf and Fusarium head blight
W.W. Bockus, A.K. Fritz, T.J. Martin
Plant Disease Management Reports (APS), Report 2:CF006, 2008
Published online, doi:10.1094/PDMR02
- 08-174-S 2007 Kansas performance tests with sunflower hybrids
P. Evans, J.E. Lingenfelter, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 989, Dec. 2007
- 08-191-S 2007 Kansas performance tests with alfalfa varieties
J. Lingenfelter, J.R. Cochrane, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer
KS Agric. Exp. Stn. Report of Progress 988, Jan. 2008
- 08-212-S Beef cattle research 2008
A.L. Mayer, J.A. Gunderson, A.S. Lobaton-Sulabo, E.A.E. Boyle, T.A. Houser, J.J. Higgins, S. Hutchison, J.A. Unruh, M.J. Daniel, M.C. Hunt, C. Raines, J.P. Grobbel, M.E. Dikeman, G.A. Milliken, A.M. Arnett, M.D. Thomas, K.C. Olson, J.S. Stevenson, J.R. Jaeger, J.W. Bolte, N.A. Sproul, D.A. Linden, K. Dhuyvetter, T. Schroeder, J.M. DeRouchey, S.Q. Jones, J.M. Ham, J.S. Drouillard, R.A. Kreikemeier, L.A. Pacheco, D.U. Thomson, B.J. White, R.L. Larson, J. Minick Bormann, D.W. Moser, T.T. Marston, T.W. Van Winkle, C.O. Anglin, D.A. Blasi, C.D. Reinhardt, M.P. Epp, R.D. Derstein, B.B. Barnhardt, S. Uwituzze, B.E. Depenbusch, K.K. Karges, M.L. Gibson, M.L. May, M.J. Quinn, M.J. Hands, J.O. Wallace, L. Murray, D.R. Linden, D.E. Anderson, T.J. Baxa, J.P. Hutcheson, M.F. Miller, W.T. Nichols, M.N. Streeter, D.A. Yates, B.J. Johnson
KS Agric. Exp. Stn. Report of Progress 995, Mar. 2008
- 08-234-S 2007 National winter canola variety trial
M. Stamm, C. La Barge, R. Auld, E. Bechere, R. Bacon, J. Kelly, B. Bean, B. Villarreal, A. Berrada, H. Bhardwaj, B. Caldbeck, J. Hagan, E. Ceibert, M. Claassen, D. Crompton, D. Day, J. Gassett, G. Ware, C. Godsey, R. Freed, W. Heer, V. Martin, J. Holman, D. Hooper, J. Johnson, R. Kochenower, K. Larson, E. Lentz, J. Long, K. Kusel, H. Mason, W. Wiebold, J. Massey, R. Matheson, L. Nelson, C. Pearson, C. Rife, G. Roth, M.C. Frier, M. Schmidt, J. Klein, C. Schmidt, R. Sidwell, M. Stack, D. Starner, R. Thacker
KS Agric. Exp. Stn. Report of Progress 990, Mar. 2008
- 08-241-J Effect of seed treatment fungicides on stand, charcoal rot suppression and yield in soybeans, 2007
L. Maddux, D.J. Jardine
Plant Disease Management Reports (APS), Report 2:ST007, 2008
Published online, doi:10.1094/PDMR02
- 08-242-J Effect of seed treatment fungicides on stand and yield of corn, 2007
D.J. Jardine, B. Gordon, J.H. Long
Plant Disease Management Reports (APS), Report 2:ST004, 2008
Published online, doi:10.1094/PDMR02
- 08-243-J Effect of seed treatment fungicides on stand and yield of grain sorghum, 2007
D.J. Jardine, M. Claassen, B. Gordon, J.H. Long
Plant Disease Management Reports (APS), Report 2:ST006, 2008
Published online, doi:10.1094/PDMR02
- 08-244-J Effect of seed treatment fungicides on stand and yield of grain sorghum, 2007
D.J. Jardine, B. Gordon, J.H. Long
Plant Disease Management Reports (APS), Report 2:ST005, 2008
Published online, doi:10.1094/PDMR02
- 08-247-J Heterologous expression of a plastid EF-Tu reduces protein thermal aggregation and enhances CO₂ fixation in wheat following heat stress
J. Fu, I. Momčilović, T.E. Clemente, N. Nersesian, H.N. Trick, Z. Ristic
Plant Molecular Biology, 68:277-288, 2008

- 08-250-S Sedimentation in our reservoirs: Causes and solutions
T. Streeter, W.L. Hargrove, F. deNoyelles, M. Jakubauskas, D.G. Huggins, R.C. Everhart, A. Dzialowski, J. Kritz, D.S. Baker, D. Devlin, P. Barnes, J. Williams, C. Smith, M.A. Townsend, N.O. Nelson, D. Goard, D. Presley
KS Agric. Exp. Stn. Special Publication (UNN), June 2008
- 08-252-J Status and prospects of association mapping in plants
C. Zhu, M. Gore, E.S. Buckler, J. Yu
The Plant Genome, 1:5-20, 2008
- 08-258-J Markers associated with a QTL for grain yield in wheat under drought
F.M. Kirigwi, M. Van Ginkel, G. Brown-Guedira, B.S. Gill, A.K. Fritz
Molecular Breeding, 20:401-413, 2007
- 08-287-S 2008 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, K.J. Moore, C.M. Taliaferro, D.W. Sweeney, K.W. Kelley, G.M. Pierzynski, J.H. Long, D. Jardine, E. De Wolf, M. Knapp
KS Agric. Exp. Stn. Report of Progress 996, Apr. 2008
- 08-288-S Field day 2008, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, C. Thompson, T. Dumler, L. Haag, L. Stone, M. Alam, N. Klocke, R. Currie, M. Brouk, J. Lee, P. Westra, J. Fenderson, J. Tichota, J. Mueller, J. Holman, T. Gillum, M. Deewall, A. Burns, H. Davis, L. Buschman, P. Sloderbeck, A. Joshi, T. Niide, W.B. Gordon, C. Khajuria, M. Stamm, G. Miller, S. Maxwell, R. Hale, T. Herrman, L. Murray, K. Roozeboom, D. Yauk
KS Agric. Exp. Stn. Report of Progress 997, Apr. 2008
- 08-311-S Agronomy field research 2007
K.A. Janssen, G.L. Kilgore, L.D. Maddux, M.M. Claassen, D.L. Regehr, W.B. Gordon, K.L. Roozeboom, W.F. Heer, V.L. Martin, D.B. Mengel, M.J. Stamm
KS Agric. Exp. Stn. Report of Progress 992, Apr. 2008
- 08-312-S Kansas fertilizer research 2007
M. Alam, H.D. Bond, M.M. Claassen, J. Holman, K.A. Janssen, K.W. Kelley, D.B. Mengel, J.L. Moyer, G.M. Pierzynski, A. Schlegel, L. Stone, D.W. Sweeney
KS Agric. Exp. Stn. Report of Progress 993, Apr. 2008
- 08-330-J Effects of growing location and irrigation on attributes and ethanol yields of selected grain sorghums
X. Wu, R. Zhao, L. Liu, S. Bean, P.A. Seib, J. McLaren, R. Madl, M. Tuinstra, M. Lenz, D. Wang
Cereal Chemistry, 85(4):495-501, 2008
- 08-350-A Features and fermentation performance of sweet sorghum juice after harvest
X. Wu, S. Staggenborg, J.L. Propheter, W. Rooney, J. Yu, D. Wang
Proceedings of the ASABE Annual International Meeting
Providence, RI, 2008, Paper no. 080037
- 09-035-J Grain sorghum is a viable feedstock for ethanol production
D. Wang, S. Bean, J. McLaren, P. Seib, R. Madl, M. Tuinstra, Y. Shi, M. Lenz, X. Wu, R. Zhao
J. of Industrial Microbiology Biotechnology, 35:313-320, 2008
- Publications without contribution numbers
- Effect of postemergence glyphosate application timing on weed control and grain yield in glyphosate-resistant corn: Results of a 2-yr multistate study
S.A. Gower, M.M. Loux, J. Cardina, S.K. Harrison, P.L. Sprankle, N.J. Probst, T.T. Bauman, W. Bugg, W. S. Curran, R.S. Currie, R.G. Harvey, W.G. Johnson, J.J. Kells, M.D.K. Owen, D.L. Regehr, C.H. Slack, M. Spaur, C.L. Sprague, M. Vangessel, B.G. Young
Weed Technology, 17(4):821-828, 2004
- Book review of: Water dynamics in plant production. W. Ehlers, M. Coss
Wallingford, UK: CABI Publishing.
M.B. Kirkham
New Zealand J. of Crop and Horticultural Science, 33(2):199-200, 2005

Clay mineralogy, specific surface area, and micromorphology of polygenetic soils from eastern Kansas

H. Gunal, M.D. Ransom

Archives of Agronomy and Soil Science, 51(4):459-468, 2005

Economic feasibility of carbon sequestration with alternative tillage systems

D.L. Pendell, J.R. Williams, D.W. Sweeney, R.G. Nelson, C.W. Rice

J. of the American Society of Farm Managers and Rural Appraisers, 69(1):90-99, 2006

Tillage and phosphorus management effects on crop production in soils with phosphorus stratification

G.J. Schwab, D.W. Whitney, G.L. Kilgore, D.W. Sweeney

Agronomy J., 98:430-435, 2006

Agronomy field research 2006

L. Maddux, K.A. Janssen, W.B. Gordon, R.E. Lamond, G.L. Kilgore, M.M. Claassen, D.L. Regehr, D.L. Fjell, W.F. Heer, K.L. Roozeboom, V.L. Martin, B.L.S. Olson, J.S. Falk, R. Aiken, D. Rogers

KS Agric. Exp. Stn. Report of Progress 975, Apr. 2007

On the analysis of long-term experiments

T.M. Loughin, M.P. Roediger, G.A.

Milliken, J.P. Schmidt

J. of the Royal Statistical Society, Series A, 170(1):29-42, 2007

Anatomy and Physiology

02-130-J Effect of protein kinase C γ on gap junction disassembly in lens epithelial cells and retinal cells in culture

L. Wagner, S. Saleh, D. Boyle, D. Takemoto
Molecular Vision, 8:59-66, 2002

02-466-J Distinct structural elements that direct solution aggregation and membrane assembly in the channel forming peptide M2GlyR

J.R. Broughman, L.P. Shank, W. Takeguchi, T. Iwamoto, K.E. Mitchell, B.D. Schultz, J.M. Tomich
Biochemistry, 41:7350-7358, 2002

02-472-J LEDGF Activation of PKC γ and GAP junction disassembly in lens epithelial cells

T.A. Nguyen, D. Boyle, L. Wagner, T.

Shinohara, D.J. Takemoto

Experimental Eye Research, 76(5):565-572, 2003

03-126-J Anion channel-forming peptide modulates transepithelial electrical conductance and solute permeability

J.R. Broughman, R.M. Brandt, C. Hastings,

T. Iwamoto, J.M. Tomich, B.D. Schultz

American J. of Physiology, 286(6):C1312-1323, 2004

03-127-J Normalization of lens protein kinase C γ in galactosemic dogs by a novel aldose reductase inhibitor

D.J. Takemoto, R. Harris, A. Brightman, J.

McGill, D. Hua, H. Davidson, B. Fenwick,

L.M. Wagner

Veterinary Ophthalmology, 7(3):163-167, 2004

03-374-J Plastic RAMP: An improved rapid adhesive mediated procedure for tissue sections

G. Dobkin, D. Troyer

Veterinary Technician, 24(11):777-780, 2003

04-264-J Peroxidase-mediated oxidative coupling of 1-naphthol: Characterization of polymerization products

F. Xu, D.E. Koch, I.C. Kong, R.P. Hunter,

Al. Bhandari

Water Research, 39(11):2358-2368, 2005

04-392-J Characterization of bovine cDNA encoding triggering receptor expressed on myeloid cells I (TREM-1)

B. Ramanathan, J.E. Minton, C.R. Ross, F. Blecha

Veterinary Immunology and

Immunopathology, 102(1-2):85-89, 2004

04-436-J Cloning of porcine triggering receptor expressed on myeloid cells-1 (TREM-1) and its induction by lipopolysaccharide, peptoglycan, and *Salmonella enterica*

serovar Typhimurium infection

B. Ramanathan, J.E. Minton, C.R. Ross, F.

Blecha

Developmental and Comparative

Immunology, 29(1):1-7, 2005

- 05-26-J PVD9902, a porcine vas deferens epithelial cell line that exhibits neurotransmitter-stimulated anion secretion and expresses numerous HCO₃⁻ transporters
R. Carlin, R.L. Sedlacek, R.R. Quesnell, D. Greiger, F. Pierucci-Alves, B.D. Schultz
American J. of Physiology–Cell Physiology, 290(6):C1560-1571, 2006
- 05-61-J Pharmacological analysis of ovarian patency in *Heliothis virescens*
M.A. Pszczolkowski, A. Peterson, A. Srinivasan, S.B. Ramaswamy
J. of Insect Physiology, 51(4):445-453, 2005
- 05-107-J PU.1 mediated transcriptional regulation of prophenin-2 in primary bone marrow cells
B. Ramanathan, J.E. Minton, C.R. Ross, F. Blecha
Gene, 352:1-9, 2005
- 05-117-J Molecular cloning and characterization of equine NK-lysin
E.G. Davis, Y. Sang, B. Rush, G. Zhang, F. Blecha
Veterinary Immunology and Immunopathology, 105:163-169, 2005
- 05-309-J Porcine liver-expressed antimicrobial peptides, hepcidin and LEAP-2: Cloning and induction by bacterial infection
Y. Sang, B. Ramanathan, J.E. Minton, C.R. Ross, F. Blecha
Developmental and Comparative Immunology, 30(4):357-366, 2006
- 05-310-J Differential proteomic analysis reveals increased cathelicidin expression in bronchoalveolar lavage fluid after an *Actinobacillus pleuropneumoniae* infection
I. Hennig-Pauka, I. Jacobsen, F. Blecha, K.-H. Waldmann, G.-F. Gerlach
Veterinary Research, 37(1):75-87, 2006
- 06-48-A The road to identifying the juvenile hormone membrane receptor: Pharmacological studies in ovarian patency in *Heliothis virescens*
M.A. Pszczolkowski, E.E. Olson, A. Srinivasan, S.B. Ramaswamy
VI International Conference on Arthropod Physiology
Zakopane, Poland, 2005
- 06-90-J Apical electrolyte concentration modulates barrier function and tight junction protein localization in bovine mammary epithelium
R.R. Quesnell, J. Erickson, B.D. Schultz
American J. of Physiology–Cell Physiology, 292(1):C305-318, 2007
- 06-98-J Expression of early stem cell markers by porcine umbilical cord matrix (PUC) cells
R. Carlin, D. Davis, M. Weiss, B. Schultz, D. Troyer
Reproductive Biology and Endocrinology, 4:08, 2006
- 06-356-J Glucocorticoids stimulate ENaC upregulation in bovine mammary epithelium
R.R. Quesnell, X. Han, B.D. Schultz
American J. of Physiology–Cell Physiology, 292(5):C1739-1745, 2007
- 07-41-J Oxytocin and vasopressin stimulate anion secretion by human and porcine vas deferens epithelia
T.M. Hagedorn, R.W. Carlin, B.D. Schultz
Biology of Reproduction, 77(3)416-424, 2007
- 07-83-S Swine day 2006
R. Carlin, D. Troyer, M. Weiss, B. Schultz, D. Davis, K.R. Brown, B.J. Johnson, R.D. Goodband, M.D. Tokach, J.L. Nelssen, J.C. Woodworth, R.C. Sulabo, J. Quackenbush, S.S. Dritz, J.M. DeRouchey, J.D. Schneider, C.N. Groesbeck, J.M. Benz, D. McKilligan, R.O. Gottlob, C.R. Neill, N.Z. Frantz, B.M. Hildabrand, T.E. Burkey, K.A. Skjolaas, J.E. Minton, E.J. Wiedmann, S.K. Linneen, M.U. Steidinger, R.G. Main, C.R. Monge, J.D. Hancock, T.L. Gugle, C. Feoli, C.L. Jones, C.W. Starkey, G.A. Andrews, C.W. Hastad, J.L. Usry, M.C. Brumm, L.J. Johnston, K. Stalder, W. Diederich
KS Agric. Exp. Stn. Report of Progress 966, Nov. 2006
- 08-57-A *Aea*-TMOF action on egg maturation in *Heliothis virescens*: A preliminary study
M.A. Pszczolkowski, C. Rhine, S.B. Ramaswamy, D. Borovsky
Proceedings of the VII International Conference on Arthropods
Białka Tatrzańska, Poland, 2007

Publications without contribution numbers

Central interleukin-1 β antibody increases renal and splenic sympathetic nerve discharge
N. Lu, Y. Wang, F. Blecha, R.J. Fels, H.P. Hoch, M.J. Kenney
American J. of Physiology: Heart and Circulatory Physiology, 284(5):H1536-H1541, 2003

Increases in cytokine and antimicrobial peptide gene expression in horses by immunomodulation with *Propionibacterium acnes*
E.G. Davis, B.R. Rush, F. Blecha
Veterinary Therapeutics, 4(1):5-11, 2003

Effect of molybdenum and sulfur feeding on acute phase protein response to inflammatory challenge in beef heifers
J.D. Arthington, F. Martin, F. Blecha
The Professional Animal Scientist, 19(3):221-226, 2003

PR-39, a porcine antimicrobial peptide, inhibits apoptosis: Involvement of caspase-3
B. Ramanathan, H. Wu, C.R. Ross, F. Blecha
Developmental and Comparative Immunology, 28(2):163-169, 2004

Equine β -defensin-1: Full-length cDNA sequence and tissue expression
E.G. Davis, Y. Sang, F. Blecha
Veterinary Immunology and Immunopathology, 99(1-2):127-132, 2004

Hyperthermia-enhanced splenic cytokine gene expression is mediated by the sympathetic nervous system
C.K. Ganta, F. Blecha, R.R. Ganta, B.G. Helwig, S. Parimi, N. Lu, R.J. Fels, T.I. Musch, M.J. Kenney
Physiological Genomics, 19(2):175-183, 2004

Molecular cloning and characterization of three β -defensins from canine testis
Y. Sang, M.T. Ortega, F. Blecha, O. Prakash, T. Melgarejo
Infection and Immunity, 73(5):2611-2620, 2005

Central angiotensin II-enhanced splenic cytokine gene expression is mediated by the sympathetic nervous system
C.K. Ganta, N. Lu, B.G. Helwig, F. Blecha, R.R. Ganta, L. Zheng, C.R. Ross, T.I. Musch, R.J. Fels, M.J. Kenney
American J. of Physiology: Heart and Circulatory Physiology, 289(4):H1683-H1691, 2005

Cross-species analysis of the mammalian β -defensin gene family: Presence of syntenic gene clusters and preferential expression in the male reproductive tract
A.A. Patil, Y. Cai, Y. Sang, F. Blecha, G. Zhang
Physiological Genomics, 23(1):5-17, 2005

Gene silencing and overexpression of porcine peptidoglycan recognition protein long isoforms: Involvement in β -defensin-1 expression
Y. Sang, B. Ramanathan, C.R. Ross, F. Blecha
Infection and Immunity, 73(11):7133-7141, 2005

Bioinformatic and expression analysis of novel porcine β -defensins
Y. Sang, A.A. Patil, G. Zhang, C.R. Ross, F. Blecha
Mammalian Genome, 17(4):332-339, 2006

Hypothermia-enhanced splenic cytokine gene expression is independent of the sympathetic nervous system
C.K. Ganta, B.G. Helwig, F. Blecha, R.R. Ganta, R. Cober, S. Parimi, T.I. Musch, R.J. Fels, M.J. Kenney
American J. of Physiology: Regulatory, Integrative and Comparative Physiology, 291(3):R558-R565, 2006

Innate immunity and inflammation: New frontiers in comparative cardiovascular pathology
A. Linde, D. Mosier, F. Blecha, T. Melgarejo
Cardiovascular Research, 73(1):26-36, 2007

Comparison of three common methods of lung lavage in healthy pigs
I. Hennig-Pauka, S. Bremerich, H. Nienhoff, C. Schröder, M. Ganter, F. Blecha, K.H. Waldman
J. of Veterinary Medicine, 54(8):428-433, 2007

Respiratory disease markers in porcine bronchoalveolar lavage fluid
I. Hennig-Pauka, S. Bremerich, H. Nienhoff, C. Schröder, J. Verspohl, K. Strutzberg-Minder, M. Ganter, K.H. Waldman, F. Blecha, M. Beyerbach, G.F. Gerlach
J. of Veterinary Medicine, 54(8):434-440, 2007

Toll-like receptor (TLR) 2 and TLR4 gene expression in canine heart
A. Linde, F. Blecha, T. Melgarejo
American J. of Animal and Veterinary Sciences, 2(1):6-10, 2007

Canine cathelicidin (K9CATH): Gene cloning, expression, and biochemical activity of a novel pro-myeloid antimicrobial peptide
Y. Sang, M.T. Ortega, K. Rune, W. Xiau, G. Zhang, J.L. Soulages, G.H. Lushington, K. Fang, T.D. Williams, F. Blecha, T. Melgarejo
Developmental and Comparative Immunology, 31(12):1278-1296, 2007

Innate immunity and host defense peptides in veterinary medicine
A. Linde, C. Ross, E.G. Davis, L. Dib, F. Blecha, T. Melgarejo
J. of Veterinary Internal Medicine, 22(2):247-265, 2008

Animal Sciences and Industry

99-468-J Estimates of parameters between direct and maternal genetic effects for weaning weight and direct genetic effects for carcass traits in crossbred cattle
R.K. Splan, L.V. Cundiff, M.E. Dikeman, L.D. Van Vleck
J. of Animal Science, 80:3107-3111, 2002

00-120-J Interactive effects of diet complexity, zinc source, and feed-grade antibiotics on weaning pig growth performance
J.C. Woodworth, M.D. Tokach, J.L. Nelssen, R.D. Goodband, P.R. O'Quinn, T.M. Fakler
J. of Animal and Veterinary Advances, 4:688-693, 2005

00-382-J Characterization of 7S and 11S soy protein fractions from four selected soybean genotypes
A.L. Riblett, T.J. Herald, K. Schmidt, K. Tilley
J. of Agricultural and Food Chemistry, 49(10):4983-4989, 2001

00-442-J Effects of an *Actinobacillus pleuropneumoniae* challenge on growth, nitrogen balance, insulin-like growth factor-I, acute phase proteins, and final body composition of swine
J.A. Loughmiller, S.S. Dritz, J.L. Nelssen, M.D. Tokach, R.D. Goodband, B.W. Fenwick, T.L. McDonald
J. of Animal and Veterinary Advances, 4:805-817, 2005

00-462-J *Escherichia coli* O157:H7 and fermented sausages: A review
D.J.K. Getty, R.K. Phebus, J.L. Marsden, D.Y.C. Fung, C.L. Kastner
J. of Rapid Methods and Automation in Microbiology, 8:141-170, 2000

00-476-J An evaluation of differences in mean body surface temperature with infrared thermography in growing pigs fed different dietary energy intake and concentration
J.A. Loughmiller, M.F. Spire, M.D. Tokach, S.S. Dritz, J.L. Nelssen, R.D. Goodband, S.B. Hogge
J. of Applied Animal Research, 28:73-80, 2005

00-489-J New approach for modeling generalized microbial growth curves using artificial neural networks
M. Hajmeer, I. Basheer, J. Marsden, D.Y.C. Fung
J. of Rapid Methods and Automation in Microbiology, 8(4):265-284, 2000

01-262-J Evaluation of 5 nuclease-based detection assays to detect *Escherichia coli* O157:H7 from food products
L.K. Bohra, R.D. Oberst, R.K. Phebus, M.P. Hays, R.L. Green
J. of Rapid Methods and Automation in Microbiology, 9:143-160, 2001

01-477-J Characterization of soybean varieties by fluorescence spectroscopy
K.A. Khatib, T.J. Herald, P.L. Muino
International J. of Food Science and Technology, 40:545-555, 2005

- 02-2-J Effects of increasing dietary niacin on weanling pig growth performance
D.E. Real, J.L. Nelssen, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.M. DeRouchey, B.W. James, E. Alonso
The Professional Animal Scientist, 20:353, 2004
- 02-11-J Effects of increasing dietary L-carnitine on growth performance of weaning pigs
D.E. Real, M.U. Steidinger, J.L. Nelssen, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.M. DeRouchey, K.Q. Owen
J. of Animal Science, 81:2259-2269, 2003
- 02-53-J Tensile properties of extruded corn protein low density polyethylene films
T.J. Herald, E. Obuz, W.W. Twombly, K.D. Rausch
Cereal Chemistry, 79:261-264, 2002
- 02-64-J Effects of monensin and tylosin concentrations in limit-fed, high-energy growing diets for beef cattle
J.P. Montgomery, J.S. Drouillard, J.J. Sindt, T.B. Farran, J.J. LaBrune, R.D. Hunter, S.B. Laudert
The Professional Animal Scientist, 19:244-250, 2002
- 02-76-J Combinations of alfalfa hay and wet corn gluten feed in limit-fed growing diets for beef cattle
S.P. Montgomery, J.S. Drouillard, J.J. Sindt, T.B. Farran, J.N. Pike, A.M. Trater, C.M. Coetzer, H.J. LaBrune, R.D. Hunter, R.A. Stock
J. of Animal Science, 81(7):1671-1680, 2003
- 02-136-J Water, sodium chloride and acidified sodium chlorite effects on *Escherichia coli* O157:H7 and *Staphylococcus aureus* on beef briskets
M.N. Hajmeer, J.L. Marsden, D.Y.C. Fung, G.K. Kemp
Meat Science, 68:277-283, 2004
- 02-157-J Effect of glycine supplementation on sulfur amino acid utilization by growing cattle
B.D. Lambert, E.C. Titgemeyer, C.A. Loest, D.E. Johnson
J. of Animal Physiology and Animal Nutrition, 88:288-300, 2004
- 02-171-J Effects of increasing dietary niacin on growth performance and meat quality in finishing pigs reared in two different environments
D.E. Real, J.L. Nelssen, J.A. Unruh, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.M. DeRouchey, E. Alonso
J. of Animal Science, 80:3203, 2002
- 02-206-J Additive effects of added L-carnitine and chromium picolinate on sow reproductive performance
D.E. Real, J.L. Nelssen, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.C. Woodworth, K.Q. Owen
Livestock Science, 116:63-69, 2008
- 02-248-J Instrumental and consumer evaluation of pork restructured with Activa™ or with Fibrimex™ formulated with and without phosphate
N.C. Flores, C.L. Kastner, E.A.E. Boyle
LWT-Food Science and Technology, 40:179-185, 2007
- 02-268-J Evaluation of finishing performance, carcass characteristics, acid resistant *E. coli* and total coliforms from steers fed combinations of wet corn gluten feed and steam-flaked corn
J.J. Sindt, J.S. Drouillard, H. Thippareddi, R.K. Phebus, D.L. Lambert, S.P. Montgomery, T.B. Farran, H.J. LaBrune, R.D. Hunter, J.J. Higgins, R.T. Ethington
J. of Animal Science, 80(12):3328-3335, 2002
- 02-269-J Effects of maillard reaction products on ruminal and fecal acid-resistant *Escherichia coli*, total coliforms, VFA profiles and pH
J.J. Sindt, J.S. Drouillard, H. Thippareddi, R.K. Phebus, C.M. Coetzer, K.D. Kerr, D.L. Lambert, T.B. Farran, S.P. Montgomery, H.J. LaBrune
J. of Applied and Environmental Microbiology, 82(4):1170-1176, 2004
- 02-270-J Wet corn gluten feed and alfalfa hay combinations in steam-flaked corn finishing diets fed to cattle
J.J. Sindt, J.S. Drouillard, E.C. Titgemeyer, S.P. Montgomery, C.M. Coetzer, T.B. Farran, J.N. Pike, J.J. Higgins, R.T. Ethington
J. of Animal Science, 81(12):2121-3129, 2003

- 02-277-B Mass spectroscopy
J.S. Smith, R. Thakur
In: Food analysis, 3rd ed., S. Nielson (Ed.).
Springer, pp. 51-64, 2003
- 02-278-B Evaluation of analytical data
J.S. Smith
In: Food analysis, 3rd ed., S. Nielson (Ed.).
Springer, pp. 423-436, 2003
- 02-325-J Evaluation of methods to reduce bacteria
concentrations in spray-dried animal plasma
and its effects on nursery pig performance
J.M. DeRouche, M.D. Tokach, J.L.
Nelssen, R.G. Goodband, S.S. Dritz, J.C.
Woodworth, B.W. James, M.J. Webster,
C.W. Hastad
J. of Animal Science, 82:250-261, 2004
- 02-338-J Feed manufacture and feeding of rations
with graded levels of added moisture
formulated to different energy densities
J.S. Moritz, K.R. Cramer, K.J. Wilson, R.S.
Beyer
J. of Applied Poultry Research, 12:371-381,
2003
- 02-345-J Chilling and cooking rate effects on some
myofibrillar determinants of tenderness of
beef
D.A. King, M.E. Dikeman, T.L. Wheeler,
C.L. Kastner, M. Koochmaria
J. of Animal Science, 81:1473-1481, 2003
- 02-358-J Interactive effects between ractopamine
hydrochloride and dietary lysine on
finishing pig growth performance, carcass
characteristics, pork quality, and tissue
accretion
M.J. Webster, R.D. Goodband, M.D.
Tokach, J.L. Nelssen, S.S. Dritz, J.A. Unruh,
D.E. Real, J.M. DeRouche, J.C.
Woodworth, T.A. Marsteller
The Professional Animal Scientist, 23:597-
611, 2007
- 02-370-J Effect of forage quality on digestion and
performance responses of cattle to
supplementation with cooked molasses
blocks
E.C. Titgemeyer, J.S. Drouillard, R.H.
Greenwood, J.W. Ringler, D.J. Bindel, R.D.
Hunter, T. Nutsch
J. of Animal Science, 82:487-494, 2004
- 02-376-J Control of *Clostridium perfringens*
germination and outgrowth by buffered
sodium citrate during chilling of roast beef
and injected pork
H. Thippareddi, V.K. Juneja, R.K. Phebus,
J.L. Marsden, C.L. Kastner
J. of Food Protection, 66:376-381, 2003
- 02-379-J Validation of a traditional Italian-style
salami manufacturing process for control of
Salmonella and *Listeria monocytogenes*
K.K. Nightingale, H. Thippareddi, R.K.
Phebus, J.L. Marsden, C.L. Kastner
J. of Food Protection, 69:794-800, 2006
- 02-400-J Rheological properties of selected gum
solutions
E.I. Yaseen, T.J. Herald
Food Research International, 38:111-119,
2005
- 02-444-A Characterization of volatile organic
compounds in airborne dust
E.B. Razote, R.G. Maghirang, L.M. Seitz,
I.J. Jeon
Proceedings of the ASAE Annual
International Meeting, 2002
- 02-453-J Effect of sorghum-based diets subjected to
various manufacturing procedures on broiler
performance
K.R. Cramer, K.J. Wilson, J.S. Moritz, R.S.
Beyer
J. of Applied Poultry Research, 12:404-410,
2003
- 02-473-J Use of organic acids for the control of
Clostridium perfringens in cooked vacuum-
packaged restructured roast beef during an
alternative cooling procedure
J.R. Sabah, H. Thippareddi, J.L. Marsden,
D.Y.C. Fung
J. of Food Protection, 66(8):1408-1412,
2003
- 02-474-J Function modification of vital wheat gluten
with corn syrup using hydrothermal
treatment
H. Singh, F. MacRitchie, M.R. Roth, Y.
Kim, R.L. Madl, T.J. Herald
J. of the Science of Food and Agriculture,
86(2):251-257, 2005

- 02-482-J Effects of high feed intake during early gestation on sow performance and offspring growth and carcass characteristics
R.E. Musser, D.L. Davis, M.D. Tokach, J.L. Nelssen, S.S. Dritz, R.D. Goodband
Animal Feed Science and Technology, 127:187-199, 2006
- 02-483-J Additional L-carnitine in the gestating sow diet alters muscle development and improves carcass characteristics of the offspring
R.E. Musser, S.S. Dritz, D.L. Davis, M.D. Tokach, J.L. Nelssen, R.D. Goodband, K.Q. Owen
J. of Applied Animal Research, 31:105-111, 2007
- 02-485-J Conceptus and maternal responses to increased feed intake during early gestation in pigs
R.E. Musser, D.L. Davis, S.S. Dritz, M.D. Tokach, J.L. Nelssen, J.E. Minton, R.D. Goodband
J. of Animal Science, 82:3154-3161, 2004
- 03-34-J In situ investigation of the calcium-induced proteolytic and salting-in mechanisms causing tenderization in calcium-enhanced muscle
T.E. Lawrence, M.E. Dikeman, J.W. Stephens, E. Obuz, J.R. Davis
Meat Science, 66(1):69-75, 2004
- 03-46-J Effects of enhancing beef *longissimus* with phosphate plus salt, or calcium lactate plus non-phosphate water binders plus rosemary extract
T.E. Lawrence, M.E. Dikeman, M.C. Hunt, C.L. Kastner, D.E. Johnson
Meat Science, 67(1):129-137, 2004
- 03-64-J Detection of *E. coli* O157:H7 in cattle feces using a PCR-based fluorogenic 5' nuclease (TaqMan) detection assay after secondary enrichment
R.D. Oberst, M.P. Hays, L.K. Bohra, R.K. Phebus, R. Green, J.M. Sargeant, K. Mena, J.R. Gillespie
J. of Veterinary Diagnostic Investigation, 15:543-552, 2003
- 03-79-J Dry-matter yields and crude protein and rumen-degradable protein concentrations of three *Arachis pintoi* ecotypes at different stages of regrowth in the humid tropics
M. Villareal, R.C. Cochran, L. Villalobos, A. Rojas-Bourillon, R. Rodriguez, T.A. Wickersham
Grass and Forage Science, 60:237-243, 2005
- 03-131-J Antimicrobial activities of spices
E. Ceylan, D.Y.C. Fung
J. of Rapid Methods and Automation in Microbiology, 12(1):1-56, 2004
- 03-133-J Effects of rancidity and free fatty acids in choice white grease on growth performance and nutrient digestibility in weanling pigs
J.M. DeRouchey, J.D. Hancock, R.H. Hines, C.A. Maloney, D.J. Lee, H. Cao, D.W. Dean, J.S. Park
J. of Animal Science, 82:2937-2944, 2004
- 03-142-J A modified microtiter count method for viable cell counts from pure cultures and meat products
S. Kim, D.Y.C. Fung
Food Microbiology, 22:595-599, 2005
- 03-164-J Carbon monoxide in modified atmosphere packages affects color, shelf-life, and microbiology of beef steaks and ground beef
M.C. Hunt, R.A. Mancini, K.A. Hachmeister, D.H. Kropf, M. Merriman, G. DelDuca, G. Milliken
J. of Food Science, 69(1):45-52, 2004
- 03-169-J Influence of dietary L-carnitine and (or) chromium picolinate on blood hormones and metabolites of gestating sows fed one meal per day
J.C. Woodworth, M.D. Tokach, J.L. Nelssen, R.D. Goodband, S.S. Dritz, S.I. Koo, J.E. Minton, K.Q. Owen
J. of Animal Science, 85:2524-2537, 2007
- 03-217-J Comparison of three methods of feeding sows in gestation, and the subsequent effects on lactation performance
M.G. Young, M.D. Tokach, F.X. Ahern, R.G. Main, S.S. Dritz, R.D. Goodband, J.L. Nelssen
J. of Animal Science, 82:3058-3069, 2004
- 03-230-J Consumers' perceptions of irradiated ground beef after education and product exposure
L.S. Hamilton Zienkewicz, K.P. Penner
Food Protection Trends, 24:740-745, 2004

- 03-231-J Effect of supplementation frequency and supplemental urea level on forage use and parturition performance of beef cattle consuming dormant, tallgrass-prairie forage
C.G. Farmer, B.C. Woods, R.C. Cochran, J.S. Heldt, C.P. Mathis, K.C. Olson, E.C. Titgemeyer, T.A. Wickersham
J. of Animal Science, 82:884-894, 2004
- 03-232-J Effect of protein supplementation frequency on forage use, nitrogen balance, ruminal nitrogen metabolism, and ruminal VFA of beef cattle consuming low-quality, tallgrass-prairie forage
C.G. Farmer, R.C. Cochran, T.G. Nagaraja, E.C. Titgemeyer, T.A. Wickersham
J. of Animal Science, 82:895-903, 2004
- 03-243-J Effectiveness of select synch (gonadotropin-releasing hormone and prostaglandin F_{2α}) for synchronizing estrus in replacement beef heifers
G.C. Lamb, J.A. Cartmill, J.S. Stevenson
The Professional Animal Scientist, 20:27-33, 2004
- 03-277-J Effects of soybean meal source and level on growth performance of nursery pigs
K.R. Lawrence, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.M. DeRouchey, C.W. Hastad
The Professional Animal Scientist, 20:237-243, 2004
- 03-297-J Effect of type of supplemental carbohydrate and source of supplemental rumen degradable protein on low-quality forage utilization by beef steers
J.I. Arroquy, R.C. Cochran, T.A. Wickersham, D.A. Llewellyn, E.C. Titgemeyer, T.G. Nagaraja, D.E. Johnson
Animal Feed Science and Technology, 115:247-263, 2004
- 03-299-J Evaluation of beauvericin toxicity with the bacterial bioluminescence assay and the Ames mutagenicity bioassay
J. Fotso, J.S. Smith
J. of Food Science, 68:1938-1941, 2003
- 03-311-J Grazing management effects on plant species diversity in tallgrass prairie
K. Hickman, D. Hartnett, R. Cochran, C. Owensby
J. of Range Management, 57:58-65, 2004
- 03-315-J Pregnancy in dairy cows after synchronized ovulation regimens with or without presynchronization and progesterone
S.Z. El-Zarkouny, J.A. Cartmill, B.A. Hensley, J.S. Stevenson
J. of Dairy Science, 87:1024-1037, 2004
- 03-326-J Vegetation trends in tallgrass prairie from bison and cattle grazing
E.G. Towne, D.C. Hartnett, R.C. Cochran
Ecological Applications, 15:1550-1559, 2005
- 03-331-J Simultaneous recovery and detection of four heat-injured foodborne pathogens in ground beef and milk by a four-compartment thin agar plate
V.C.H. Wu, D.Y.C. Fung
J. of Food Science, 68(2):646-648, 2005
- 03-332-J An improved method for iso-grid hydrophobic grid membrane filter (HGMF) system to detect heat-injured foodborne pathogens in ground beef
V.C.H. Wu, D.Y.C. Fung
J. of Food Science, 69(3):85-89, 2004
- 03-333-J Evaluation of a 5'-nuclease (TaqMan) assay with the thin agar layer oxyrase method for the detection of *Yersinia enterocolitica* in ground pork samples
V.C.H. Wu, D.Y.C. Fung
J. of Food Protection, 67(2):271-277, 2004
- 03-334-J Characterization of volatile of organic compounds on airborne dust in a swine finishing barn
E.B. Razote, R.G. Maghirang, L.M. Seitz, I.J. Jeon
Transactions of the ASAE, 47:1231-1238, 2004
- 03-341-J Dietary L-carnitine increases plasma leptin concentrations of gestating sows fed one meal per day
J.C. Woodworth, J.E. Minton, M.D. Tokach, J.L. Nelssen, R.D. Goodband, S.S. Dritz, S.I. Koo, K.Q. Owen
Domestic Animal Endocrinology, 26(1):1-9, 2004
- 03-342-J Comparison of wheat gluten and spray-dried animal plasma in diets for nursery pigs
K.R. Lawrence, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.M. DeRouchey, S.M. Hanni, M.R. Barker
J. of Animal Science, 82:3635-3645, 2004

- 03-352-J Time course of changes in growth factor mRNA levels in muscles of steroid-implanted and non-implanted steers
M.S. Pampusch, B.J. Johnson, M.E. White, M.R. Hathaway, J.D. Dunn, A.T. Waylan, W.R. Dayton
J. of Animal Science, 81:2733-2740, 2003
- 03-355-J Effects of flax supplementation and a combined trenbolone acetate and estradiol implant on circulating insulin-like growth factor-1 (IGF-1) and muscle IGF-1 mRNA levels and satellite cell activity in beef cattle
J.D. Dunn, B.J. Johnson, J.P. Kayser, A.T. Waylan, E.K. Sissom, J.S. Drouillard
J. of Animal Science, 81:3028-3034, 2003
- 03-360-J Antimicrobial activity and synergistic effect of cinnamon with sodium benzoate and potassium sorbate in controlling *Escherichia coli* O157:H7
E. Ceylan, D.Y.C. Fung, J.R. Sabah
J. of Food Science, 69(3):85-89, 2004
- 03-364-J Effect of supplemental types of non-fiber carbohydrate and level of rumen degradable protein on intake and digestion of low-quality grass hay by beef cattle
J.I. Arroquy, R.C. Cochran, M. Villarreal, T.A. Wickersham, D.A. Llewellyn, E.C. Titgemeyer, T.G. Nagaraja, D.E. Johnson, D. Gnad
Animal Feed Science and Technology, 115:83-99, 2004
- 03-366-J Fertilization and blastocyst development in oocytes obtained from prepubertal and adult pigs
E.S. Sherrer, T.J. Rathbun, D.L. Davis
J. of Animal Science, 82:102-108, 2004
- 03-371-A Endpoint temperature, cooking method, and marbling degree affect Warner-Bratzler shear force of beef longissimus lumborum, biceps femoris and deep pectoralis muscles differently
E. Obuz, M.E. Dikeman, J.P. Grobbel, J.W. Stephens, T.M. Loughin
Proceedings of the 49th International Congress of Meat Science and Technology Campinas, Brazil; *Brazilian J. of Food Technology*, special issue, 49:171-172, 2003
- 03-377-J Stimulating undergraduates to pursue a career in meat science
M.C. Hunt, J.E. Young
Brazilian J. of Food Technology, 6(Special):140-147, 2003
- 03-379-J Changes in circulating insulin-like growth factor-1, insulin-like growth factor binding proteins, and leptin in weaned pigs infected with *Salmonella enterica* serovar Typhimurium
N. Jenkins, J. Turner, S. Dritz, S. Durham, J.E. Minton
Domestic Animal Endocrinology, 26(1):49-60, 2004
- 03-381-A Metabolic modifiers and genetics: Effects on carcass traits and meat quality
M.E. Dikeman
Proceedings of the 49th International Congress of Meat Science and Technology Campinas, Brazil; *Brazilian J. of Food Technology*, special issue, 49:1-38, 2003
- 03-385-B Ice cream
K. Schmidt
In: *Food processing: Principles and applications*, J.S. Smith, Y.H. Hui (Eds.). Ames, IA: Blackwell Publishing, pp. 287-297, 2004
- 03-388-J The effect of early calf weaning on feed intake, growth, and postpartum interval in thin, Brahman-crossbred primiparous cows
J.D. Arthington, J.E. Minton
The Professional Animal Scientist, 20:34-38, 2004
- 03-389-J Characterization of bostrycoidin: An analytical analog of zearalenone
J.S. Smith, J. Fotso, J.F. Leslie, X. Wu, D. Vandervelde, R.A. Thakur
J. of Food Science, 69:227-232, 2004
- 03-406-J Effect of types of non-fiber carbohydrate on in vitro forage fiber digestion of low-quality grass hay
J.I. Arroquy, R.C. Cochran, T.G. Nagaraja, E.C. Titgemeyer, D.E. Johnson
Animal Feed Science and Technology, 120:93-106, 2005
- 03-412-J Increasing weaning age improves pig performance in a multi-site production system
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
J. of Animal Science, 82:1499-1508, 2004

- 03-414-J Influence of quality grade, aging period, blade tenderization, and endpoint temperature on cooking characteristics and tenderness of beef *gluteus medius* steaks
C.D. George-Evins, J.A. Unruh, A.T. Waylan, J.L. Marsden
J. of Animal Science, 82:1863-1867, 2004
- 03-423-S Agronomy field research 2003
L.D. Maddux, S. Staggenborg, K.A. Janssen, D.A. Whitney, G.M. Pierzynski, J.L. Moyer, C.M. Taliaferro, W.B. Gordon, M.M. Claassen, G.E. Wilde, K.L. Roozeboom, D.L. Fjell, D.L. Regehr, R.E. Lamond, R. Aiken, L.D. Charlet, R.D. Stockton, M. Tuinstra, K. Kofoid, V.L. Martin, R. Hale, D. Blasi, W.F. Heer, R.R. Janke, S.R. Duncan, D. O'Brien, D. Belshe, D.E. Peterson, T.M. Maxwell
KS Agric. Exp. Stn. Report of Progress 913, Jan. 2004
- 03-424-J Ability of cyclodextrins to entrap volatile beany flavor compounds in soymilk
L.L.I. Suratman, I.J. Jeon, K.A. Schmidt
J. of Food Science, 69(4):FCT109-FCT113, 2004
- 03-425-J Response of lactating dairy cows to diets containing wet corn gluten feed or a raw soybean hull-corn steep liquor pellet
E.E. Ferdinand, J.E. Shirley, E.C. Titgemeyer, M.J. Brouk, J.M. DeFrain, A.F. Park, D.E. Johnson, R.T. Ethington
J. of Dairy Science, 87:3899-3911, 2004
- 03-427-J Beef longissimus lumborum, biceps femoris and deep pectoralis Warner-Bratzler shear force are affected by endpoint temperature, cooking method, and USDA quality grade
E. Obuz, M.E. Dikeman, J.P. Grobbel, J.W. Stephens, T.M. Loughin
Meat Science, 68:243-248, 2004
- 04-016-J Effect of dietary mannanoligosaccharide and sodium chlorate on the growth performance, acute phase response and bacterial shedding of weaned pigs challenged with *Salmonella enterica* serotype Thyphimurium
T.E. Burkey, S.S. Dritz, J.C. Nietfeld, B.J. Johnson, J.E. Minton
J. of Animal Science, 82:397-404, 2004
- 04-019-J Effects of ammonia load on methionine and leucine utilization by growing steers
M.S. Awawdeh, E.C. Titgemeyer, K.C. Candler, D.P. Gnad
J. of Animal Science, 82:3537-3542, 2004
- 04-020-J Influence of feed form on dietary lysine and energy intake and utilization of broilers from 14 to 30 days of age
M.W. Greenwood, K.R. Cramer, P.M. Clark, N.J. Bingaman, R.S. Beyer
International J. of Poultry Science, 3(3):189-194, 2004
- 04-024-J Comparison of the pulsifier and the stomacher on recovering microorganisms in vegetables
V.C.H. Wu, P. Jitareerat, D.Y.C. Fung
J. of Rapid Methods and Automation in Microbiology, 11(2):145-152, 2003
- 04-034-J Histidine utilization by growing steers is not negatively impacted by increased supply of either ammonia or amino acids
K.C. Candler, E.C. Titgemeyer, M.S. Awawdeh, D.P. Gnad
J. of Animal Science, 82:759-769, 2004
- 04-042-J Effects of weaning age on growing-pig costs and revenue in a multi-site production system
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
J. of Swine Health and Production, 13:189-197, 2005
- 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
- 04-044-J Effects of weaning age on post-weaning belly nosing behavior and umbilical lesions in a multi-site production system
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
J. of Swine Health and Production, 13:259-264, 2005
- 04-046-J Mechanical probes can predict tenderness of cooked beef longissimus using uncooked measurements
J.W. Stephens, J.A. Unruh, M.E. Dikeman, M.C. Hunt, T.E. Lawrence, T.M. Loughlin
J. of Animal Science, 82:2077-2086, 2004

- 04-055-J Premature browning in steaks from enhanced beef round muscles packaged in high- and ultra-low oxygen modified atmospheres
M.A. Seyfert, M.C. Hunt, R.A. Mancini, D.H. Kropf, S.L. Stroda
J. of Food Science, 69(2):142-146, 2004
- 04-064-J Effect of flax supplementation and growth promotants on lipoprotein lipase and glycogenin messenger RNA concentrations in finishing cattle
A.T. Waylan, J.D. Dunn, B.J. Johnson, J.P. Kayser, E. K. Sissom
J. of Animal Science, 82:1868-1875, 2004
- 04-080-J Effect of postruminal protein supply on the response to ruminal protein supplementation in beef steers fed a low-quality grass hay
T.A. Wickersham, R.C. Cochran, E.C. Titgemeyer, C.G. Farmer, E.A. Klevesahl, J.I. Arroquy, D.E. Johnson, D.P. Gnad
Animal Feed Science and Technology, 115:19-36, 2004
- 04-093-J Physical and sensory characteristics of no-sugar-added/low-fat muffin
H.A. Khouryieh, F.M. Aramouni, T.J. Herald
J. of Food Quality, 28:439-451, 2005
- 04-094-J Physical, chemical and sensory properties of sugar-free jelly
H.A. Khouryieh, F.M. Aramouni, T.J. Herald
J. of Food Quality, 28:179-190, 2005
- 04-113-J Rapid protocol (5.25 hr) for the detection of *Escherichia coli* O157:H7 in raw ground beef by an immuno-capture system (Pathatrix) in combination with Colortix, and CT-SMAC
V.C.H. Wu, V. Gill, D.Y.C. Fung, R. Oberst, R. Phebus
J. of Rapid Methods and Automation in Microbiology, 12(1):57-67, 2004
- 04-117-J Effectiveness of laboratory-scale vertical tower static chamber steam pasteurization unit against *Escherichia coli* O157:H7, *Salmonella typhimurium*, and *Listeria innocua* on prerigor beef tissue
D.D. Retzlaff, R.K. Phebus, A.L. Nutsch, J. Riemann, C.L. Kastner, J. Marsden
J. of Food Protection, 67:1630-1633, 2004
- 04-119-J Establishment of minimum operational parameters for a high-volume static chamber steam pasteurization system (SPS 400-SC) for beef carcasses to support HACCP programs
D.D. Retzlaff, R.K. Phebus, C.L. Kastner, J. Marsden
Foodborne Pathogens and Disease, 2:794-800, 2006
- 04-123-J Effect of spices and organic acids on the growth of *Clostridium perfringens* during cooling of cooked ground beef
J.R. Sabah, V.K. Juneja, D.Y.C. Fung
J. of Food Protection, 67(9):1840-1847, 2004
- 04-124-J Chalk culture method for preserving bacterial cultures and its applications
H. Liu, D.Y.C. Fung, C. Hoffmans
J. of Rapid Methods and Automation in Microbiology, 11(3):163-224, 2003
- 04-129-S Dairy day 2003
J.S. Stevenson, J.D. Olson, M.J. Brouk, J.F. Smith, J.P. Harner, A.K. Hammond, W.F. Miller, A.F. Park, B.M. Rosario, L. McVay, F. Aramouni, K.A. Schmidt, E.L. Burkitt, J.E. Shirley, M.V. Scheffel, E.C. Titgemeyer, J.R. Roberson, M.V. Burgos, M.A. Portaluppi
KS Agric. Exp. Stn. Report of Progress 919, Nov. 2003
- 04-130-S Swine day 2003
R.D. Goodband, A.T. Waylan, B.J. Johnson, J.P. Kayser, D.P. Gnad, J.D. Dunn, E.K. Sissom, J.J. Higgins, J.C. Woodworth, M.G. Young, M.D. Tokach, J. Noblet, F.X. Aherne, S.S. Dritz, J.L. Nelssen, J. van Milgen, R.G. Main, E.C. Baudon, J.D. Hancock, J.M. DeRouchey, J.L. Usry, M.U. Steidinger, N.A. Lenehan, C.W. Hastad, M.R. Barker, N.Z. Frantz, C.N. Groesbeck, B.W. James, T.P. Keegan, K.R. Lawrence, N. Llanes, T. Iwasawa, C.W. Hasted, C.L. Jones, C.W. Starkey, J.C. Nietfeld, J.E. Minton, K.M. Bond, D.J. Lee, T.E. Burkey, S.M. Hanni, J.W. Homm, J.A. Unruh, R.C. Johnson
KS Agric. Exp. Stn. Report of Progress 920, Nov. 2003

- 04-152-J Beef knuckle hot boning, high- and ultra-low oxygen modified atmosphere packaging, and injection enhancement influence properties of beef round muscles
M. Seyfert, M.C. Hunt, R.A. Mancini, K.A. Hachmeister, D.H. Kropf, J.A. Unruh
J. of Animal Science, 83:686-692, 2005
- 04-153-J Accelerated chilling, high- and ultra-low oxygen modified atmosphere packaging, and injection enhancement affect color and color stability of beef round muscles
M. Seyfert, M.C. Hunt, R.A. Mancini, K.A. Hachmeister, D.H. Kropf, J.A. Unruh
Meat Science, 68(2):209-219, 2004
- 04-159-J The utility of lactate and rosemary in beef enhancement solutions: Effects of *longissimus* color changes during display
R.A. Mancini, M.C. Hunt, K.A. Hachmeister, M. Seyfert, D.H. Kropf, D.E. Johnson, S. Cusick, C. Morrow
J. of Muscle Foods, 16:27-36, 2005
- 04-164-J Methods to reduce or eliminate detection of estrus in a melengestrol acetate PGF_{2α} protocol for synchronization of estrus in beef heifers
S.K. Johnson, M.L. Day
J. of Animal Science, 82:332-342, 2004
- 04-168-J Ascorbic acid minimizes lumbar vertebrae discoloration
R.A. Mancini, M.C. Hunt, K.A. Hachmeister, D.H. Kropf, D.E. Johnson
Meat Science, 68(3):339-345, 2004
- 04-169-J A research note - Effects of endpoint temperature, pH, and storage time on cooked internal color of pork *longissimus* chops
R.A. Mancini, D.H. Kropf, M.C. Hunt, D.E. Johnson
J. of Muscle Foods, 16(1):16-26, 2005
- 04-175-J Antibacterial effect of water-soluble arrowroot (*Puerariae radix*) tea extracts on foodborne pathogens in ground beef and mushroom soup
S. Kim, D.Y.C. Fung
J. of Food Protection, 67(9):1953-1956, 2004
- 04-176-J Antibacterial effect of water-soluble arrowroot (*Puerariae radix*) tea extracts on foodborne pathogens in liquid medium
S. Kim, D.Y.C. Fung
Letters in Applied Microbiology, 39(4):319-325, 2004
- 04-177-J Antibacterial effect of water-soluble tea extracts on foodborne pathogens in laboratory medium and in a food model
S. Kim, C. Ruengwilysup, D.Y.C. Fung
J. of Food Protection, 67(11):2608-2612, 2004
- 04-184-J Influence of Carnichrome on the energy balance of gestating sows
M.G. Young, M.D. Tokach, J. Noblet, F.X. Aherne, S.S. Dritz, R.D. Goodband, J.L. Nelssen, J. van Milgen, J.C. Woodworth
J. of Animal Science, 82:2013-2022, 2004
- 04-186-J Effects of increasing lysine:calorie ratio and dietary fat addition for growing finishing pigs reared in a commercial environment: II. Modeling lysine:calorie ratio requirements using protein and lipid accretion curves
M. De La Llata, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
The Professional Animal Scientist, 23:429-437, 2007
- 04-187-J Effects of increasing lysine:calorie ratio and dietary fat addition for growing finishing pigs reared in a commercial environment: I. Growth performance and carcass characteristics
M. De La Llata, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
The Professional Animal Scientist, 23:417-428
- 04-188-J Effects of increasing calcium:phosphorus ratio in diets containing phytase on growth performance on finishing pig growth performance
S.M. Hanni, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.M. DeRouchey, J.L. Nelssen
J. of Animal Science, 21:59-65, 2005
- 04-208-J The effects of poultry meal source and ash level on nursery pig performance
T.P. Keegan, J.M. DeRouchey, J.L. Nelssen, M.D. Tokach, R.D. Goodband, S.S. Dritz
J. of Animal Science, 82:2750-2756, 2004
- 04-222-J A comparison in the composition of recovered meat produced from beef neckbones processed using hand boning, a traditional advanced meat recovery (AMR) system, and a desinewated minced meat system
A.L. Bickford, J.S. Smith, J.L. Marsden, D.H. Kropf, G.A. Milliken
Meat Science, 77:602-607, 2007

- 04-233-J Resynchronizing estrus with progesterone or progesterone plus estrogen in cows of unknown pregnancy status
S. Z. El-Zarkouny, J.S. Stevenson
J. of Dairy Science, 87:3306-3321, 2004
- 04-237-J Effect of sow parity and weight at service on target maternal weight and energy for gain in gestation
M.G. Young, M.D. Tokach, F.X. Aherne, R.G. Main, S.S. Dritz, R.D. Goodband, J.L. Nelssen
J. of Animal Science, 83:255-261, 2005
- 04-242-S Cattlemen's day 2004
L.C. Hollis, J.E. Larson, G.C. Lamb, T.W. Geary, J.S. Stevenson, S.K. Johnson, M.L. Day, D.J. Kesler, J.M. DeJarnette, D.G. Landblom, D. Whittier, T.W. Marston, F.N. Schrick, J.D. Areseneau, A.W. Thompson, D.R. Eborn, L.D. Keenan, D.M. Grieger, K. Harmony, T.T. Marston, M. Sanderson, P. Chenoweth, D.A. Llewellyn, B.T. Gray, C.A. Bandyk, V.L. Martin, R. Hale, E.A. Elwakeel, E.C. Titgemeyer, J.S. Drouillard, B.J. Johnson, M.S. Awawdeh, K.C. McCuistion, D.P. Gnad, G.F. Schroeder, S.P. Montgomery, J.J. Sindt, M.A. Greenquist, W.F. Miller, J.N. Pike, E.J. Good, E.R. Loe, M.J. Sulpizio, T.J. Kessen, B.E. Depenbusch, B. Dicke, G.E. Erickson, T.J. Klopfenstein, R.T. Botts, P.T. Anderson, F.N. Owens, C.D. Lee, G.L. Bishop, J.R. Brethour, M.P. Epp, D.A. Blasi, J.P. Kayser, E.A. Koch, R.M. Breiner, J.A. Christopher, J.A. Unruh, B.B. Barnhardt, G.L. Stokka, G. Palmer, J.T. Fox, M.F. Spire, N.A. Lenehan, J.M. DeRouchey, M.L. Christian, G.L. Marchin, J.W. Homm, E. Obuz, J.W. Stephens, M.E. Dikeman, J.P. Grobbel, T.M. Loughin, G.A. Milliken, E.J. Yancey
KS Agric. Exp. Stn. Report of Progress 923, Mar. 2004
- 04-248-J Comparison of yellow dent and NutriDense corn hybrids for swine diets
C.W. Hastad, M.D. Tokach, R.D. Goodband, J.L. Nelssen, S.S. Dritz, J.J. DeRouchey, C.L. Jones
J. of Animal Science, 83:2624-2631, 2005
- 04-261-J Effects of L-carnitine on fetal growth and the IGF system in pigs
A.T. Waylan, B.J. Johnson, J.P. Kayser, D.P. Gnad, J.J. Higgins, J.D. Starkey, E.K. Sissom, J.C. Woodworth
J. of Animal Science, 83:1824-1831, 2005
- 04-287-J Ruminant ammonia load affects leucine utilization by growing steers
M.S. Awawdeh, E.C. Titgemeyer, K.C. McCuistion, D.P. Gnad
J. of Animal Science, 82:2448-2454, 2005
- 04-289-J Effects of wet corn gluten feed and intake level on diet digestibility and ruminal passage rate in steers
S.P. Montgomery, J.S. Drouillard, E.C. Titgemeyer, J.J. Sindt, T.B. Farran, J.N. Pike, C.M. Coetzer, A.M. Trater, J.J. Higgins
J. of Animal Science, 82(12):3526-3536, 2004
- 04-290-J Effects of dried full-fat corn germ and vitamin E on performance and carcass characteristics of finishing cattle
S.P. Montgomery, J.S. Drouillard, J.J. Sindt, M.A. Greenquist, B.E. Depenbusch, E.J. Good, E.R. Loe, M.J. Sulpizio, T.J. Kessen, R.T. Ethington
J. of Animal Science, 83:2440-2447, 2005
- 04-292-J Use of estradiol cypionate as a substitute for GnRH in an ovsynch-like protocol for synchronization of ovulation in dairy cattle
J.S. Stevenson, S.M. Tiffany, M.C. Lucy
J. of Dairy Science, 87:3298-3305, 2004
- 04-297-J Yeasts and moulds
D.Y.C. Fung
In: Encyclopedia of meat sciences: Microbiological safety of meat, M. Dikeman (Ed.). pp. 835-846, 2004
- 04-333-J Profiles of individual fatty acids released from milk fat by lipoprotein lipase and lipolytic psychrotrophs
G.C. Ouattara, I.J. Jeon, R.A. Hart-Thakur, K.A. Schmidt
J. of Food Science, 69(8):C659-C664, 2004
- 04-370-J Influence of feed form on estimated digestible lysine needs of male broilers from 16 to 30 days of age
M.W. Greenwood, K.R. Kramer, P.M. Clark, K.C. Behnke, R.S. Beyer
J. of Applied Poultry Science, 14:130-135, 2004
- 04-376-J Effect of feed fines level on broilers fed two concentrations of dietary lysine from 14 to 30 days of age
M.W. Greenwood, P.M. Clark, R.S. Beyer
International J. of Poultry Science, 3(7):446-449, 2004

- 04-390-J Internal premature browning in cooked ground beef patties from high-oxygen modified atmosphere packaging
M. Seyfert, R.A. Mancini, M.C. Hunt
J. of Food Science, 69(2):721-725, 2004
- 04-392-J Characterization of bovine cDNA encoding triggering receptor expressed on myeloid cells I (TREM-1)
B. Ramanathan, J.E. Minton, C.R. Ross, F. Blecha
Veterinary Immunology and Immunopathology, 102(1-2):85-89, 2004
- 04-400-J Resynchronizing estrus and ovulation after not-pregnant diagnosis and various ovarian states including cysts
J.S. Stevenson, S.M. Tiffany
J. of Dairy Science, 87:3658-3664, 2004
- 04-402-J Mutagenicity and acute toxicity evaluation of 2-dodecylcyclobutanone
P. Gadgil, J.S. Smith
J. of Food Science, 69:C713-C716, 2004
- 04-404-J Exclusion of oxygen from modified-atmosphere packages limits beef rib and lumbar vertebrae marrow discoloration during display and storage
R.A. Mancini, M.C. Hunt, K.A. Hachmeister, D.H. Kropf, D.E. Johnson
Meat Science, 69(3):493-500, 2005
- 04-407-J Relationships among Charolais sire expected progeny differences and progeny performance in commercial beef herds
S.C. Clark, D.W. Moser, R.E. Williams
The Professional Animal Scientist, 20:503-505, 2004
- 04-414-J Effect of supplementation with pelleted citrus pulp on digestibility and intake in beef cattle fed a tropical grass-based diet (*Cynodon nlemfuensis*)
M. Villarreal, R. Cochran, A. Rojas-Bourrillon, O. Murillo, H. Munoz
Animal Feed Science and Technology, 125:163-173, 2006
- 04-422-J Phenotypic ranges and relationships among carcass and meat palatability traits for fourteen cattle breeds and heritabilities and expected progeny differences for Warner-Bratzler shear force in three beef cattle breeds
M.E. Dikeman, E.J. Pollak, Z. Zhang, D. Moser, C. Gill, E.A. Dressler
J. of Animal Science, 83:2461-2467, 2005
- 04-436-J Cloning of porcine triggering receptor expressed on myeloid cells-1 (TREM-1) and its induction by lipopolysaccharide, peptoglycan, and *Salmonella enterica* serovar Typhimurium infection
B. Ramanathan, J.E. Minton, C.R. Ross, F. Blecha
Developmental and Comparative Immunology, 29(1):1-7, 2005
- 04-440-J Effects of in-feed antimicrobial alternatives and antimicrobials on nursery pig performance and weight variation
T.P. Keegan, S.S. Dritz, J.L. Nelssen, J.M. DeRouchey, M.D. Tokach, R.D. Goodband
J. of Swine Health and Production, 13:12-18, 2005
- 04-442-J Inseminations at estrus induced by presynchronization before application of synchronized estrus and ovulation
J. S. Stevenson, A.P. Phatak
J. of Dairy Science, 88:399-405, 2005
- 04-446-J Effects of ractopamine HCl on growth performance and within-pen weight variation in finishing pigs
M.R. Barker, S.S. Dritz, M.D. Tokach, R.D. Goodband, C.N. Groesbeck
J. of Swine Health and Production, 13:318-321, 2005
- 04-447-J Concentration of fecal bacteria and nutrients in soil surrounding round-bale feeding sites
N.A. Lenehan, J.M. DeRouchey, T.T. Marston, G.L. Marchin
J. of Animal Science, 83:1673-1679, 2005
- 05-6-J Flavor characterization of top-blade, top-sirloin, and tenderloin steaks as affected by pH, maturity, and marbling
E.J. Yancey, M.E. Dikeman, K.A. Hachmeister, E. Chambers, IV, G.A. Milliken
J. of Animal Science, 83:2618-2623, 2005
- 05-11-J Quality of coffee creamers as a function of protein source
A.E. Golde, K.A. Schmidt
J. of Food Quality, 28(1):46-61, 2005
- 05-26-J PVD9902, a porcine vas deferens epithelial cell line that exhibits neurotransmitter-stimulated anion secretion and expresses numerous HCO₃⁻ transporters
R. Carlin, R.L. Sedlacek, R.R. Quesnell, D. Greiger, F. Pierucci-Alves, B.D. Schultz
American J. of Physiology–Cell Physiology, 290(6):C1560-1571, 2006

- 05-35-J Effects of choline on blood metabolites associated with lipid metabolism and digestion in steers fed corn-based diets
D.J. Bindel, E.C. Titgemeyer, J.S. Drouillard, S.E. Ives
J. of Animal Science, 83:1625-1632, 2005
- 05-41-J Evaluation of 2-dodecylcyclobutanone as an irradiation dose indicator in fresh irradiated ground beef
P. Gadgil, J.S. Smith, K.A. Hachmeister, D.H. Kropf
J. of Agricultural and Food Chemistry, 53:1890-1893, 2005
- 05-59-J Interactive responses in gut immunity, and systemic and local changes in the IGF system in nursery pigs in response to *Salmonella enterica* serovar Typhimurium
B. J. Johnson, S.S. Dritz, K.A. Skjolaas-Wilson, T.E. Burkey, J.E. Minton
J. of Animal Science, 83(E Suppl.):E48-E56, 2005
- 05-62-J In vitro evaluation of fibrolytic enzymes to increase the nutritive value of dairy feedstuffs
E.A. Elwakeel, E.C. Titgemeyer, B.J. Johnson, C.A. Armendariz
J. of Dairy Science, 90:5226-5236, 2007
- 05-67-J Bovine alveolar macrophage neurokinin-1 and response to substance P
D. Rogers, C. Wyatt, P. Walz, J. Drouillard, D. Mosier
J. of Veterinary Immunopathology, 112(3-4):290-295, 2006
- 05-77-J Effects of polyvinyl chloride overwrap film, high-oxygen modified atmosphere packaging, or ultra-low oxygen modified atmosphere packaging on bone marrow discoloration in beef humerus, rib, thoracic vertebra, and scapula bones
J.P. Grobbel, M.E. Dikeman, J.S. Smith, D.H. Kropf, G.A. Milliken
J. of Animal Science, 84:694-701, 2006
- 05-85-B Rapid detection of microbial contaminants
D.Y.C. Fung
In: Technology of fruits and vegetables, G. Sapers, A. Yousef (Eds.). New York: CRC Press, pp. 565-596, 2006
- 05-86-J Sodium chloride grade impact on *Escherichia coli* O157:H7 and *Staphylococcus aureus*: Visualization via transmission electron microscopy (TEM)
M. Hajmeer, E. Ceylan, J.L. Marsden, D.Y.C. Fung
Food Microbiology, 23:446-452, 2005
- 05-90-J Pregnancy rates in lactating dairy cows after presynchronization of estrous cycles and variations of the Ovsynch protocol
M.A. Portaluppi, J.S. Stevenson
J. of Dairy Science, 88:914-921, 2005
- 05-91-J The investigation of microbial succession and comparison among PCA, EMB, MRS, and Kang-Fung medium in Chinese pickle with different salt concentrations
V.C.H. Wu, D.Y.C. Fung
J. of Rapid Methods and Automation in Microbiology, 14(4):337-348, 2006
- 05-92-J Rapid methods for the detection and enumeration of microorganisms in water
D.Y.C. Fung
In: Waterborne zoonoses, J.A. Cotruvo, A. Dufour, G. Rees, J. Bartram, R. Carr, D.O. Cliver, G.F. Craun, R. Fayer, V.P.J. Gannon (Eds.). London: World Health Organization, Chapter 23, pp. 367-375, 2004
- 05-103-J Variations in poultry feed quality of sorghum and corn hybrids with contrasting seed weight characteristics
T.D. Kriegshauser, M.R. Tuinstra, J.D. Hancock
Crop Science, 46:695-701, 2006
- 05-107-J PU.1 mediated transcriptional regulation of prophenin-2 in primary bone marrow cells
B. Ramanathan, J.E. Minton, C.R. Ross, F. Blecha
Gene, 352:1-9, 2005
- 05-112-S Dairy day 2004
L.L. Francis, J. Lee, D.H. Chambers, I.J. Jeon, S.R. Simmons, K.A. Schmidt, S. Banala, M. Brouk, S.H. Kong, D.V. Armstrong, J.F. Smith, V. Wuthironarith, J.P. Harner, III, W.F. Miller, B. Cvetkovic, J.E. Shirley, J. Rottinghaus, E.C. Titgemeyer, L.C. Hollis, M.J. Meyer, R.W. Everett, M.E. Van Amburgh, B.J. Johnson, J.S. Stevenson, A.P. Phatak, S.M. Tiffany
KS Agric. Exp. Stn. Report of Progress 941, Oct. 2004

- 05-113-S Swine day 2004
A.T. Waylan, B.J. Johnson, D.P. Gnad, J.C. Woodworth, D.L. Davis, T. Iwasawa, M.G. Young, T.P. Keegan, M.D. Tokach, S.S. Dritz, R.D. Goodband, J.M. DeRouchey, J.L. Nelssen, C.R. Neill, J.E. Minton, C.N. Groesbeck, K.R. Lawrence, C.W. Hastad, R.O. Gottlob, B.M. Hildabrand, T.E. Burkey, N.Z. Frantz, D.A. Knabe, N.A. Lenehan, J.L. Usry, J.D. Schneider, R.G. Main, B.W. James, F. Valdez, C.R. Raines, M.E. Dikeman
KS Agric. Exp. Stn. Report of Progress 940, Nov. 2004
- 05-123-J Serving temperature effects on milk flavor, milk aftertaste, and volatile compound quantification in nonfat and whole milk
L.L. Francis, S.H. Kong, D.H. Chambers, G.A. Milliken, I.J. Jeon, K.A. Schmidt
J. of Food Science, 70:s413-418, 2005
- 05-124-J Comparison of rectoanal mucosal swab cultures and fecal cultures for determining prevalence of *Escherichia coli* O157:H7 in feedlot cattle
M.A. Greenquist, J.S. Drouillard, J.M. Sargeant, B.E. Depenbusch, X. Shi, T.G. Nagaraja
Applied and Environmental Microbiology, 71:6431-6433, 2005
- 05-125-J Antimicrobial activity of cetylpyridinium chloride against *Listeria monocytogenes* on frankfurters and subsequent effect on quality attributes
M. Singh, V.S. Gill, H. Thippareddi, R.K. Phebus, J.L. Marsden, T.J. Herald, A.L. Nutsch
J. of Food Protection, 68:1823-1830, 2005
- 05-135-J Efficacy of cetylpyridinium chloride against *Listeria monocytogenes* and influence on color and texture of roast beef
M. Singh, H. Thippareddi, R.K. Phebus, J.L. Marsden, T.J. Herald, A.L. Nutsch
J. of Food Protection, 68:2349-2355, 2005
- 05-140-J Cetylpyridinium chloride treatment of ready-to-eat polish sausages: Effects on *Listeria monocytogenes* populations and quality attributes
M. Singh, V.S. Gill, H. Thippareddi, R.K. Phebus, J.L. Marsden, T.J. Herald, A.L. Nutsch
Foodborne Pathogens and Disease, 2:233-241, 2005
- 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
- 05-151-J Ascorbic acid solubility influences beef marrow color stability
R.A. Mancini, M.C. Hunt, D.H. Kropf, T. Herald, D.E. Johnson
Meat Science, 68(3):339-345, 2004
- 05-153-J A GC-FID method for detection of fusaproliferin in corn
X. Wu, J.S. Smith
J. of Agricultural and Food Chemistry, 55:3211-3216, 2007
- 05-154-J Comparison of ascorbic acid and sodium erythorbate: Effects on the 24 h display colour of beef lumbar vertebrae and *longissimus lumborum* packaged in high-oxygen modified atmospheres
R.A. Mancini, M.C. Hunt, M. Seyfert, D.H. Kropf, K.A. Hachmeister, T.J. Herald, D.E. Johnson
Meat Science, 75(1):39-43, 2007
- 05-160-J The use of pasture reflectance characteristics and arbuscular mycorrhizal root colonization to predict pasture characteristics of tallgrass prairie grazed by cattle and bison
M. Villarreal, R. Cochran, D. Johnson, G. Towne, G. Wilson, D. Hartnett, D. Goodin
Grass and Forage Science, 61:32-41, 2006

- 05-193-J Effects of total iron, myoglobin, hemoglobin, unsaturated fatty acids, and lipid oxidation of uncooked muscles on livery flavor development, and volatiles of cooked beef steaks
E.J. Yancey, J.P. Grobbel, M.E. Dikeman, J.S. Smith, K.A. Hachmeister, E. Chambers, IV, P. Gadgil, G.A. Milliken, E.A. Dressler
Meat Science, 73:680-686, 2006
- 05-199-J Influence of limited fall protein supplementation on performance and forage utilization by beef cattle grazing low-quality native grass pastures
D.A. Llewellyn, R.C. Cochran, T.T. Marston, D.M. Grieger, C.G. Farmer, T.A. Wickersham
Animal Feed Science and Technology, 127:234-250, 2006
- 05-213-J Factors influencing characteristics of steam-flaked corn and utilization by cattle
J.J. Sindt, J.S. Drouillard, S.P. Montgomery, E.R. Loe
J. of Animal Science, 84:154-161, 2006
- 05-214-J Influence of steam-flaked corn moisture level and density on the site and extent of digestibility and feeding value for finishing cattle
J.J. Sindt, J.S. Drouillard, E.C. Titgemeyer, S.P. Montgomery, E.R. Loe, B.E. Deppenbusch, P.H. Walz
J. of Animal Science, 84:424-432, 2006
- 05-222-J Current research in meat color: A review
R.A. Mancini, M.C. Hunt
Meat Science, 71(1):100-121, 2005
- 05-230-J Rheological study of xanthan and locust bean gum interaction in dilute solution
J. Higiroy, T.J. Herald, S. Alavi
Food Research International, 39:165-175, 2006
- 05-232-J Effects of feeding commercially grown pigs below or above their lysine requirement in early and late finishing on growth performance and economics
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen, T.M. Loughlin
The Professional Animal Scientist, 24:76-87, 2008
- 05-237-J A comparison of serological responses when modified live infectious bovine rhinotracheitis virus vaccine and *Mannheimia haemolytica* bacterin-leukotoxoid are administered with needle-free versus conventional needle-based injection in yearling feedlot steers
L.C. Hollis, J.F. Smith, B.J. Johnson, S. Kapil, D.A. Mosier
Bovine Practitioner, 39:106-109, 2005
- 05-238-J A comparison of serological responses when modified live infectious bovine rhinotracheitis virus vaccine, *Mannheimia haemolytica* bacterin-leukotoxoid, and *Leptospira pomona* bacterin are administered with needle-free versus conventional needle-based injection in Holstein dairy calves
L.C. Hollis, J.F. Smith, B.J. Johnson, S. Kapil, D.A. Mosier
Bovine Practitioner, 39:110-114, 2005
- 05-240-J Validation of a traditional Italian salami manufacturing process for control of *Salmonella* and *Listeria monocytogenes*
K.K. Nightingale, H. Thippareddi, R.K. Phebus, J.L. Marsden, A.L. Nutsch
J. of Food Protection, 69:794-800, 2006
- 05-269-J Influence of chop location within a loin on boneless pork *longissimus* quality
J.W. Homm, A.T. Waylan, J.A. Unruh, R.C. Johnson
J. of Muscle Foods, 17:221-236, 2006
- 05-275-J Particle size, mill type, and added fat influence flow ability of ground corn
C.N. Groesbeck, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelson, J.M. DeRouchey
The Professional Animal Scientist, 22:120-125, 2006
- 05-276-J Effect of phytase dosage and source on growth performance and bone development of nursery pigs
B.W. James, M.D. Tokach, R.D. Goodband, J.L. Nelssen, S.S. Dritz, G.L. Lynch
The Professional Animal Scientist, 24:88-94, 2008
- 05-283-J Molecular food microbiology: Modern tools for food safety
D.Y.C. Fung
U.S. Food Safety, 3:1-4, 2006

- 05-284-B Other bacteria
M.N. Hajmeer, D.Y.C. Fung
In: Foodborne intoxication and infection, 3rd ed., H. Rieman, D. Cliver (Eds.). New York: Academic Press, pp. 341-363, 2006
- 05-285-J The effects of dietary chicory and reduced nutrient diets on composition and odor of stored swine manure
S.M. Hanni, J.M. Derouchey, M.D. Tokach, R.D. Goodband, J.L. Nelssen, S.S. Dritz
The Professional Animal Scientist, 23:438-447, 2007
- 05-286-A Evaluation of cooking rate and endpoint temperature on internal cooked color development in ground beef patties
S.M. Ryan, M.C. Hunt, M. Seyfert, R.A. Mancini
Proceedings of the 51st International Congress of Meat Science and Technology Baltimore, MD, 2005, p. 83
- 05-299-J Effects of potassium lactate, sodium chloride, and sodium acetate on surface shininess/gloss and sensory properties of injection-enhanced beef strip-loin steaks
R.C. Knock, M. Seyfert, M.C. Hunt, M.E. Dikeman, R.A. Mancini, J.A. Unruh, J.J. Higgins, R.A. Monderen
Meat Science, 74(2):319-326, 2006
- 05-300-J Effects of potassium lactate, sodium chloride, sodium tripolyphosphate, and sodium acetate on colour, colour stability, and oxidative properties of injection-enhanced beef rib steaks
R.C. Knock, M. Seyfert, M.C. Hunt, M.E. Dikeman, R.A. Mancini, J.A. Unruh, J.J. Higgins, R.A. Monderen
Meat Science, 74(2):312-318, 2006
- 05-309-J Porcine liver-expressed antimicrobial peptides, hepcidin and LEAP-2: Cloning and induction by bacterial infection
Y. Sang, B. Ramanathan, J.E. Minton, C.R. Ross, F. Blecha
Developmental and Comparative Immunology, 30(4):357-366, 2006
- 05-311-J Semi-quantitative evaluation of protein residues in foods using the FLASH rapid cleaning validation method
D.A. Olds, D.Y.C. Fung, C.W. Shanklin
J. of Rapid Methods and Automation in Microbiology, 13(3):135-147, 2005
- 05-312-B Rapid and automated methods for food microbiology
D.Y.C. Fung
In: Encyclopedia of rapid microbiological methods, Volume I, M. Miller (Ed.). River Grove, IL: PDA, DHI, pp. 167-193, 2005
- 05-339-J Amino acid and energy digestibility of protein sources for growing pigs
R.O. Gottlob, J.M. DeRouchey, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.L. Nelssen, C.W. Hastad, D.A. Knabe
J. of Animal Science, 84:1396-1402, 2006
- 05-340-S Field day 2005, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, D. Leikam, B. Olson, M. Alam, N. Klocke, R. Currie, M. Brouk, R. Aiken, G. Clark, L. Buschman, P. Sloderbeck, M. Witt, R. Hale, D. Henson, G. Gold, C. MacKown, T. Herrman
KS Agric. Exp. Stn. Report of Progress 945, Aug. 2005
- 06-5-J Effects of pantothenic acid on growth performance and carcass characteristics of growing-finishing pigs
C.N. Groesbeck, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.M. DeRouchey
J. of Animal Science, 85:2492-2497, 2007
- 06-10-J Effects of ascorbic acid and origanox in different packaging systems to prevent pork lumbar vertebrae discoloration
C.R. Raines, M.E. Dikeman, J.P. Grobbel, E.J. Yancey
Meat Science, 74:267-271, 2006
- 06-15-J Effects of oral administration of sodium citrate or acetate to pigs on blood parameters, postmortem glycolysis, muscle pH decline, and quality attributes of pork
J.W. Stephens, M.E. Dikeman, A.J. Unruh, M.D. Haub, M.D. Tokach, S.S. Dritz
J. of Animal Science, 86:1669-1677, 2008
- 06-16-J Effects of pre-rigor injection of sodium citrate or acetate, or post-rigor injection of phosphate plus salt, on post mortem glycolysis, pH decline, and pork quality attributes
J.W. Stephens, M.E. Dikeman, A.J. Unruh, M.D. Haub, M.D. Tokach
Meat Science, 74:727-737, 2006

- 06-17-J Effects of energy source on methionine utilization by growing steers
G.F. Schroeder, E.C. Titgemeyer, M.S. Awawdeh, J.S. Smith, D.P. Gnad
J. of Animal Science, 84:1505-1511, 2006
- 06-18-J Effects of energy level on methionine utilization by growing steers
G.F. Schroeder, E.C. Titgemeyer, M.S. Awawdeh, J.S. Smith, D.P. Gnad
J. of Animal Science, 84:1497-1504, 2006
- 06-38-J Effects of *Salmonella enterica* serovars Typhimurium (ST) and Choleraesuis (SC) on chemokine and cytokine expression in swine ileum and jejunal epithelial cells
K.A. Skjolaas, T.E. Burkey, S.S. Dritz, J.E. Minton
Veterinary Immunology and Immunopathology, 111(3-4):199-209, 2006
- 06-39-J Excess amino acid supply improves methionine and leucine utilization by growing steers
M.S. Awawdeh, E.C. Titgemeyer, G.F. Schroeder, D.P. Gnad
J. of Animal Science, 84:1801-1810, 2006
- 06-46-J Effects of *Salmonella typhimurium* challenge on swine growth, nitrogen balance, insulin-like growth factor-I, and acute phase proteins
J.A. Loughmiller, S.S. Dritz, J.L. Nelssen, M.D. Tokach, R.D. Goodband, S.A. Moser, M. De La Llata
American J. of Animal and Veterinary Sciences, 2:11-22, 2007
- 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
- 06-48-J Influence of processed grains on fecal pH, starch concentration, and shedding of *Escherichia coli* O157 in feedlot cattle
B.E. Depenbusch, T.G. Nagaraja, J.M. Sargent, J.S. Drouillard, E.R. Loe, M.E. Corrigan
J. of Animal Science, 86:632-639, 2008
- 06-54-J Rheological study of xanthan and locust bean gum interaction in dilute solution: Effect of salt
J. Higiroy, T. Herald, S. Alavi, S. Bean
Food Research International, 40:435-447, 2007
- 06-56-J Influence of cooking rate, endpoint temperature, post-cooking hold time, and myoglobin redox state on internal cooked color development of ground beef patties
S.M. Ryan, M. Seyfert, M.C. Hunt, R.A. Mancini
J. of Food Science, 71(3):216-221, 2006
- 06-57-J A comparison in the composition of recovered meat produced from beef neckbones processed using hand boning, a traditional advanced meat recovery (AMR) system, and a desinewated minced meat system
A.L. Mayer, D.A. Kropf, J.S. Smith, J.L. Marsden, G.A. Milliken
Meat Science, 77:602-607, 2007
- 06-59-J Treatment of cycling and noncycling lactating dairy cows with progesterone during ovsynch
J.S. Stevenson, J.R. Pursley, H.A. Garverick, P.M. Fricke, J.S. Ottobre, M.C. Wiltbank
J. of Dairy Science, 89:2567-2578, 2006
- 06-63-S Swine research 2005
S.K. Linneen, J.M. Benz, S.S. Dritz, J.M. DeRouchey, R.D. Goodband, M.D. Tokach, R.R.R. Rowland, J. Nietfeld, A.B. Brazle, B.J. Johnson, E.C. Titgemeyer, S.K. Webel, D.L. Davis, K.R. Brown, J.L. Nelssen, N.Z. Frantz, R.O. Gottlob, C.N. Groesbeck, C.W. Hastad, C.R. Neill, J.D. Schneider, M.G. Young, J.C. Woodworth, E.J. Minton, T.E. Burkey, B.M. Hildabrand, K.A. Skjolaas-Wilson, J. Bergstrom, E.E. Carney, J.L. Usry, G. Andrews, C.K. Benz, J.W. Stephens, M.E. Dikeman, J.A. Unruh, M.D. Haub
KS Agric. Exp. Stn. Report of Progress 964, Nov. 2005
- 06-69-J Dry aging of beef in a bag highly permeable to water vapour
M.L. Ahnstrom, M. Seyfert, M.C. Hunt, D.E. Johnson
Meat Science, 73(4):674-679, 2006

- 06-85-J Effects of ractopamine and protein source on growth performance and carcass characteristics of feedlot heifers
D.K. Walker, E.C. Titgemeyer, J.S. Drouillard, E.R. Loe, B.E. Deppenbusch, A.S. Webb
J. of Animal Science, 84:2795-2800, 2006
- 06-86-J Chalk and fluid inoculation methods in studying the percent recovery of *Clostridium perfringens*, *Escherichia coli* and *Enterococcus faecalis* from raw ground beef
M.M. Obaidat, D.Y.C. Fung
J. of Rapid Methods and Automation in Microbiology, 13(4):307-317, 2005
- 06-98-J Expression of early stem cell markers by porcine umbilical cord matrix (PUC) cells
R. Carlin, D. Davis, M. Weiss, B. Schultz, D. Troyer
Reproductive Biology and Endocrinology, 4:08, 2006
- 06-101-J Effects of rosemary extracts on the reduction of heterocyclic amines in beef patties
S.Y. Tsen, J.S. Smith
J. of Food Science, 71:C496-C473, 2006
- 06-103-J Efficacy of lactic acid salts and sodium acetate on ground beef colour stability and metmyoglobin reducing activity
M. Seyfert, M.C. Hunt, M. Lundesjo Ahnstrom, D.E. Johnson, R.A. Monderen
Meat Science, 75(1):134-142, 2007
- 06-115-J Effects of weaning time (p.m. or a.m.) on nursery pig growth performance
C.R. Neill, M.D. Tokach, J.L. Nelssen, R.D. Goodband, J.M. DeRouchey, S.S. Dritz, C.N. Groesbeck, K.R. Brown
J. of Swine Health and Production, 15:19-23, 2007
- 06-124-J Effects of oregano oil on growth performance of nursery pigs
C.R. Neill, J.L. Nelssen, M.D. Tokach, R.D. Goodband, J.M. DeRouchey, S.S. Dritz, C.N. Groesbeck, K.R. Brown
J. of Swine Health and Production, 14:312-316, 2006
- 06-129-J Comparison of whey protein concentrate and spray-dried animal plasma in diets for weanling pigs
R.O. Gottlob, J.M. DeRouchey, M.D. Tokach, J.L. Nelssen, R.D. Goodband, S.S. Dritz
The Professional Animal Scientist, 23:116-122, 2007
- 06-134-J A fenbendazole oral drench in addition to an ivermectin pour-on reduces parasite burden and improves feedlot and carcass performance of finishing heifers compared with endectocides alone
C.D. Reinhardt, J.P. Hutcheson, W.T. Nichols
J. of Animal Science, 84:2243-2250, 2006
- 06-135-J Melengestrol acetate alters muscle cell proliferation in heifers and steers
E.K. Sissom, C.D. Reinhardt, B.J. Johnson
J. of Animal Science, 84:2950-2958, 2006
- 06-140-J Quality and sensory properties of fresh egg noodles formulated with either total or partial replacement of egg substitutes
H.A. Khouryieh, T. Herald, F. Aramouni
J. of Food Science, 71:S433-S437, 2006
- 06-150-J Fate of *Escherichia coli* O157:H7 during production of fermented sausage snack sticks made from beef or a venison/beef blend and directly acidified with citric or lactic acid
S.K. Stoltenberg, K.J.K. Getty, H. Thippareddi, R.K. Phebus, T.M. Loughin
J. of Food Science, 71(6):M228-M235, 2006
- 06-157-J Effects of concentrate level of diet and pen configuration on prevalence of *Escherichia coli* O157 in finishing goats
J.T. Fox, M. Corrigan, J.S. Drouillard, X. Shi, R.D. Oberst, T.G. Nagaraja
Small Ruminant Research, 72:45-50, 2007
- 06-178-J Prevention and decontamination of *Escherichia coli* O157:H7 on raw ground beef carcasses in commercial beef abattoirs
J. Edwards, D.Y.C. Fung
J. of Rapid Methods and Automation in Microbiology, 14(1):1-95, 2006

- 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. Glaenzer, 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
- 06-213-J Influence of mixing temperature on xanthan conformation and interaction of xanthan-guar gum in dilute aqueous solutions
H. Khouryieh, T. Herald, F. Aramouni, S. Alavi
Food Research International, 39:964-973, 2006
- 06-219-J Dry rolled or steam flaked grain-based diets on fecal shedding of *E. coli* O157 in feedlot cattle
J.T. Fox, J.S. Drouillard, T.G. Nagaraja
J. of Animal Science, 85:1207-1212, 2007
- 06-231-J Effects of melengestrol acetate on the inflammatory response in heifers challenged with *Mannheimia haemolytica*
M.E. Corrigan, J.S. Drouillard, M.F. Spire, D.A. Mosier, J.E. Minton, J.J. Higgins, E.R. Loe, B.E. Depenbusch, J.T. Fox
J. of Animal Science, 85(7):1770-1779, 2007
- 06-245-J Effects of corn containing the Cry1F protein on performance of beef heifers fed a finishing diet based on steam-flaked corn
J.J. Sindt, J.S. Drouillard, E.R. Loe, T.J. Kessen, M.J. Sulpizio, S.P. Montgomery, D. Rice, M. Hinds, B. Smith, F. Owens, G. Dana, P. Hunst
Animal Feed Science and Technology, 23:632-635, 2007
- 06-247-J Effects of concentrate level on carcass traits of Boer crossbred goats
S.M. Ryan, J.A. Unruh, M.E. Corrigan, J.S. Drouillard, M. Seyfert
Small Ruminant Research, 73:67-76, 2007
- 06-250-J Milking frequency, estradiol cypionate, and somatotropin influences lactation and reproduction in dairy cows
C.A. Blevins, J.E. Shirley, J.S. Stevenson
J. of Dairy Science, 89:4176-4187, 2006
- 06-254-J Effects of supplemental fat source on site and extent of nutrient digestion and growth of *Fusobacterium necrophorum* in steers
S.P. Montgomery, J.S. Drouillard, T.G. Nagaraja, E.C. Titgemeyer, J.J. Sindt
J. of Animal Science, 86:640-650, 2008
- 06-256-J Influence of pH taken at 24 hours on quality characteristics of pork loins aged until 45 days postmortem
B.S. Andrews, S. Hutchinson, J.A. Unruh, M.C. Hunt, J.E. Boyer, Jr., R.C. Johnson
J. of Muscle Foods, 18:401-419, 2007
- 06-266-J Metabolism by rats of 2-dodecylcyclobutanone, a radiolytic compound present in irradiated beef
P. Gadgil, J.S. Smith
J. of Agricultural and Food Chemistry, 54:4896-4900, 2006
- 06-268-J Evaluation of ruminal nitrogen availability in liquid feeds
E.A. Elwakeel, E.C. Titgemeyer, J.S. Drouillard, C.K. Armendariz
Animal Feed Science and Technology, 137:163-181, 2007
- 06-286-J Protein quality of various raw and rendered by-product meals commonly incorporated into companion animal diets
K.R. Cramer, M.W. Greenwood, J.S. Moritz, R.S. Beyer, C.M. Parsons
J. of Animal Science, 85:3285-3293, 2007
- 06-289-J Mechanism for lactate-color stabilization in injection-enhanced beef
Y.H. Kim, M.C. Hunt, R.A. Mancini, M. Seyfert, T.M. Loughlin, D.H. Kropf, J.S. Smith, R.A. Monderen
J. of Agricultural and Food Chemistry, 54:7856-7862, 2006
- 06-295-J Potassium lactate and fresh-pork-sausage formulation effects on shelf-life in lighted and unlighted display
M. Seyfert, M.C. Hunt, J.P. Grobbel, S.M. Ryan, D.E. Johnson, R.A. Monderen
J. of Food Science, 71(7):C390-294, 2006

- 06-300-J Effects of water-based antimicrobials on growth performance of weanling pigs
R.O. Gottlob, S.S. Dritz, M.D. Tokach, J.M. DeRouchey, R.D. Goodband, J.L. Nelssen, C.W. Hastad, C.N. Groesbeck, C.R. Neill
J. of Swine Health and Production, 15:198-205, 2007
- 06-301-A Effects of potassium lactate and display lighting on shelf-life of fresh pork sausage patties
S.M. Ryan, M. Seyfert, M.C. Hunt, J.P. Grobbel, D.E. Johnson, R.A. Monderen
Proceedings of the 52nd International Congress of Meat Science and Technology Dublin, Ireland, 2006
- 06-305-A Effects of ground flaxseed on colour and lipid stability in beef longissimus
J.P. Grobbel, M.C. Hunt, M. Seyfert, J.S. Drouillard
Proceedings of the 52nd International Congress of Meat Science and Technology Dublin, Ireland, 2006
- 06-312-J Effects of *Salmonella enterica* serovar Typhimurium, or serovar Choleraesuis, *Lactobacillus reuteri* and *Bacillus licheniformis* on chemokine and cytokine expression in the swine jejunal epithelial cell line IPEC-J2
K.A. Skjolaas, T.E. Burkey, S.S. Dritz, J.E. Minton
Veterinary Immunology and Immunopathology, 115(3-4):299-308, 2007
- 06-315-J Expression of Toll-like receptors, interleukin 8, macrophage migration inhibitory factor, and osteopontin in tissues from pigs challenged with *Salmonella enterica* serovar Typhimurium or serovar Choleraesuis
T.E. Burkey, K.A. Skjolaas, S.S. Dritz, J.E. Minton
Veterinary Immunology and Immunopathology, 115(3-4):309-319, 2007
- 06-316-J Effects of feeding *Salmonella enterica* serovar Typhimurium or serovar Choleraesuis on growth performance and circulating insulin-like growth factor-I, tumor necrosis factor-, and interleukin-1 β in weaned pigs
J.N. Fraser, B.L. Davis, K.A. Skjolaas, T.E. Burkey, S.S. Dritz, B.J. Johnson, J.E. Minton
J. of Animal Science, 85(5):1161-1167, 2007
- 06-320-J Growth characteristics, blood metabolites, and insulin-like growth factor system components in maternal tissues of gilts fed L-carnitine through day seventy of gestation
K.R. Brown, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.E. Minton, J.J. Higgins, J.C. Woodworth, B.J. Johnson
J. of Animal Science, 85:1687-1694, 2007
- 06-321-J L-carnitine alters insulin-like growth factor-1 (IGF-1), insulin-like growth factor binding protein-3 (IGFBP-3), and -5 mRNA in the endometrium of the gilt
K.R. Brown, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.E. Minton, J.J. Higgins, J.C. Woodworth, B.J. Johnson
J. of Animal Science, 85:1687-1694, 2007
- 06-326-J Influence of carbon monoxide in package atmospheres containing oxygen on colour, reducing activity, and oxygen consumption of five bovine muscles
M. Seyfert, R.A. Mancini, M.C. Hunt, J. Tang, C. Faustman
Meat Science, 75(3):568-573, 2007
- 06-327-J Colour stability, reducing activity, and mitochondria profiles of five bovine muscles
M. Seyfert, R.A. Mancini, M.C. Hunt, J. Tang, C. Faustman, M. Garcia
J. of Agricultural and Food Chemistry, 54:8919-8925, 2006
- 06-330-J Ruminant degradability and lysine bioavailability of soybean meals and effects on performance of dairy cows
M.S. Awawdeh, E.C. Titgemeyer, J.S. Drouillard, R.S. Beyer, J.E. Shirley
J. of Dairy Science, 90:4740-4753, 2007
- 06-332-J Interventions after artificial insemination: Conception rates, pregnancy survival, and ovarian responses to gonadotropin-releasing hormone, human chorionic gonadotropin, and progesterone
J.S. Stevenson, M.A. Portaluppi, D.E. Tenhouse, A. Lloyd, D.R. Eborn, S. Kacuba, J.M. DeJarnette
J. of Dairy Science, 90:331-340, 2007
- 06-344-J Effects of ascorbic acid and citric acid on beef lumbar vertebrae surface colour
R.A. Mancini, M.C. Hunt, D.H. Kropf, K.A. Hachmeister, T.J. Herald, D.E. Johnson
Meat Science, 76(3):568-573, 2007

- 06-346-J Animal growth performance and carcass characteristics of finishing steers orally dosed and supplemented daily with a yucca-derived sarsaponin
B.E. Depenbusch, J.S. Drouillard, E.R. Loe, M.A. Greenquist, M.E. Corrigan
The Professional Animal Scientist, 23:681-685, 2007
- 06-357-J Storage stability of an immune-modulatory dairy beverage containing beta-glucan
K.A. Schmidt
Milchwissenschaft, 62(4):431-434, 2007
- 06-364-J Failure to eliminate the carrier state of *Anaplasma marginale* in beef cows following multiple injections of long-acting oxytetracycline
J. Wallace, L. Hollis, C. Reinhardt, J. Coetzee, D. Renter, D. Llewellyn, T. Marston
Bovine Practitioner, 41(2):84-87, 2007
- 07-4-J Ovarian traits after gonadotropin-releasing hormone-induced ovulation and subsequent delay of induced luteolysis in an Ovsynch protocol
J.S. Stevenson, M.A. Portaluppi, D.E. Tenhouse
J. of Dairy Science, 90:1281-1288, 2007
- 07-9-B International standards: USA
M.C. Hunt, E.A. Boyle
In: Handbook of fermented meat and poultry, Fidel Toldra (Ed.). Ames, IA: Blackwell Publishing, pp. 267-271, 2006
- 07-20-J Ruminal acidosis in beef cattle: The current microbiological and nutritional outlook
T.G. Nagaraja, E.C. Titgemeyer
J. of Dairy Science, 90(E suppl. 1):E17-E38, 2007
- 07-22-J Best mix practices to minimize the particle size of reconstituted nonfat dry milk
J.E. Bock, G.A. Milliken, K.A. Schmidt
J. of Food Processing and Preservation, 32(1):60-74, 2008
- 07-23-J Response to ractopamine-hydrogen chloride is similar in yearling steers across different days on feed
S.J. Winterholler, G.L. Parsons, J.P. Hutcheson, R.S. Swingle, B.J. Johnson
J. of Animal Science, 85:413-419, 2007
- 07-28-J Validation of *Escherichia coli* O157:H7 in direct acidified beef summer sausage
K.J.K. Getty, A. Synoground, M.N. Roberts
J. of Food Safety, 27:225-285, 2007
- 07-48-J Efficacy of monensin and tylosin in finishing diets based on steam-flaked corn with and without corn wet distiller's grains with solubles
B.E. Depenbusch, J.S. Drouillard, E.R. Loe, J.J. Higgins, M.E. Corrigan, M.J. Quinn
J. of Animal Science, 86:2270-2276, 2008
- 07-51-J Predicting cattle age from eye lens weight and nitrogen content, dentition, and United States Department of Agriculture maturity score
C.R. Raines, M.E. Dikeman, J.A. Unruh, M.C. Hunt, R.C. Knock
J. of Animal Science, 86:3557-3567, 2008
- 07-61-J Response to ractopamine-HCl in heifers is altered by implant strategy across days on feed
E.K. Sissom, C.D. Reinhardt, J.P. Hutcheson, W.T. Nichols, D.A. Yates, R.S. Swingle, B.J. Johnson
J. of Animal Science, 85:2125-2132, 2007
- 07-74-A Rapid methods and automation in microbiology: 25 years of developments and predictions
D.Y.C. Fung
Proceedings of the XII International IUPAC Symposium
Istanbul, Turkey, 2007
- 07-75-B Rapid methods for detecting microbial contaminants in foods: Past, present, and future
D.Y.C. Fung
In: Microbial food contamination, C.L. Wilson (Ed.). Boca Raton, FL: CRC Press, pp. 149-186, 2008

- 07-83-S Swine day 2006
R. Carlin, D. Troyer, M. Weiss, B. Schultz, D. Davis, K.R. Brown, B.J. Johnson, R.D. Goodband, M.D. Tokach, J.L. Nelssen, J.C. Woodworth, R.C. Sulabo, J. Quackenbush, S.S. Dritz, J.M. DeRouchey, J.D. Schneider, C.N. Groesbeck, J.M. Benz, D. McKilligan, R.O. Gottlob, C.R. Neill, N.Z. Frantz, B.M. Hildabrand, T.E. Burkey, K.A. Skjolaas, J.E. Minton, E.J. Wiedmann, S.K. Linneen, M.U. Steidinger, R.G. Main, C.R. Monge, J.D. Hancock, T.L. Gugle, C. Feoli, C.L. Jones, C.W. Starkey, G.A. Andrews, C.W. Hastad, J.L. Usry, M.C. Brumm, L.J. Johnston, K. Stalder, W. Diederich
KS Agric. Exp. Stn. Report of Progress 966, Nov. 2006
- 07-87-J Interaction between protein and energy supply on protein utilization in growing cattle: A review
G.F. Schroeder, E.C. Titgemeyer
Livestock Science, 114:1-10, 2008
- 07-88-J Effects of energy supply on leucine utilization by growing steers at two body weights
G.F. Schroeder, E.C. Titgemeyer, E.S. Moore
J. of Animal Science, 85:3348-3354, 2007
- 07-94-J Effects of grain processing and dietary lipid source on performance, carcass characteristics, plasma fatty acids, and sensory properties of steaks from finishing cattle
H.J. LaBrune, C.D. Reinhardt, J.S. Drouillard, M.E. Dikeman
J. of Animal Science, 86(1):167-72, 2008
- 07-102-J Evaluation of various ammonia assays for testing of contaminated muscle food products
F. Hijaz, J.S. Smith, C.L. Kastner
J. of Food Science, 72:C253-257, 2007
- 07-118-S Dairy research 2006
B. Bradford, J.S. Stevenson, D.E. Tenhouse, R.L. Krisher, G.C. Lamb, C.R. Dahlen, J.E. Larson, J.R. Pursley, N.M. Bello, P.M. Fricke, M.C. Wiltbank, D.J. Brusveen, M. Burkhardt, R.S. Youngquist, H.A. Garverick, B.S. Buttrey, M.G. Burns, C.A. Martel, W.E. Brown, J.P. Harner, J.F. Smith, M.J. Brouk
KS Agric. Exp. Stn. Report of Progress 965, Dec. 2006
- 07-122-J Assessment of sustainability-potential: Hierarchical approach
L.T. Fan, T. Zhang, J. Liu, J.R. Schlup, P.A. Seib, F. Friedler, B. Bertok
Industrial and Engineering Chemistry Research, 46:4506-4516, 2007
- 07-137-J Evaluation of performance and immune response in feeder cattle fed different sources of dietary lipids
T.B. Farran, C.D. Reinhardt, J.S. Drouillard, D.A. Blasi, H.J. LaBrune, J.E. Minton, T.H. Elsasser, R.D. Hunter, J.J. Higgins
J. of Animal Science, 86(6):1382-94, 2008
- 07-140-J Evaluation of soy protein concentrate sources in nursery diets
N.A. Lenehan, J.M. DeRouchey, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, C.N. Groesbeck, K.R. Lawrence
J. of Animal Science, 85:3013-3021, 2007
- 07-143-J Diet mixing time affects nursery pig performance
C.N. Groesbeck, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.M. DeRouchey
J. of Animal Science, 85:1793-1798, 2007
- 07-147-J Feeding enriched omega-3 fatty acid beef to rats increases omega-3 fatty acid content of heart and liver membranes and decreases serum vascular cell adhesion molecule-1 and cholesterol levels
D.M. Medeiros, M. Hampton, K. Kurtzer, M. Parelman, E. El-Tamimi, J.S. Drouillard
Nutrition Research, 27:295-299, 2007
- 07-164-J The effects of frequent out-of-feed events on growth performance of nursery and grow-finish pigs
S.K. Linneen, S.S. Dritz, R.D. Goodband, M.D. Tokach, J.M. DeRouchey, J.L. Nelssen
J. of Animal Science, 85:2043-2047, 2007
- 07-172-J The effect of ractopamine-HCl (Optaflexx) on performance, carcass characteristics, and meat quality of finishing feedlot heifers
M.J. Quinn, J.S. Drouillard, C.D. Reinhardt, E.R. Loe, B.E. Depenbusch
J. of Animal Science, 86:902-908, 2008

- 07-173-J Corn distillers grains with solubles derived from a traditional or partial fractionation process: Growth performance and carcass characteristics of finishing feedlot heifers
B.E. Depenbusch, E.R. Loe, M.J. Quinn, M.E. Corrigan, M.L. Gibson, K.K. Karges, J.S. Drouillard
J. of Animal Science, 86:2338-2343, 2008
- 07-176-J Effects of vitamin A supplementation in young lambs on performance, serum lipid, and longissimus muscle lipid composition
A. Arnett, M. Dikeman, C. Spaeth, B. Johnson, B. Hildabrand
J. of Animal Science, 85:3062-3071, 2007
- 07-179-S Beef cattle research 2007
J.S. Drouillard, C.A. Dobbins, D.E. Tenhouse, D.R. Eborn, S.K. Johnson, K.R. Harmoney, J.S. Stevenson, M.G. Burns, B.S. Buttrey, J.E. Larson, B.J. Lovaas, G.C. Lamb, K.C. Olson, D.M. Grieger, S.J. Breiner, K.M. Boone, D.A. Blasi, S.A. Grau, T.C. Schroeder, B.B. Barnhardt, R.M. Breiner, A.M. Bryant, D.L. Pendell, M.P. Epp, M.F. Spire, B.J. White, R.L. Larson, D.U. Thomson, A. Garmyn, D. Moser, M.E. Dikeman, A.L. Van Eenennaam, J. Li, R.M. Thallman, R.L. Quaas, C. Gill, D.E. Franke, M.G. Thomas, P.J. Guiroy, G.F. Schroeder, E.C. Titgemeyer, E.S. Moore, J.O. Wallace, W.F. Miller, B.J. Johnson, C.D. Reinhardt, J.A. Christopher, T.T. Marston, M.L. May, M.J. Quinn, C.E. Walker, B.E. Depenbusch, E.R. Loe, M.E. Corrigan, T.A. Wickersham, R.C. Cochran, E.E. Wickersham, D.P. Gnad, T.G. Nagaraja, A.B. Thornton, J.T. Fox, G.H. Loneragan, D. Burkhardt, M.E. Jacob, S.L. Reinstein, C.R. Raines, J.A. Unruh, M.C. Hunt, J.J. Higgins, J.L. Marsden, S. Hutchison, F. Ameri, J.S. Smith, P. Gadgil, M.N. Roberts, K.J.K. Getty, E.A.E. Boyle, F. Hijaz, C.L. Kastner
KS Agric. Exp. Stn. Report of Progress 978, Mar. 2007
- 07-182-J The effects of feeding wet corn distiller's grains with solubles with or without monensin and tylosin on the prevalence and antimicrobial susceptibility of fecal food-borne pathogenic and commensal bacteria in feedlot cattle
M.E. Jacob, J.T. Fox, S.K. Narayanan, J.S. Drouillard, D.G. Renter, T.G. Nagaraja
J. of Animal Science, 86:1182-1190, 2008
- 07-196-J Effects of data expression, sample location, and oxygen partial pressure on initial nitric oxide metomyoglobin formation and metomyoglobin-reducing activity
R.A. Mancini, M. Seyfert, M.C. Hunt
Meat Science, 79(2):244-251, 2008
- 07-214-J Barrier and mechanical properties of starch-clay nanocomposite films
Z.Z. Tang, S.H. Alavi, T.J. Herald
Cereal Chemistry, 85:433-439, 2008
- 07-234-J Evaluation of nutridense low phytate corn and added fat in swine diets
S.K. Linneen, J.M. DeRouchey, R.D. Goodband, M.D. Toksch, S.S. Dritz, J.L. Nelssen
J. of Animal Science, 86:1556-1561, 2008
- 07-239-J The effects of feeding flaxseed during the receiving period on morbidity, mortality, performance, and carcass characteristics of heifers
M.J. Quinn, E.S. Moore, D.U. Thomson, B.E. Depenbusch, M.L. May, J.J. Higgins, J.F. Carter, J.S. Drouillard
J. of Animal Science, 86:3054-3061, 2008
- 07-248-J Precooked bran-enriched wheat flour using extrusion: Dietary fiber profile and sensory characteristics
H. Gajula, S. Alavi, K. Adhikari, T.J. Herald
J. of Food Science, 73(4):S173-S179, 2008
- 07-258-J Effect of dietary nutrients on osteochondrosis lesions and cartilage properties in pigs
N.Z. Frantz, G.A. Andrews, M.D. Tokach, J.L. Nelssen, R.D. Goodband, J.M. DeRouchey, S.S. Dritz
American J. of Veterinary Research, 69:617-624, 2008
- 07-260-J Alterations in the physiology of growth of cattle with growth enhancing compounds
B.J. Johnson, K.Y. Chung
Veterinary Clinics of North America: Food animal practice, 23:321-332, 2007
- 07-261-J Effect of feedlot management system on response to ractopamine-HCl in yearling steers
S.J. Winterholler, G.L. Parsons, D.K. Walker, M.J. Quinn, J.S. Drouillard, B.J. Johnson
J. of Animal Science, 86:2401-2414, 2008

- 07-267-J Effects of feeding schedule on body condition, aggressiveness, and reproductive failure in group housed sows
J.D. Schneider, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.M. DeRouchey, R.D. Goodband
J. of Animal Science, 85:3462-3469, 2007
- 07-275-J The effects of flax oil and derivatives on in-vitro gas production, performance, carcass characteristics, and meat quality of finishing steers
J. Drouillard
The Professional Animal Scientist, 24:161-168, 2008
- 07-281-B Growth-promotant implants: Managing the tools
C. Reinhardt
Veterinary clinics of North America: Food animal practice, 23(2):309-319, 2007
- 07-307-J Effects of feeding growing pigs less or more than their estimated lysine requirement in early and late finishing on overall performance
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen, J.M. DeRouchey
The Professional Animal Scientist, 24:76-87, 2008
- 07-312-J Effects of dried distillers' grain on fecal prevalence and growth of *Escherichia coli* O157 in batch culture fermentations from cattle
M.E. Jacob, J.T. Fox, J.S. Drouillard, D.G. Renter, T.G. Nagaraja
Applied and Environmental Microbiology, 74(1):38-43, 2008
- 07-318-J Functional modification of vital wheat gluten with corn syrup using hydrothermal treatment
H. Singh, F. MacRitchie, Y. Kim, R. Madl, T. Herald
J. of the Science of Food and Agriculture, 86:251-257, 2006
- 08-5-J Factors influencing upfront single and multiple ovulation incidence, progesterone concentration, and luteolysis before a timed insemination resynchronization protocol
J.S. Stevenson, M.A. Portaluppi, D.E. Tenhouse
J. of Dairy Science, 90:5542-5551, 2007
- 08-19-J Effects of packaging atmospheres on beef instrumental tenderness, fresh color stability, and internal cooked color
J.P. Grobbel, M.E. Dikeman, M.C. Hunt, G.A. Milliken
J. of Animal Science, 86(5):1191-1199, 2008
- 08-66-J Prediction of the energy content of tallgrass prairie hay
KC Olson, R.C. Cochran, E.C. Titgemeyer, C.P. Mathis, T.J. Jones, J.S. Heidt
J. of Animal Science, 86:1372-1381, 2008
- 08-68-J Feeding supplemental dried distiller's grains increases fecal shedding of *Escherichia coli* O157 in experimentally inoculated calves
M.E. Jacob, G.L. Parsons, M.K. Shelor, J.T. Fox, J.S. Drouillard, D.U. Thomson, D.G. Renter, T.G. Nagaraja
Zoonoses and Public Health, 55:125-132, 2008
- 08-91-J Detection of anovulation by heat mount detectors and transrectal ultrasonography before treatment with progesterone in a timed insemination protocol
J.S. Stevenson, D.E. Tenhouse, R.L. Krisher, G.C. Lamb, J.E. Larson, C.R. Dahlen, J.R. Pursley, N.M. Bello, P.M. Fricke, M.C. Wiltbank, D.J. Brusveen, M. Burkhart, R.S. Youngquist, H.A. Garverick
J. of Dairy Science, 91:2901-2915, 2008
- 08-113-J Up-date and 25 years global predictions of rapid detection of microbes in fresh and fresh-cut produce
D.Y.C. Fung
Proceedings of the International Conference on Quality Management of Fresh-cut Produce
Bangkok, Thailand, S. Kanlayanarat et al. (Ed.). ACTA Hort, 746:123-130, 2007
- 08-114-J Evaluation of fung double tube test for *Clostridium perfringens* and EasyPhage test for F-specific RNA collphages as rapid screening tests for fecal contamination in recreational waters of Hawaii
D.Y.C. Fung, R. Fujioka, K. Vijayavel, D. Sato, D. Bishop
J. of Rapid Methods and Automation in Microbiology, 15(3):217-219, 2007

- 08-115-B Tempeh: A mold-modified indigenous fermented food
D.Y.C. Fung, B.A. Crozier-Dodson
In: Fermented functional food, T. Farnsworth (Ed.). Boca Raton, FL: CRC Press, pp. 475-494, 2008
- 08-118-J Effect of marinades on the formation of heterocyclic amines in beef steaks
F. Ameri, P. Gadgil, J.S. Smith
J. of Food Science, 73:T100-T105, 2008
- 08-121-S Swine day 2007
J.Y. Jacela, S.S. Dritz, M.D. Tokach, J.M. DeRouchey, R.D. Goodband, J.L. Nelssen, R.C. Sulabo, J.R. Bergstrom, A. Brazle, T. Rathbun, B. Johnson, D. Davis, C.N. Groesbeck, T.E. Burkey, J.E. Minton, E.J. Wiedemann, J.R. Bergstrom, J.M. Benz, J.C. Woodworth, F. Neher, S.K. Linneen, C. Feoli, J.D. Hancock, S. Issa, T.L. Gugle, S.D. Carter, N.A. Cole, S.M. Williams, C. Monge, R.C. Thaler, A.W. Duttlinger, J. Snow, N.Z. Frantz, G. Andrews, J.D. Schneider, L.J. McKinney, K.C. Behnke, E.E. Carney
KS Agric. Exp. Stn. Report of Progress 985, Nov. 2007
- 08-127-S Dairy research 2007
B. Bradford, J.S. Stevenson, D.E. Tenhouse, R.L. Krisher, G.C. Lamb, C.R. Dahlen, J.E. Larson, J.R. Pursley, N.M. Bello, P.M. Fricke, M.C. Wiltbank, D.J. Brusveen, M. Burkhart, R.S. Youngquist, H.A. Garverick, B.S. Buttrey, M.G. Burns, C.A. Martel, W.E. Brown, J.P. Harner, J.F. Smith, M.J. Brouk
KS Agric. Exp. Stn. Report of Progress 984, Dec. 2007
- 08-144-J Effect of crude glycerol on pellet mill production and nursery pig growth performance
C.N. Groesbeck, L.J. McKenney, J.M. DeRouchey, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.L. Nelssen, A.W. Duttlinger, A.C. Farenholtz, K.C. Behnke
J. of Animal Science, 86:2228-2236, 2008
- 08-193-J Low-oxygen packaging of fresh meat with carbon monoxide: Meat quality, microbiology, and safety
D.P. Cornforth, M.C. Hunt
American Meat Science Association White Paper Series, no. 2, January 2008, 12 pp.
- 08-210-J Maintenance of pregnancy in dairy cattle after treatment with human chorionic gonadotropin or gonadotropin-releasing hormone
J.S. Stevenson, S.M. Tiffany, E.K. Inskeep
J. of Dairy Science, 91:3092-3101, 2008
- 08-212-S Beef cattle research 2008
A.L. Mayer, J.A. Gunderson, A.S. Lobaton-Sulabo, E.A.E. Boyle, T.A. Houser, J.J. Higgins, S. Hutchison, J.A. Unruh, M.J. Daniel, M.C. Hunt, C. Raines, J.P. Grobbel, M.E. Dikeman, G.A. Milliken, A.M. Arnett, M.D. Thomas, K.C. Olson, J.S. Stevenson, J.R. Jaeger, J.W. Bolte, N.A. Sproul, D.A. Linden, K. Dhuyvetter, T. Schroeder, J.M. DeRouchey, S.Q. Jones, J.M. Ham, J.S. Drouillard, R.A. Kreikemeier, L.A. Pacheco, D.U. Thomson, B.J. White, R.L. Larson, J. Minick Bormann, D.W. Moser, T.T. Marston, T.W. Van Winkle, C.O. Anglin, D.A. Blasi, C.D. Reinhardt, M.P. Epp, R.D. Derstein, B.B. Barnhardt, S. Uwituze, B.E. Depenbusch, K.K. Karges, M.L. Gibson, M.L. May, M.J. Quinn, M.J. Hands, J.O. Wallace, L. Murray, D.R. Linden, D.E. Anderson, T.J. Baxa, J.P. Hutcheson, M.F. Miller, W.T. Nichols, M.N. Streeter, D.A. Yates, B.J. Johnson
KS Agric. Exp. Stn. Report of Progress 995, Mar. 2008
- 08-288-S Field day 2008, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, C. Thompson, T. Dumler, L. Haag, L. Stone, M. Alam, N. Klocke, R. Currie, M. Brouk, J. Lee, P. Westra, J. Fenderson, J. Tichota, J. Mueller, J. Holman, T. Gillum, M. Deewall, A. Burns, H. Davis, L. Buschman, P. Sloderbeck, A. Joshi, T. Niide, W.B. Gordon, C. Khajuria, M. Stamm, G. Miller, S. Maxwell, R. Hale, T. Herrman, L. Murray, K. Roozeboom, D. Yauk
KS Agric. Exp. Stn. Report of Progress 997, Apr. 2008
- 08-331-A Beef cow performance following rumen-protected choline supplementation during the periparturient period
J.R. Jaeger, S.R. Goodall, K.R. Harmoney, K.C. Olson
Proceedings of the Western Section, American Society of Animal Science, 2008, 59:114-117

08-367-J Progesterone, follicular, and estrual responses to progesterone-based estrus and ovulation synchronization protocols at five stages of the estrous cycle
J.S. Stevenson
J. of Dairy Science, 91:4640-4650, 2008

Publications without contribution numbers

Meeting consumer demands through genetic selection: The NCBA carcass merit project
D.W. Moser, R.M. Thallman, E.J. Pollak, M.E. Dikeman, C.A. Gill, S.R. Koontz, T.R. Holm, E.W. Dressler
Proceedings of the 36th Beef Improvement Federation Research Symposium and Annual Meeting
Sioux Falls, SD, 2004, pp. 42-44

Breeding strategies to optimize reproductive efficiency in dairy herds
J.S. Stevenson
Veterinary clinics of North America: Food animal practice, 21:349-365, 2005

Estrus synchronization: Cattle
J.S. Stevenson, D.L. Davis
In: Encyclopedia of animal science, W.G. Pond, A.W. Bell (Eds.). New York: Marcel Dekker, pp. 349-352, 2005

Estrus synchronization: Horses, pigs, sheep, and goats
D.L. Davis, J.S. Stevenson
In: Encyclopedia of animal science, W.G. Pond, A.W. Bell (Eds.). New York: Marcel Dekker, pp. 353-355, 2005

The importance of sire selection
D.W. Moser
In: Beef sire selection manual, Lexington, KY: National Beef Cattle Evaluation Consortium, p. 10, 2006

Visual and phenotypic evaluation of bulls
D.W. Moser
In: Beef sire selection manual, Lexington, KY: National Beef Cattle Evaluation Consortium, pp. 63-65, 2006

Synchronization of estrus and artificial insemination in replacement beef heifers using gonadotropin-releasing hormone, prostaglandin F_{2α}, and progesterone
G.C. Lamb, J.E. Larson, T.W. Geary, J.S. Stevenson, S.K. Johnson, M.L. Day, R.P. Ansotegui, D.J. Kesler, J.M. DeJarnette, D.G. Landblom
J. of Animal Science, 84:3000-3009, 2006

Synchronization of estrus in suckled beef cows for detected estrus and artificial insemination and timed artificial insemination using gonadotropin-releasing hormone, prostaglandin F_{2α}, and progesterone
J.E. Larson, G.C. Lamb, J.S. Stevenson, S.K. Johnson, M.K. Day, T.W. Geary, D.J. Kesler, J.M. DeJarnette, F.N. Schrick, A. DiConstanzo, J.D. Arseneau
J. of Animal Science, 84:332-342, 2006

Effect of starch, fiber, or protein supplementation on intake and digestion of low-quality tall fescue hay by growing dairy heifers
T.B. Schmidt, KC Olson, M.L. Linville
The Professional Animal Scientist, 22:432-437, 2006

Effects of respiratory disease risk and a bolus injection of trace minerals at receiving on growing and finishing performance by beef steers
J.H. Clark, KC Olson, T.B. Schmidt, R.L. Larson, M.R. Ellersieck, D.O. Alkire, D.L. Meyer, G.K. Rentfrow, C.C. Carr
The Professional Animal Scientist, 22:245-251, 2006

The effect of dietary lipoic acid on metabolic hormones and acute-phase proteins during challenge with infectious bovine rhinotracheitis virus in cattle
T.B. Schmidt, M.S. Brown, R.L. Larson, S.B. Kleiboeker, KC Olson, D. Keisler, J.A. Carroll, E.P. Berg
American J. of Veterinary Research, 67:1192-1198, 2006

Interaction between consulting veterinarians and nutritionists in the feedlot
R.A. Smith, L.C. Hollis
Veterinary clinics of North America: Food animal practice, 23:171-175, 2007

Topics in nutritional management of the beef cow and calf
KC Olson, L.C. Hollis (guest Eds.)
Veterinary clinics of North America: Food animal practice, 23(1), 2007

Topics in nutritional management of feedlot cattle

L.C. Hollis, K.C. Olson (guest Eds.)
Veterinary clinics of North America: Food animal practice, 23(2), 2007

Management of mineral supplementation programs for cow-calf operations
K.C. Olson, R.J. Rasby, T.B. Schmidt, J.R. Jaeger

Veterinary clinics of North America: Food animal practice, 23(1):69-90, 2007

The effects of nutritional management on carcass merit of beef cattle and on sensory properties of beef

T.B. Schmidt, K.C. Olson
Veterinary clinics of North America: Food animal practice, 23(1):151-163, 2007

The cow-calf operation retained ownership decision

B.J. White, J.D. Anderson, R.L. Larson, K.C. Olson, D.U. Thomson
The Professional Animal Scientist, 23:18-28, 2007

Why haven't we seen an improvement in quality grade? A genetic improvement perspective.

D.W. Moser
Proceedings of the 39th Beef Improvement Federation Research Symposium and Annual Meeting
Fort Collins, CO, 2007, pp. 25-30

Flaked grain variables: Control points and evaluation of flaked grains

J. Drouillard, C. Reinhardt
Proceedings of the Oklahoma State University Grain Processing Symposium, F.N. Owens (Ed.), 2007

Fecal shedding of Salmonella in feedlot cattle that were treated for apparent respiratory disease

D.G. Renter, M.J. Alam, S.E. Ives, L.C. Hollis, D.U. Thomson, M.W. Sanderson, T.G. Nagaraja
Proceedings of the 87th Annual Conference of Research Workers in Animal Diseases, 2007

Early weaning as a drought mitigation strategy for commercial cattle ranches
K.C. Olson, R.J. Rasby, T.B. Schmidt, J.R. Jaeger

Proceedings of the 2007 Western Nutrition Conference, Animal Nutrition Association of Canada, Saskatoon, Canada, 2007, 28(1):349-364

Effects of dry matter intake restriction on diet digestion, energy partitioning, nutrient retention, and ruminal fermentation by beef steers

J.H. Clark, K.C. Olson, T.B. Schmidt, M.L. Linville, D.O. Alkire, D.L. Meyer, G.K. Rentfrow, C.C. Carr, E.P. Berg
J. of Animal Science, 85:3383-3390, 2007

Biocontainment, biosecurity, and security practices in beef feedyards

A.W. Brandt, M.W. Sanderson, B.D. DeGroot, D.U. Thomson, L.C. Hollis
J. of the American Veterinary Medical Association, 232(2):262-269, 2008

Apparel, Textiles, and Interior Design

04-105-J Enzyme treatment of wool and specialty hair fibers

T. Das, G.N. Ramaswamy
Textile Research J., 76(2):126-133, 2006

05-136-J Naturally occurring quinones and flavonoid dyes for wool: Insect feeding deterrents

J.H. Park, B.M. Gatewood, G.N. Ramaswamy,
J. of Applied Polymer Science, 98(1):322-328, 2005

07-274-J Color has little effect on perception of fabric handfeel tactile properties in cotton fabric

R. Yenket, E. Chambers, IV, B.M. Gatewood
J. of Sensory Studies, 22:336-352, 2007

08-335-A Sustainable fashion: An oxymoron or a possible future? Teaching strategies to promote consumer and industry sustainability practices

D.J.C. Brodsahl, M.L.A. LeHew, J.M. Hawley
Proceedings of the International Textile and Apparel Association
Los Angeles, CA, 2007

- 08-336-B Quality over quantity: The key to sustainable fashion?
D.J.C. Meyer-Brosdahl
In: Future fashion white papers, New York: Earth Pledge, 2007
- 08-344-A Apparel sustainability in the 21st century: Making the right choices
J.M. Hawley
Proceedings of the Eco-Design in Global Paradigm conference, keynote address
Seoul, Korea, 2008
- Publications without contribution numbers
- Physical and chemical properties of wet processed hemp and kenaf
J. Wang, G.N. Ramaswamy
AATCC Review, 5(1):17-21, 2005
- Effects of chemical processing on hemp and kenaf dyeing properties
J. Wang, G.N. Ramaswamy
AATCC Review, 5(3):17-20, 2005
- Biochemistry**
- 01-427-J Technical note: Fate and transport of jet fuel (JP-8) in soils with selected plants
R. Karthikeyan, K.R. Mankin, L.C. Davis, L.E. Erickson
International J. of Phytoremediation, 5(4):281-292, 2003
- 01-438-J Modeling jet fuel (JP-8) fate and transport in soils with plants
R. Karthikeyan, K.R. Mankin, L.C. Davis, L.E. Erickson
International J. of Phytoremediation, 5(4):293-314, 2003
- 02-33-B Sorghum transformation for resistance to fungal pathogens and drought
S. Muthukrishnan, J.T. Weeks, M.R. Tuinstra, J.M. Jeoung, J. Jayaraj, G.H. Liang
In: Genetic transformation in crops, G. Liang, D. Skinner (Eds.). New York: Haworth Press, pp. 203-223, 2004
- 02-86-J Structural requirements within the lipoyl domain for the Ca²⁺-dependent binding and activation of pyruvate dehydrogenase phosphatase isoform 1 or its catalytic subunit
A. Turkan, X. Gong, T. Peng, T.E. Roche
J. of Biological Chemistry, 277:14976-14985, 2002
- 02-130-J Effect of protein kinase C γ on gap junction disassembly in lens epithelial cells and retinal cells in culture
L. Wagner, S. Saleh, D. Boyle, D. Takemoto
Molecular Vision, 8:59-66, 2002
- 02-148-J Transfer of a plant chitinase gene into a root colonizing nitrogen fixing *Azospirillum* and study of its expression
J. Jayaraj, S. Muthukrishnan, G.H. Liang
Canadian J. of Microbiology, 50:509-513, 2004
- 02-291-B Transformation, a powerful tool for crop improvement
D.Z. Skinner, S. Muthukrishnan, G.H. Liang
In: Genetically modified crops: Their development, uses, and risks, G. Liang, D. Skinner (Eds.). New York: Haworth Press, pp. 1-16, 2004
- 02-430-B Two novel types of *Arabidopsis* phospholipase D
C. Qin, W. Li, Y. Hong, W. Zhang, T. Wood, M. Li, R. Welti, X. Wang
In: Advanced research on plant lipids, N. Murata, M. Yamada, I. Nishida, H. Okuyama, J. Sekiya, W. Hajime (Eds.). Dordrecht, the Netherlands: Kluwer Academic Publishers, pp. 259-262, 2003
- 02-461-J Anti-tumor activity of wheats with high orthophenolic content
K. Drankhan, J. Carter, R. Madl, C. Klopfenstein, F. Padula, Y. Lu, T. Warren, N. Schmidt, D.J. Takemoto
Nutrition and Cancer, 47(2):188-194, 2003
- 02-466-J Distinct structural elements that direct solution aggregation and membrane assembly in the channel forming peptide M2GlyR
J.R. Broughman, L.P. Shank, W. Takeguchi, T. Iwamoto, K.E. Mitchell, B.D. Schultz, J.M. Tomich
Biochemistry, 41:7350-7358, 2002
- 02-472-J LEDGF Activation of PKC gamma and GAP junction disassembly in lens epithelial cells
T.A. Nguyen, D. Boyle, L. Wagner, T. Shinohara, D.J. Takemoto
Experimental Eye Research, 76(5):565-572, 2003

- 02-489-J Expression, refolding, and activation of the catalytic domain of human blood coagulation factor XII
J. Shan, M. Baguion, L. Zheng, R. Krishnamoorthi
Protein Expression and Purification, 27:143-149, 2003
- 03-27-J Essential roles of lipoyl domains in the activated function and control of pyruvate dehydrogenase kinases and phosphatase isoform 1
T.E. Roche, Y. Hiromasa, A. Turkan, X. Gong, T. Peng, X. Yan, S.A. Kasten, H. Bao, J. Dong
European J. of Biochemistry, 270:1050-1056, 2003
- 03-60-J Interaction of the disintegrin and cysteine-rich domains of ADAM12 with integrin $\alpha 7\beta 1$
Z. Zhao, J. Gruszczynska-Biegala, T. Chevront, H. Yi, H. von der Mark, K. von der Mark, S. Kaufman, A. Zolkiewska
Experimental Cell Research, 298:28-37, 2004
- 03-69-B Pathogenesis-related proteins and their roles in resistance to fungal pathogens
J. Jayaraj, A. Anand, S. Muthukrishnan
In: Fungal disease resistance in plants: Biochemistry, molecular biology and genetic engineering, Z.K. Punja (Ed.). New York: Haworth Press, pp. 139-177, 2004
- 03-126-J Anion channel-forming peptide modulates transepithelial electrical conductance and solute permeability
J.R. Broughman, R.M. Brandt, C. Hastings, T. Iwamoto, J.M. Tomich, B.D. Schultz
American J. of Physiology, 286(6):C1312-1323, 2004
- 03-127-J Normalization of lens protein kinase C γ in galactosemic dogs by a novel aldose reductase inhibitor
D.J. Takemoto, R. Harris, A. Brightman, J. McGill, D. Hua, H. Davidson, B. Fenwick, L.M. Wagner
Veterinary Ophthalmology, 7(3):163-167, 2004
- 03-170-J Phytotransformation of benzotriazoles
S. Castro Diaz, L.C. Davis, L.E. Erickson
International J. of Phytoremediation, 5(3):245-265, 2003
- 03-209-J Characterization of cDNAs encoding putative laccase-like multicopper oxidases and developmental expression in the tobacco hornworm, *Manduca sexta*, and the malaria mosquito, *Anopheles gambiae*
N.T. Dittmer, R.J. Suderman, H. Jiang, Y-C. Zhu, M.J. Gorman, K.J. Kramer, M.R. Kanost
Insect Biochemistry and Molecular Biology, 34:29-41, 2004
- 03-216-J Facilitated interaction between the pyruvate dehydrogenase kinase isoform 2 and the dihydrolipyl acetyltransferase
Y. Hiromasa, T.E. Roche
J. of Biological Chemistry, 278:33681-33689, 2003
- 03-276-J The oleate-stimulated phospholipase D, PLD δ , and phosphatidic acid decrease H $_2$ O $_2$ -induced cell death in Arabidopsis.
W. Zhang, C. Wang, C. Qin, T. Wood, G. Olafsdottir, R. Welti, X. Wang
Plant Cell, 25:2285-2295, 2003
- 03-279-J Protein kinase C γ regulation of a gap junction activity through caveolin-1 containing lipid rafts
D. Lin, J. Zhou, P.S. Zelenka, D.J. Takemoto
Investigative Ophthalmology and Visual Science, 44(12):5259-5268, 2003
- 03-289-J Bacterial challenge stimulates innate immune responses in extra-embryonic tissues of tobacco hornworm eggs
M.J. Gorman, P. Kankanala, M.R. Kanost
Insect Molecular Biology, 13:19-24, 2004
- 03-306-J Introduction and constitutive expression of a tobacco hornworm (*Manduca sexta*) chitinase gene in soybean
W. Ornatowski, J. Jayaraj, W.T. Schapaugh, S. Muthukrishnan, T.C. Todd, H.N. Trick
In Vitro Cellular Development and Biology-Plant, 40(3):260-265, 2004
- 03-349-J Nucleotide-induced switch in oligomerization of the AAA+ ATPase ClpB
V. Akoev, E.P. Gogol, M.E. Barnett, M. Zolkiewski
Protein Science, 13:567-574, 2004

- 03-351-J Potential of plant-based remediation of pesticide contaminated soil and water using non-target plants such as trees, shrubs, and grasses
R. Karthikeyan, L.C. Davis, L.E. Erickson, K. Al-Khatib, P.A. Kulakow, P.L. Barnes, S.L. Hutchinson, A.A. Nurzhanova
Critical Reviews in Plant Sciences, 23(1):91-101, 2004
- 03-390-J The apoplastic extracts from transgenic wheat line exhibiting lesion mimic phenotype have multiple pathogenesis-related proteins that are antifungal
A. Anand, Z. Lei, L.W. Sumner, K.S. Mysore, Y. Arkane, W.W. Bockus, S. Muthukrishnan
Molecular Plant-Microbe Interactions, 17:1306-1317, 2004
- 03-391-J Characterization of two chitin synthase genes in the red flour beetle, *Tribolium castaneum* and alternate exon usage in one of the genes during development
Y. Arakane, D. Hogenkamp, Y.C. Zhu, C.A. Specht, R.W. Beeman, K.J. Kramer, M.R. Kanost, S. Muthukrishnan
Insect Biochemistry and Molecular Biology, 34:291-304, 2004
- 03-392-J Lipidomics
R. Welti, X. Wang
INFORM, 14:607-608, 2003
- 03-411-J Sorption and partitioning parameters of benzotriazole compounds
D.S. Hart, L.C. Davis, L.E. Erickson, T.M. Callender
Microchemical J., 77:9-17, 2004
- 04-017-J Organization of the cores of the mammalian pyruvate dehydrogenase complex formed by E2 and E2 plus the E3-binding protein and their capacities to bind the E1 and E3 components
Y. Hiromasa, T. Fujisawa, Y. Aso, T.E. Roche
J. of Biological Chemistry, 279:6921-6933, 2004
- 04-022-J *Manduca sexta* serpin-3 regulates prophenoloxidase activation in response to infection by inhibiting prophenoloxidase-activating proteinases
Y. Zhu, Y. Wang, M.J. Gorman, H. Jiang, M.R. Kanost
J. of Biological Chemistry, 278:46556-46564, 2003
- 04-025-J Beta-1,3-glucan recognition protein-2 (betaGRP-2) from *Manduca sexta*; an acute-phase protein that binds beta-1,3-glucan and lipoteichoic acid to aggregate fungi and bacteria and stimulate prophenoloxidase activation
H. Jiang, C. Ma, Z. Lu, M.R. Kanost
Insect Biochemistry and Molecular Biology, 34:89-100, 2004
- 04-058-B Chitin metabolism in insects: A revisit
K.J. Kramer, S. Muthukrishnan
In: Comprehensive insect physiology, L.I. Gilbert, K. Latrou, S.S. Gill (Eds.). Elsevier, pp. 111-114, 2005
- 04-061-J Innate immunity in a pyralid moth: Functional evaluation of domains from a β -1,3-glucan recognition protein
J.A. Fabrick, J.E. Baker, M.R. Kanost
J. of Biological Chemistry, 279:26605-26611, 2004
- 04-068-J A review of bioremediation and natural attenuation of MTBE
L.C. Davis, L.E. Erickson
Environmental Progress, 23(3):243-252, 2004
- 04-070-J Structure and function of the middle domain of ClpB from *Escherichia coli*
S. Kedzierska, V. Akoev, M.E. Barnett, M. Zolkiewski
Biochemistry, 42:14242-14248, 2003
- 04-076-J Innate immune responses of a lepidopteran insect, *Manduca sexta*
H. Jiang, X.-Q. Yu, M.R. Kanost
Immunological Reviews, 198:97-105, 2004
- 04-112-J *Arabidopsis* phospholipase Da1 interacts with the heterotrimeric G-protein α -subunit through a motif analogous to the DRY motif in G-protein-coupled receptors
J. Zhao, X. Wang
J. of Biological Chemistry, 279(3):1794-1800, 2004
- 04-125-J RNAi-induced silencing of embryonic tryptophan oxygenase in the pyralid moth, *Plodia interpunctella*
J.A. Fabrick, M.R. Kanost, J.E. Baker
J. of Insect Science, 4:article 15, 2004

- 04-126-J Immulectin-2, a pattern recognition receptor that stimulates hemocyte encapsulation and melanization in the tobacco hornworm, *Manduca sexta*
X.-Q. Yu, M.R. Kanost
Insect Biochemistry and Molecular Biology, 9:891-900, 2004
- 04-128-J Temperature and pH effects on plant uptake of benzotriazoles by sunflowers in hydroponic culture
S. Castro, L.C. Davis, L.E. Erickson
International J. of Phytoremediation, 6(3):209-225, 2004
- 04-190-J Inhibition of gap junction activity through the release of the C1B domain of protein kinase C γ (PKC γ) from 14-3-3
T.A. Nguyen, L. Takemoto, D.J. Takemoto
J. of Biological Chemistry, 279(50):52714-52726, 2004
- 04-209-J Efficient genetic transformation of sorghum using a visual screening marker
Z. Gao, J. Jayaraj, S. Muthukrishnan, L. Clafin, G.H. Liang
Genome, 48:321-333, 2005
- 04-219-A AZD7545 is a selective inhibitor of pyruvate dehydrogenase kinase 2
J.A. Morrell, J. Orme, R.J. Butlin, T.E. Roche, R.M. Mayers, E. Kilgour
Biochemistry Society Transactions, 31:1168-1170, 2003
- 04-265-J The plasma membrane-bound phospholipase Ddelta enhances freezing tolerance in *Arabidopsis thaliana*
W. Li, M. Li, W. Zhang, R. Welti, X. Wang
Nature Biotechnology, 22:427-433, 2004
- 04-277-J Lipid species profiling: A high throughput approach to identify lipid compositional changes and determine the function of genes involved in lipid metabolism and signaling
R. Welti, X. Wang
Current Opinion in Plant Biology, 7:337-344, 2004
- 04-278-J Lipid signaling
X. Wang
Current Opinion in Plant Biology, 7(3):329-336, 2004
- 04-280-J Pyruvate dehydrogenase kinase isoform 2 activity limited and further inhibited by slowing down the rate of dissociation of ADP
H. Bao, S.A. Kasten, X. Yan, T.E. Roche
Biochemistry, 43:13432-13441, 2004
- 04-281-J Pyruvate dehydrogenase kinase isoform 2 activity stimulated by speeding up the rate of dissociation of ADP
H. Bao, S.A. Kasten, X. Yan, Y. Hiromasa, T.E. Roche
Biochemistry, 43:13442-13451, 2004
- 04-300-J In planta performance of a dual genetic marker, *manA-gfp*, in transgenic bentgrass
D. Fu, Y. Xiao, S. Muthukrishnan, G.H. Liang
Genome, 48(4):722-730, 2005
- 04-304-J Inhibition of gap junction activity through the release of C1-domain of PKC γ from 14-3-3: Identification of PKC γ binding sites
T.A. Nguyen, L.J. Takemoto, D.J. Takemoto
J. of Biological Chemistry, 279(50):52714-52726, 2004
- 04-322-J ADP-ribosylation of integrin $\alpha 7$ modulates the binding of integrin $\alpha 7\beta 1$ to laminin
Z. Zhao, J. Gruszczynska-Biegala, A. Zolkiewska
Biochemical J., 358:309-317, 2005
- 04-338-J Natural, cost-effective, and sustainable alternatives for treatment of aircraft deicing fluid waste
S. Castro, L.C. Davis, L.E. Erickson
Environmental Progress, 24(1):26-33, 2005
- 04-349-J High-level expression of maize γ -zein protein in transgenic soybean (*Glycine max*)
Z. Li, S. Meyer, J.S. Essig, Y. Liu, M. Schapaugh, S. Muthukrishnan, B.E. Hainline, H.N. Trick
Molecular Breeding, 16:11-20, 2005
- 04-351-J Overexpression of barley *hva1* gene in creeping bentgrass for improving drought tolerance
D. Fu, B. Huang, Y. Xiao, S. Muthukrishnan, G.H. Liang
Plant Cell Reports, 26:467-477, 2007
- 04-355-J Lignans are involved in the antitumor activity of wheat bran in colon cancer SW480 cells
H. Qu, R.L. Madl, D.J. Takemoto, W. Wang, R. Baybutt
Nutrition and Cancer, 135:598-602, 2005

- 04-372-J Phospholipase D α 1-derived phosphatidic acid interacts with ABI1 phosphatase 2C and regulates abscisic acid signaling
W. Zhang, C. Qin, J. Zhao, X. Wang
Proceedings of the National Academy of Sciences (USA), 101(25):9508-9513, 2004
- 04-387-J Formation of a complex of the catalytic subunit of pyruvate dehydrogenase phosphatase isoform 1 (PDP1c) and the L2 domain forms a Ca²⁺ binding site and captures PDP1c as a monomer
A. Turkan, Y. Hiromasa, T.E. Roche
Biochemistry, 43:15073-15085, 2004
- 04-394-J Overexpression of rice TLPD34 enhances dollar-spot resistance in transgenic bentgrass
D. Fu, N.A. Tisserat, Y. Xiao, D. Settle, S. Muthukrishnan, G.H. Liang
Plant Science, 168:671-680, 2005
- 04-408-J A hemocyte-specific integrin required for hemocytic encapsulation in the tobacco hornworm, *Manduca sexta*
D. Levin, L.N. Breuer, S. Zhang, S.A. Anderson, J.B. Nardi, M.R. Kanost
Insect Biochemistry and Molecular Biology, 35:369-380, 2005
- 05-38-A Molecular biology and functions of insect chitinase and chitin synthase genes
Y. Arakane, Q. Zhu, S. Muthukrishnan, R.W. Beeman, K.J. Kramer
Proceedings of the International Conference on New Frontiers for Protein Science in Arthropods
Tsukuba, Japan, 2004, pp. 37-42
- 05-71-J Evidence for and characterization of Ca²⁺ binding to the catalytic region of *Arabidopsis thaliana* phospholipase D β
K. Pappan, L. Zheng, R. Krishnamoorthi, X. Wang
J. of Biological Chemistry, 279:47833-47839, 2004
- 05-73-J Adhesion and structure properties of protein nanomaterials containing hydrophobic-charged amino acids
X. Shen, R. Moore, X. Mo, S.J. Frazier, T. Iwamoto, J.M. Tomich, X.S. Sun
J. of Applied Polymer Science, 110(2):647-656, 2008
- 05-76-J Synthesis and initial characterization of FGFR3 transmembrane domain: Consequences of sequence modifications
T. Iwamoto, M. You, E. Li, J. Spangler, J.M. Tomich, K. Hristova
Biochimica et Biophysica Acta, 1668:240-247, 2005
- 05-88-J Elicitor signal transduction leading to production of plant secondary metabolites
J. Zhao, L.C. Davis, X. Tang, R. Verpoorte
Biotechnology Advances, 23:283-333, 2005
- 05-98-A Inhibitor strategies to control coleopteran pests
B. Oppert, T.D. Morgan, K.J. Kramer
International Congress Series, Animals and Environments. Proceedings of the 3rd International Conference of Comparative Physiology and Biochemistry, S. Morris, A. Vosloo (Eds.).
Amsterdam, the Netherlands: Elsevier, 1275:149-156, 2004
- 05-141-J Chitin synthase genes in *Manduca sexta*: Characterization of a gut-specific transcript and differential tissue expression of alternately spliced mRNAs during development
D.G. Hogenkamp, Y. Arakane, L. Zimoch, H. Merzendorfer, K.J. Kramer, R.W. Beeman, M.R. Kanost, C.A. Specht, S. Muthukrishnan
Insect Biochemistry and Molecular Biology, 35:529-540, 2005
- 05-152-J The molecular basis of plant gene expression during aphid invasion: Wheat *Pto*- and *Pti*-like sequences modulate aphid-wheat interactions
E.V. Boyko, C.M. Smith, T. Vankatappa, J. Bruno, Y. Deng, S.R. Starkey, D. Klaahsen
J. of Economic Entomology, 99:1430-1445, 2006
- 05-155-J Interactions within the ClpB/DnaK bi-chaperone system from *Escherichia coli*
S. Kedzierska, L.S. Chesnokova, S.N. Witt, M. Zolkiewski
Archives of Biochemistry and Biophysics, 444:61-65, 2005

- 05-158-J Cooperation of the metalloprotease, disintegrin, and cysteine-rich domain of ADAM12 during inhibition of myogenic differentiation
H. Yi, J. Gruszczynska-Biegala, D. Wood, Z. Zhao, A. Zolkiewska
J. of Biological Chemistry, 280(25):23475-23483, 2005
- 05-159-J The *Tribolium chitin synthase* genes *TxCHSq* and *TcCHS2* are specialized for synthesis of epidermal cuticle and midgut peritrophic matrix
Y. Arakane, M. Subbaratnam, K.J. Kramer, C.A. Specht, Y. Tomoyasue, M.D. Lorenzen, M. Kanost, R.W. Beeman
Insect Molecular Biology, 14(5):453-463, 2005
- 05-181-J Synchrotron Fourier transform infrared microspectroscopy: A new tool to monitor the fate of organic contaminants in plants
K.M. Dokken, L.C. Davis, L.E. Erickson, S. Castro-Diaz, N.S. Marinkovic
Microchemical J., 81:86-91, 2005
- 05-216-J Model reactions for insect cuticle sclerotization: Oxidative conjugation of cuticular proteins with catechols and their cross-linking catalyzed by laccases
R.J. Suderman, K.J. Kramer, N.T. Dittmer, M.R. Kanost
Insect Biochemistry and Molecular Biology, 36:353-365, 2006
- 05-217-J Identification of plasma proteinases inhibited by *Manduca sexta* serpin-4 and serpin-5 and their association with components of the prophenoloxidase activation pathway
Y. Tong, H. Jiang, M.R. Kanost
J. of Biological Chemistry, 280:14932-14942, 2005
- 05-218-J *Manduca sexta* serpin-4 and serpin-5 inhibit the prophenoloxidase activation pathway: cDNA cloning, protein expression, and characterization
Y. Tong, M.R. Kanost
J. of Biological Chemistry, 280:14923-14931, 2005
- 05-223-J Pectinmethylesterase from the rice weevil, *Sitophilus oryzae*: cDNA isolation and sequencing, genetic origin, and expression of the recombinant enzyme
Z. Shen, K. Pappan, N.S. Mutti, Q.-J. He, M. Denton, Y. Zhang, M.R. Kanost, J.C. Reese, G.R. Reeck
J. of Insect Science, 5:article 21, 2005
- 05-252-J Remediation of sites contaminated by oil refinery operations
S. Khaitan, S. Kalainesan, L.E. Erickson, P. Kulakow, S. Martin, R. Karthikeyan, S.L.L. Hutchinson, L.C. Davis, T.H. Illangasekare, C. Ng'oma
Environmental Progress, 25(1):20-31, 2006
- 05-262-J *Laccase 2* is the phenoloxidase gene required for beetle cuticle tanning
Y. Arkane, S. Muthukrishnan, R.W. Beeman, M.R. Kanost, K.J. Kramer
Proceedings of the National Academy of Sciences (USA), 102:11337-11342, 2005
- 05-321-J Ligand-induced effects on pyruvate dehydrogenase kinase isoform 2
Y. Hiromasa, L. Hu, T.E. Roche
J. of Biological Chemistry, 281:12568-12579, 2006
- 05-322-J The amino-terminal domain of ClpB supports binding to strongly aggregated proteins
M.E. Barnett, M. Nagy, S. Kedzierska, M. Zolkiewski
J. of Biological Chemistry, 280:34940-34945, 2005
- 05-325-J Regulatory roles of the N-terminal domain based on crystal structures of human pyruvate dehydrogenase kinase 2 containing physiological and synthetic ligands
T.R. Knoechel, A.D. Tucker, C.M. Robinson, C. Phillips, W. Taylor, P.J. Bungay, S.A. Kasten, T.E. Roche, D.G. Brown
Biochemistry, 45:402-415, 2006
- 05-332-J Expression of superoxide dismutase in whole lens prevents cataract formation
D. Lin, M. Barnett, L. Grauer, J. Robben, A. Jewell, L. Takemoto, D.J. Takemoto
Molecular Vision, 11:853-858, 2005

- 05-343-J Suppression of phospholipase D α 1 induces freezing tolerance in *Arabidopsis*: Response of cold-responsive genes and osmolyte accumulation
C.B. Rajashekar, H.-E. Zhou, Y. Zhang, W. Li, X. Wang
J. of Plant Physiology, 163(9):916-926, 2006
- 06-7-J PITX2A binds to human papillomavirus (HPV) type 18 E6 protein and inhibits E6-mediated P53 degradation in HeLa Cells
Q. Wei
J. of Biological Chemistry, 280:37790-37797, 2005
- 06-32-J Using SR-IMS to study the fate and transport of organic contaminants in plants
K.M. Dokken, L.C. Davis, N.S. Marinkovic
Spectroscopy, 20(9):14-20, 2005
- 06-60-J Double knockouts of phospholipases D ζ 1 and ζ 2 in *Arabidopsis* affect root elongation during phosphate-limited growth, but do not affect root hair patterning
M. Li, C. Qin, R. Welti, X. Wang
Plant Physiology, 140:761-770, 2006
- 06-95-J Profiling lipid changes in plant response to low temperatures
X. Wang, W. Li, M. Li, R. Welti
Physiologia Plantarum, 126:90-96, 2006
- 06-116-J A novel guanine nucleotide exchange factor, MyoGEF, is required for cytokinesis
Q. Wei, D. Wu, M. Asiedu, R.S. Adelstein
Cell Cycle, 5:1234-1239, 2006
- 06-143-J Quantitative profiling of polar glycerolipid species and the role of phospholipase D α 1 in defining the lipid species in *Arabidopsis* tissues
S. Devaiah, M. Roth, E. Baughman, M. Li, R. Jeannotte, R. Welti, X. Wang
J. of Phytochemistry, 67:1907-1924, 2006
- 06-166-J NMR structure and dynamic studies of anion binding, channel-forming heptapeptide
G. Cook, R. Pajewski, M. Aburi, P. Smith, O. Prakash, J. Tomich, G. Gokel
J. of the American Chemical Society, 128:1633-1638, 2006
- 06-167-J Design of 11-residue peptides with unusual biophysical properties: Induced secondary structure in the absence of water
X. Mo, Y. Hiromasa, A. Al-Rawi, M. Warner, T. Iwamota, T. Rahman, X.S. Sun, J.M. Tomich
Biophysical J., 94:1807-1817, 2008
- 06-234-J Domain stability in the AAA+ ATPase ClpB from *Escherichia coli*
M. Nagy, V. Akoev, M. Zolkiewski
Archives of Biochemistry and Biophysics, 453:63-69, 2006
- 06-293-J A camel passes through the eye of a needle: Protein unfolding activity of Clp ATPases
M. Zolkiewski
Molecular Microbiology, 61(5):1094-10100, 2006
- 06-304-J RNAi knockdown of a salivary transcript leading to lethality in the pea aphid, *Acyrtosiphon pisum*
N.S. Mutti, Y. Park, J.C. Reese, G.R. Reeck
J. of Insect Science, 6:article 38, 2006
- 06-334-J Proteolytic processing of delta-like 1 by ADAM proteases
E. Dyczynska, D. Sun, H. Yi, A. Zolkiewska, A. Sehara, C.P. Blobel
J. of Biological Chemistry, 282:436-444, 2007
- 07-11-J Genetic engineering, ecosystem change, and agriculture: An update
L.C. Davis
Biotechnology and Molecular Biology Reviews, 1:87-102, 2006
- 07-25-J Plant lipidomics: Discerning biological function by profiling plant complex lipids using mass spectrometry
R. Welti, J. Shah, W. Li, J. Chen, J.J. Burke, M.-L. Fauconnier, K. Chapman, M.-L. Chye, X. Wang
Frontiers in Bioscience, 12:2494-2506, 2007
- 07-46-J Pyruvate dehydrogenase kinase regulatory mechanisms and inhibition in treating diabetes, heart ischemia, and cancer
T.E. Roche, Y. Hiromasa
Cellular and Molecular Life Sciences, 64:830-849, 2007

- 07-78-J Influences of organic fertilization, high tunnel environment, and postharvest storage on phenolic compounds in lettuce
X. Zhao, J.E. Young, W. Wang, T. Iwamoto, E.E. Carey
HortScience, 42:71-76, 2007
- 07-126-J *Manduca sexta* hemolymph proteinase 21 activates prophenoloxidase activating proteinase 3 in an insect innate response protease cascade
M.J. Gorman, Y. Wang, H. Jiang, M.R. Kanost
J. of Biological Chemistry, 282:11742-11749, 2007
- 07-134-J Structure-activity relationships of fowlicidin-1, a cathelicidin antimicrobial peptide in chicken
Y. Xiao, H. Dai, Y. Bommineni, J. Soulages, Y. Gong, O. Prakash, G. Zhang
The Federation of European Biochemical Societies J. (FEBS), 273:2581-2593, 2006
- 07-135-J Fowlicidine-3 is an α -helical cationic host defense peptide with potent antibacterial and lipopolysaccharide-neutralizing activities
Y. Bommineni, H. Dai, Y. Gong, J. Soulages, S.C. Fernando, U. DeSivia, O. Prakash, G. Zhang
The Federation of European Biochemical Societies J. (FEBS), 274:418-428, 2007
- 07-213-J Protein kinase C- λ activation in the early streptozotocin diabetic rat lens
D. Lin, R. Harris, R. Stutzman, G.A. Zampighi, H. Davidson, D.J. Takemoto
Current Eye Research, 32:523-532, 2007
- 07-254-J Hydroxylation of tyrosine by phenoloxidase and tyrosine hydroxylase in *Manduca sexta*
M.J. Gorman, M.R. Kanost
Insect Biochemistry and Molecular Biology, 37:1327-1337, 2007
- 07-303-J Infrared imaging of sunflower and maize root anatomy
K.M. Dokken, L.C. Davis
J. of Agricultural and Food Chemistry, 55:10517-10530, 2007
- 08-30-J Critical role of specific ions for ligand-induced changes regulating pyruvate dehydrogenase kinase isoform 2
Y. Hiromasa, T.E. Roche
Biochemistry, 47:2298-2311, 2008
- 08-31-J Specific ion influences on self-association of pyruvate dehydrogenase kinase isoform 2 (PDHK2), binding of PDHK2 to the L2 lipoyl domain, and effects of the lipoyl group-binding site inhibitor, Nov3r
Y. Hiromasa, X. Yan, T.E. Roche
Biochemistry, 47:2312-2324, 2008
- 08-63-J Breast cancer-associated mutations in metalloprotease disintegrin ADAM12 interfere with the intracellular trafficking and processing of the protein
E. Dyczynska, E. Syta, A. Zolkiewska
International J. of Cancer, 122:2634-2640, 2008
- 08-133-J Domain organization and phylogenetic analysis of proteins from the chitin deacetylase gene family of *Tribolium castaneum* and three other species of insects
R. Dixit, Y. Arakane, C.A. Specht, C. Richard, K.J. Kramer, R.W. Beeman, S. Muthukrishnan
Insect Biochemistry and Molecular Biology, 38:440-451, 2008
- 08-192-J ADAM proteases and the notch pathway
A. Zolkiewska
Cellular and Molecular Life Sciences, 65:2056-2068, 2008
- 08-222-J Functional specialization among insect chitinase family genes revealed by RNA interference
Q. Zhu, Y. Arakane, R.W. Beeman, K.J. Kramer, S. Muthukrishnan
Proceedings of the National Academy of Sciences (USA), 105:6650-6655, 2008
- 08-266-J Characterization of the multicopper oxidase gene family in *Anopheles gambiae*
M.J. Gorman, N.T. Dittmer, J.L. Marshall, M.R. Kanost
Insect Biochemistry and Molecular Biology, 38:817-824, 2008
- 08-325-J A novel protein from the salivary glands of the pea aphid, *Acyrtosiphon pisum*, is essential in feeding on a host plant
N.S. Mutti, J. Louis, L.K. Pappan, K. Pappan, K. Begum, M.S. Chen, Y. Park, N. Dittmer, J. Marshall, J.C. Reese, G.R. Reeck
Proceedings of the National Academy of Sciences (USA), 105:965-9969, 2008

Publications without contribution numbers

Molecular cloning and characterization of three β -defensins from canine testis
Y. Sang, M.T. Ortega, F. Blecha, O. Prakash, T. Melgarejo
Infection and Immunity, 73(5):2611-2620, 2005

Antioxidant capacity of leafy vegetables as affected by high tunnel environment, fertilisation and growth stage
X. Zhao, T. Iwamoto, E. Carey
J. of the Science of Food and Agriculture, 87:2692-2699, 2007

Biological and Agricultural Engineering

98-36-J Weed detection using color machine vision
M.S. El-Faki, N. Zhang, D.E. Peterson
Transactions of the ASAE, 43(6):1969-1978, 2000

00-15-J What ag students say motivates them to learn
K.R. Mankin, S. Flores, K.M. Boone, M. Willyard
NACTA J., 48(4):6-11, 2004

00-95-J Effectiveness of a polarized laser light for measuring soil moisture content
Y. Sun, N. Zhang, N. Wang, M. Wang, T. Loughin
Transactions of the ASAE, 43(6):1963-1968, 2000

00-114-J Design of an optical weed sensor using plant spectral characteristics
N. Wang, N. Zhang, F.E. Dowell, Y. Sun, D.E. Peterson
Transactions of the ASAE, 44(2):409-419, 2005

00-115-B Air quality issues associated with livestock production
R.G. Maghirang, V.P. Murphy
In: *Animal waste containment in lagoons, ASCE manuals and reports on engineering practice*, No. 105, L.N. Reddi (Ed.). Reston, VA: American Society of Civil Engineers, pp. 145-181, 2005

01-32-J Assessment of runoff and sediment yield using remote sensing, GIS, and AGNPS
S.J. Bhuyan, L. Marzen, J.K. Koelliker, J.A. Harrington, Jr., P.L. Barnes
J. of Soil and Water Conservation, 57(6):351-364, 2002

01-264-J Reflectance spectroscopy and transmittance spectroscopy applied to detecting fumonisin in single corn kernels infected with *Fusarium verticillioides*
F.E. Dowell, T.C. Pearson, E.B. Maghirang, F. Xie, D.T. Wicklow
J. of Cereal Chemistry, 79(2):222-226, 2002

01-319-J Field evaluation of vegetative filter effectiveness and runoff quality from unstocked feedlots
K.R. Mankin, P.L. Barnes, J.P. Harner, P.K. Kalita, J.D. Boyer
J. of Soil and Water Conservation, 61(4):209-216, 2006

01-426-J Sorting systems based on optical methods for detecting and removing seeds infested internally by insects or fungi: A review
M.C. Pasikatan, F.E. Dowell
Applied Spectroscopy, 36(4):399-416, 2001

01-427-J Technical note: Fate and transport of jet fuel (JP-8) in soils with selected plants
R. Karthikeyan, K.R. Mankin, L.C. Davis, L.E. Erickson
International J. of Phytoremediation, 5(4):281-292, 2003

01-438-J Modeling jet fuel (JP-8) fate and transport in soils with plants
R. Karthikeyan, K.R. Mankin, L.C. Davis, L.E. Erickson
International J. of Phytoremediation, 5(4):293-314, 2003

02-107-B General system design principles
G.A. Clark, D. Haman, G.F. Prochaska, M. Yitayew
In: *Microirrigation for crop production*, Vol. 13: Design, operation, and management, F.R. Lamm, J.E. Ayers, F.S. Nakayama (Eds.). Amsterdam, the Netherlands: Elsevier, pp. 161-220, 2007

02-114-J Processes of soil erosion by wind
L.J. Hagen
Annals of Arid Zone, 40(3):235-254, 2002

02-257-J Hardness measurement of bulk wheat by single-kernel visible and near-infrared reflectance spectroscopy
E.B. Maghirang, F.E. Dowell
J. of Cereal Chemistry, 80(3):316-322, 2003

- 02-260-J Determining wheat vitreousness using image processing and a neural network
N. Wang, F. Dowell, N. Zhang
Transactions of the ASAE, 46(4):1143-1150, 2003
- 02-393-J Classification of damaged soybean seeds using near-infrared spectroscopy
D. Wang, M.S. Ram, F.E. Dowell
Transactions of the ASAE, 45(6):1943-1948, 2002
- 02-395-J Batch reactor unvegetated wetland performance in treating dairy wastewater
K.R. Mankin, C.D. Ikenberry
J. of the American Water Resources Association, 40(6):1527-1535, 2004
- 02-401-A Detecting single wheat kernels containing live or dead insects using near-infrared reflectance spectroscopy
E.B. Maghirang, F.E. Dowell, J.E. Baker, J.E. Throne
Proceedings of the ASAE Annual International Meeting, 2002, pp. 1-10, Paper No. 023067
- 02-408-J The irrigage: A non-evaporating in-field precipitation gauge
G.A. Clark, D.H. Rogers, E. Dogan, R. Krueger
Applied Engineering in Agriculture, 20(4):463-466, 2004
- 02-431-A Measurement of air entrainment and dust emission during corn unloading operations
R.D. Billate, R.G. Maghirang, M.E. Casada
Proceedings of the ASAE Annual International Meeting, 2002, 10 pp.
- 02-432-A Identity preservation in grain handling operations at a country elevator
M.E. Ingles, M. Casada, R.G. Maghirang
Proceedings of the ASAE Annual International Meeting, 2002, 9 pp.
- 02-438-A Measurement of particulate emission rates from mechanically ventilated swine barns
B.Z. Predicala, R.G. Maghirang
Proceedings of the ASAE Annual International Meeting, 2002
- 02-444-A Characterization of volatile organic compounds in airborne dust
E.B. Razote, R.G. Maghirang, L.M. Seitz, I.J. Jeon
Proceedings of the ASAE Annual International Meeting, 2002
- 02-462-J Watershed-scale antecedent moisture selection for hydrologic modeling
S.J. Bhuyan, K.R. Mankin, J.K. Koelliker
Transactions of the ASAE, 46(2):303-310, 2003
- 02-474-J Function modification of vital wheat gluten with corn syrup using hydrothermal treatment
H. Singh, F. MacRitchie, M.R. Roth, Y. Kim, R.L. Madl, T.J. Herald
J. of the Science of Food and Agriculture, 86(2):251-257, 2005
- 02-493-J An integrated approach for water quality assessment of watersheds
S.J. Bhuyan, J.K. Koelliker, L. Marzen, J.A. Harrington
Environmental Modelling & Software, 18:473-484, 2003
- 03-54-J Simultaneous measurement of soil water content and salinity using a frequency-response method
N. Zhang, G. Fan, K.H. Lee, G. Kluitenberg, T. Loughin
Soil Science Society of America J., 68(5):1515-1525, 2004
- 03-88-J Watershed-lake water quality modeling: Verification and application
K.R. Mankin, S.H. Wang, J.K. Koelliker, D.G. Huggins, J.F. deNoyelles
J. of Soil and Water Conservation, 58(4):188-197, 2003
- 03-98-J Near-infrared spectroscopic methods to identify *Cotesia flavipes* and *C. sesamiae* (Hymenoptera: Braconidae)
T.J. Cole, M.S. Ram, F.E. Dowell, C.O. Omwega, W.A. Overholt, S.B. Ramaswamy
Annals of the Entomological Society of America, 96(6):865-869, 2003
- 03-129-J Effectiveness of high pressure, water fogging system in controlling dust emissions at grain receiving
D.L. Brabec, R.G. Maghirang, M.E. Casada
Transactions of the ASAE, 47(2):505-511, 2004
- 03-145-J Evaluation of the wind erosion prediction system (WEPS) erosion submodel on cropland fields
L.J. Hagen
Environmental Modelling & Software, 2:171-176, 2004

- 03-163-J Classification of fungal-damaged soybean seeds using near-infrared spectroscopy
D. Wang, F.E. Dowell, M.S. Ram, W.T. Schapaugh
International J. of Food Properties, 6:1-8, 2003
- 03-178-J Handling effects on commingling and residual grain in an elevator
M.E. Ingles, M.E. Casada, R.G. Maghirang
Transactions of the ASAE, 46(6):1625-1631, 2003
- 03-206-J EDTA-assisted heavy-metal uptake by poplar and sunflower grown at a long-term sewage-sludge farm
M.S. Liphadzi, M.B. Kirkham, K.R. Mankin, G.M. Paulsen
Plant and Soil, 257(1):171-182, 2003
- 03-227-J Measurement of particulate matter emission rates from mechanically ventilated swine barns
B.Z. Predicala, R.G. Maghirang
Transactions of the ASAE, 47(2):557-565, 2004
- 03-248-J Effects of cell size on AGNPS inputs and predictions
K.R. Mankin, S.J. Bhuyan, J.K. Koelliker
J. of Environmental Hydrology, 12(December), Paper 22, 2004
- 03-249-J Survival of fecal bacteria in dairy cow manure
L. Wang, K.R. Mankin, G.L. Marchin
Transactions of the ASAE, 47(4):1239-1246, 2004
- 03-262-J Biologically defined soil organic matter pools as affected by rotation and tillage
G.L. Doyle, C.W. Rice, D.E. Peterson, J.M. Steichen
Environmental Management, 33(1):S528-S538, 2004
- 03-291-J Wet strength and water resistance of modified soy protein adhesives, and as affected by drying treatment
Z. Zhong, X.S. Sun, D. Wang, J. Ratto
J. of Polymers and the Environment, 11(4):137-144, 2003
- 03-304-A Numerical simulation of particulate emissions from mechanically ventilated swine barns
B.Z. Predicala, R.G. Maghirang
Transactions of the ASAE, 46(6):1685-1694, 2003
- 03-324-J Granulation sensing of first-break ground wheat using a near-infrared reflectance spectrometer
M.C. Pasikatan, C.K. Spillman, G.L. Steele, E. Haque, G.A. Milliken
Association of Operative Millers Technical Bulletin, 7947-7952, 2003
- 03-330-J Field evaluation of the dual-probe heat-pulse method for measuring soil water content
J.L. Heitman, J.M. Basinger, G.J. Kluitenberg, J.M. Ham, J.M. Frank, P.L. Barnes
Vadose Zone J., 2(4):552-560, 2003
- 03-334-J Characterization of volatile of organic compounds on airborne dust in a swine finishing barn
E.B. Razote, R.G. Maghirang, L.M. Seitz, I.J. Jeon
Transactions of the ASAE, 47:1231-1238, 2004
- 03-335-J Measurement of particulate emissions from corn receiving operations with simulated hopper bottom trucks
R.D. Billate, R.G. Maghirang, M.E. Casada
Transactions of the ASAE, 47(2):521-529, 2004
- 03-351-J Potential of plant-based remediation of pesticide contaminated soil and water using non-target plants such as trees, shrubs, and grasses
R. Karthikeyan, L.C. Davis, L.E. Erickson, K. Al-Khatib, P.A. Kulakow, P.L. Barnes, S.L. Hutchinson, A.A. Nurzhanova
Critical Reviews in Plant Sciences, 23(1):91-101, 2004
- 03-378-A Evaluation of collector size for the measurement of irrigation depths
E. Dogan, G.A. Clark, D.H. Rogers, V.L. Martin
Proceedings of the ASAE Annual International Meeting, 2003, 16 pp., Paper no. 032007
- 03-403-J Development of a best management practice for nitrogen fertigation of corn using SDI
F.R. Lamm, A.J. Schlegel, G.A. Clark
Applied Engineering in Agriculture, 20(2):211-220, 2004
- 03-405-J Thermal properties and adhesion strength of modified soybean storage protein
X. Mo, X. Sun, D. Wang
J. of the American Oil Chemists' Society, 81(4):395-399, 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
- 03-422-J A runoff sampling system for riparian buffers
D.M. Ngandu, K.R. Mankin
Applied Engineering in Agriculture, 20(5):593-598, 2004
- 03-423-S Agronomy field research 2003
L.D. Maddux, S. Staggenborg, K.A. Janssen, D.A. Whitney, G.M. Pierzynski, J.L. Moyer, C.M. Taliaferro, W.B. Gordon, M.M. Claassen, G.E. Wilde, K.L. Roozeboom, D.L. Fjell, D.L. Regehr, R.E. Lamond, R. Aiken, L.D. Charlet, R.D. Stockton, M. Tuinstra, K. Kofoid, V.L. Martin, R. Hale, D. Blasi, W.F. Heer, R.R. Janke, S.R. Duncan, D. O'Brien, D. Belshe, D.E. Peterson, T.M. Maxwell
KS Agric. Exp. Stn. Report of Progress 913, Jan. 2004
- 03-426-B Straw-based biomass and biocomposites
X. Mo, D. Wang, X. Sun
In: Natural fibers, biopolymers and biocomposites, A.K. Mohanty, M. Misra, L.T. Drzal (Eds.). CRC Press, pp. 473-496, 2005
- 04-035-J Effect of planter speed and seed firmers on corn stand establishment
S. Staggenborg, R. Taylor, L. Maddux
Applied Engineering in Agriculture, 20(5):573-580, 2004
- 04-048-J Dynamic testing of GPS receivers
R.K. Taylor, M.D. Schrock, J. Bloomfield, G. Bora, G. Brockmeier, W. Burton, B. Carlson, J. Gattis, R. Groening, J. Kopriva
Transactions of the ASAE, 47(4):1017-1028, 2004
- 04-052-J Determining vitreousness of durum wheat using transmitted and reflected images
N. Wang, N. Zhang, F. Dowell, T. Pearson
Transactions of the ASAE, 48(1):219-222, 2005
- 04-089-J Characterization and modeling of a high-pressure water-fogging system for grain dust control
D. Brabec, R.G. Maghirang, M. Casada, E. Haque
Transactions of the ASAE, 48(1):331-339, 2005
- 04-096-A Evaluation of collector size for the measurement of irrigation depths
J.A. Clark, E. Dogan, D.H. Rogers, V.L. Martin
Proceedings of the Irrigation Association Technical Conference
San Diego, CA, 2003, 10 pp.
- 04-116-J Detecting vitreous wheat kernels using reflectance and transmittance image analysis
F. Xie, T. Pearson, F.E. Dowell, N. Zhang
Cereal Chemistry, 81(5):594-597, 2004
- 04-129-S Dairy day 2003
J.S. Stevenson, J.D. Olson, M.J. Brouk, J.F. Smith, J.P. Harner, A.K. Hammond, W.F. Miller, A.F. Park, B.M. Rosario, L. McVay, F. Aramouni, K.A. Schmidt, E.L. Burkitt, J.E. Shirley, M.V. Scheffel, E.C. Titgemeyer, J.R. Roberson, M.V. Burgos, M.A. Portaluppi
KS Agric. Exp. Stn. Report of Progress 919, Nov. 2003
- 04-150-S 2004 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.E. Peterson, D.L. Regehr, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 917, Jan. 2004
- 04-210-T Bioretention cell: An island of green in a sea of asphalt
T.L. Culbertson, S.L. Hutchinson
Resource: Engineering and Technology for a Sustainable World, 11(2):9-10, 2004
- 04-271-J *Escherichia coli* sorption to sand and silt loam soil
K.R. Mankin, L. Wang, S.L. Hutchinson, G.L. Marchin
Transactions of the ASAE, 50(4):1159-1165, 2007
- 04-317-J Riparian ecosystem management model: Sensitivity to soil, vegetation, and weather input parameters
I.-J. Kim, S.L. Hutchinson, J.M. Shawn Hutchinson, C.B. Young
J. of the American Water Resources Association, 43(5):1171-1182, 2007

- 04-331-S Agronomy field research 2004
K.A. Janssen, M.M. Claassen, W.B. Gordon, L.D. Maddux, W.F. Heer, G. Cross, L.J. Ferdinand, D. Fjell, R. Gehl, R.R. Janke, K.W. Kelley, R. Lamond, J.L. Moyer, G.M. Pierzynski, D.L. Regehr, K. Roozeboom, J.P. Schmidt, S. Staggenborg, L.R. Stone, R. Taylor, C.M. Taliaferro, C. Rost
KS Agric. Exp. Stn. Report of Progress 928, Feb. 2005
- 04-352-A Grain commingling at receiving in a county elevator
M.E. Ingles, M.E. Casada, R.G. Maghirang, T.J. Herrman
Proceedings of the International Quality Grains Conference
Purdue University, USA, 2004, 14 pp.
- 04-361-A Crop water allocation program
N.L. Klocke, G.A. Clark, S. Briggeman, T.J. Dumler, L.R. Stone
Proceedings of the 21st Annual Water and the Future of Kansas Conference
Lawrence, KS, 2004, 1 pp.
- 04-381-J Technical note: Development of water-usage coefficients for a fully watered tallgrass prairie
S.L. Hutchinson, J.K. Koelliker, A.K. Knapp
Transactions of the ASAE, 51(1):153-159, 2008
- 04-398-A Dust-emission potential of cattle feedlots as affected by feedlot surface characteristics
E. Razote, R. Maghirang, B. Predicala, J. Murphy, B. Auvermann, J. Harner, W.L. Hargove
Proceedings of the ASAE/CSAE Annual International Meeting
Ottawa, Ontario, Canada, 2004, pp. 1-4
- 04-403-S K-State turfgrass research 2004
J. Fry, R. Bauernfeind, D. Bremer, J. Griffin, S. Keeley, L. Leuthold, R. Taylor, N. Tisserat, T. Warner, R. Wolf, K. Su, J. Ham, D. Stuntz, A. Zuk, T. McClellan, Q. Zhang, K. Lowe, N. Tisserat, L.R. Parsons, M. Fagerness
KS Agric. Exp. Stn. Report of Progress 929, June 2004
- 04-413-J Ethanol production from extrusion-cooked grain sorghum
X. Zhan, D. Wang, S.R. Bean, X. Mo, X.S. Sun, D. Boyle
Industrial Crops and Products, 23:304-310, 2006
- 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
- 04-423-A Physical and electronic tools to enhance on-farm irrigation system management
A. Clark, D.H. Rogers
Proceedings of the CIGR International Conference
Beijing, China, 2004, 10 pp.
- 05-17-J Evaluation of collector size for the measurement of irrigation depths
E. Dogan, G.A. Clark, D.H. Rogers, V.L. Martin
Applied Engineering in Agriculture, 22(1):63-72, 2006
- 05-25-A Design philosophy behind MCREW - management/crop rotation editor for WEPS
L.E. Wagner
Proceedings of the ASAE/CSAE Annual International Meeting
Ottawa, Ontario, Canada, 2004, 10 pp., Paper no. 023067
- 05-66-J Thermal properties of adhesives of cationic detergent modified soy protein
Y. Wang, D. Wang, X.S. Sun
J. of the American Oil Chemists' Society, 82(5):357-363, 2005
- 05-72-J Calibration and validation of ADAPT and SWAT for field-scale runoff prediction
S. Anand, K.R. Mankin, K.A. McVay, K.A. Janssen, P.L. Barnes, G.M. Pierzynski
J. of the American Water Resources Association, 43(4):899-910, 2007
- 05-93-A Water temperature effects on the discharge rate of collapsible emitting hose
G. Clark, F. Lamm, D. Rogers
Proceedings of the Irrigation Association International Meeting and Tradeshow
Tampa, FL, 2004, pp. 424-434

- 05-112-S Dairy day 2004
L.L. Francis, J. Lee, D.H. Chambers, I.J. Jeon, S.R. Simmons, K.A. Schmidt, S. Banala, M. Brouk, S.H. Kong, D.V. Armstrong, J.F. Smith, V. Wuthironarith, J.P. Harner, III, W.F. Miller, B. Cvetkovic, J.E. Shirley, J. Rottinghaus, E.C. Titgemeyer, L.C. Hollis, M.J. Meyer, R.W. Everett, M.E. Van Amburgh, B.J. Johnson, J.S. Stevenson, A.P. Phatak, S.M. Tiffany
KS Agric. Exp. Stn. Report of Progress 941, Oct. 2004
- 05-132-A Crop water allocator for limited irrigation
N.L. Klocke, G.A. Clark, S. Briggeman, L. Stone, T.J. Dumler
Proceedings of the High Plains Groundwater Conference
Lubbock, TX, 2004, pp. 196-206
- 05-143-S 2005 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 942, Jan. 2005
- 05-170-J On-farm scheduling studies and CERES-maize simulation of irrigated corn
E. Dogan, G.A. Clark, D.H. Rogers, V.L. Martin, R.L. Vanderlip
Applied Engineering in Agriculture, 22(4):509-516, 2006
- 05-173-J Sensitivity of thin-walled drip tape emitter discharge to temperature
G. Clark, F. Lamm, D. Rogers
Applied Engineering in Agriculture, 21(5):855-863, 2005
- 05-178-J Isoelectric pH of polyamide-epichlorohydrin modified soy protein improved water resistance and adhesive strength
Z. Zhong, X.S. Sun, D. Wang
J. of Applied Polymer Science, 103(4):2261-2270, 2006
- 05-179-J Grass-shrub riparian buffer removal of sediment, phosphorus, and nitrogen from simulated runoff
K.R. Mankin, D.M. Ngandu, C.J. Barden, S.L. Hutchinson, W.A. Geyer
J. of the American Water Resources Association, 43(5):1108-1116, 2007
- 05-205-J In situ measurements of nitrate leaching implicate poor nitrogen and irrigation management on sandy soils
R.J. Gehl, J.P. Schmidt, L.R. Stone, A.J. Schlegel, G.A. Clark
J. of Environmental Quality, 34(6):2243-2254, 2005
- 05-206-A Key considerations for a successful subsurface drip irrigation (SDI) system
D.H. Rogers, F.R. Lamm
Proceedings of the Central Plains Irrigation Conference and Exposition
Sterling, CO, 2005, pp. 113-118
- 05-219-J Dust deposition near an eroding source field
L.J. Hagen, S. Van Pelt, T.M. Zobeck, A. Retta
Earth Surface Processes and Landforms, 32(2):281-289, 2007
- 05-225-J Effect of corticating sorghum on ethanol production and composition of DDGS
D.Y. Corredor, S.R. Bean, T. Schober, D. Wang
Cereal Chemistry, 83(1):17-21, 2006
- 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
- 05-252-J Remediation of sites contaminated by oil refinery operations
S. Khaitan, S. Kalainesan, L.E. Erickson, P. Kulakow, S. Martin, R. Karthikeyan, S.L.L. Hutchinson, L.C. Davis, T.H. Illangasekare, C. Ng'oma
Environmental Progress, 25(1):20-31, 2006
- 05-263-J Soybean glyceinin subunits: Characterization of physico-chemical and adhesion properties
X. Mo, Z. Zhong, D. Wang, X. Sun
J. of Agricultural and Food Chemistry, 54(20):7589-7593, 2006
- 05-287-A Crop water allocation for limited ground water
N.L. Klocke, L.R. Stone, G.A. Clark, T.J. Dumler, S. Briggeman
Proceedings of the ASAE Annual International Meeting
Tampa, FL, 2005, 11 pp., Paper no. 051287

- 05-297-J Ethanol production from pearl millets using *Saccharomyces cerevisiae*
X. Wu, D. Wang, S.R. Bean, J.P. Wilson
Cereal Chemistry, 83(2):127-131, 2006
- 05-305-A Laboratory evaluation of abatement measures for mitigating dust emission from cattle feedlots
E.B. Razote, R.G. Maghirang, J.P. Murphy, B.W. Auvermann, J.P. Harner, III, T.V. Pjesky, W.L. Hargrove
Proceedings of the ASAE Annual International Meeting
Tampa, FL, 2005, Paper No. 054008
- 05-306-S K-State turfgrass research 2005
B. Bauernfeind, D. Bremer, J. Fry, J. Griffin, S. Keeley, L. Leuthold, R. Taylor, T. Warner, B. Wolf
KS Agric. Exp. Stn. Report of Progress 946, Aug. 2005
- 05-340-S Field day 2005, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, D. Leikam, B. Olson, M. Alam, N. Klocke, R. Currie, M. Brouk, R. Aiken, G. Clark, L. Buschman, P. Sloderbeck, M. Witt, R. Hale, D. Henson, G. Gold, C. MacKown, T. Herrman
KS Agric. Exp. Stn. Report of Progress 945, Aug. 2005
- 06-3-J Soy protein adhesive performance enhanced by esterification
Y. Wang, X.S. Sun, D. Wang
Transactions of the ASAE, 49(3):713-719, 2006
- 06-26-J Comparison of interseeding lespedeza with additional nitrogen fertilization on forage production and steer performance in a wheat-crabgrass grazing system
L.W. Lomas, J.L. Moyer, F.K. Brazle, G.L. Kilgore, G.A. Milliken
The Professional Animal Scientist, 22:1-7, 2006
- 06-28-J Water allocation model for limited irrigation
N.L. Klocke, L.R. Stone, G.A. Clark, T.J. Dumler, S. Briggeman
Applied Engineering in Agriculture, 22(3):381-389, 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
- 06-55-A Tapered lateral design for subsurface drip irrigation
G. Clark, N. Dudley, M. Roberts, D. Rogers
Proceedings of the Irrigation Association Technology Conference
Phoenix, AZ, 2005, pp. 6-14
- 06-87-J Development of a strip seeder for converting perennial ryegrass turf to seeded bermudagrass
J. Fry, R. Taylor, R. Wolf, D. Stuntz, A. Zuk
HortTechnology, 17:363-367, 2007
- 06-123-A Optimizing water allocations and crop selections for limited irrigation
N.J. Klocke, L.R. Stone, G.A. Clark, T.J. Dumler, S. Briggeman
Proceedings of the 26th Annual International Irrigation Association Technical Conference
Phoenix, AZ, 2005, 4 pp.
- 06-125-S 2006 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 958, Jan. 2006
- 06-173-J Effects of amylose amylopectin ratio, corn protein, and corn fiber contents on ethanol production
X. Wu, R. Zhao, D. Wang, S.R. Bean, P.A. Seib, M.R. Tuinstra, M. Campbell, A. O'Brien
Cereal Chemistry, 83(5):569-575, 2007
- 06-186-J Ratios of erosive wind energies on dry days and all days in the western United States
L.J. Hagen
Transactions of the ASAE, 50(6):1981-1986, 2007
- 06-197-A Criteria for successful adoption of SDI systems
D.H. Rogers, F.R. Lamm
Proceedings of the Central Plains Irrigation Conference
Colby, KS, 2007, pp. 57-66

- 06-201-A Crop selections and water allocations for limited irrigation
N.L. Klocke, L.R. Stone, T.J. Dumler, G.A. Clark, S. Briggeman
Proceedings of the Central Plains Irrigation Conference
Colby, KS, 2006, p. 151-161
- 06-208-A Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet
F.R. Lamm, D.M. O'Brien, D.H. Rogers, T.J. Dumler
Proceedings of the Central Plains Irrigation Conference and Exposition
Colby, KS, 2006, pp. 86-93
- 06-252-J Soy protein adhesion enhanced by glutaraldehyde crosslink
Y. Wang, X.S. Sun, D. Wang
J. of Applied Polymer Science, 104(1):130-136, 2007
- 06-310-J Effects of preheating treatment on thermal property and adhesion performance of soy protein isolates
Y. Wang, X.S. Sun, D. Wang
J. of Adhesion Science and Technology, 21(15):1469-1481, 2007
- 06-337-S K-State turfgrass research 2006
D. Bremer, K. Su, S. Keeley, J. Fry, R. Jeannotte, R. Welti, M. Engelke, D. Genovesi, C. Rajashekar, H. Lee, L.R. Parsons, Q. Zhang
KS Agric. Exp. Stn. Report of Progress 962, Aug. 2006
- 06-354-A Durability and breakage of feed pellets during repeated elevator handling
J.M. Boac, R.G. Maghirang, M.E. Casada
Proceedings of the ASABE Annual International Meeting
Portland, OR, 2006, 11 pp.
- 06-361-J Pretreatment and enzymatic hydrolysis of sorghum fiber
D.Y. Corredor, S. Bean, D. Wang
J. of Cereal Chemistry, 84(1):61-66, 2007
- 06-362-J Factors impacting ethanol production from grain sorghum in the dry-grind process
X. Wu, R. Zhao, S.R. Bean, P.A. Seib, J.S. McLauren, R.L. Madl, M.R. Tuinstra, M.C. Lenz, D. Wang
J. of Cereal Chemistry, 84(2):130-136, 2007
- 07-5-J Effectiveness of electrostatically-charged water spray in reducing dust concentration in enclosed spaces
E. Almuhanha, R.G. Maghirang, J.P. Murphy, L.E. Erickson
Transactions of the ASABE, 51(1):279-286, 2008
- 07-6-J Laboratory evaluation of nanostructured and conventional particles in clearing smoke in enclosed spaces
R. Yadav, R.G. Maghirang, L.E. Erickson, B. Kakumanu, S.G. Castro
Fire Safety J., 43(1):36-41, 2008
- 07-18-A Evaluation of collector size for low pressure, fixed-plate sprinklers for center pivots
G.A. Clark, D. Rogers, M. Alam
Proceedings of the Irrigation Association Technology Conference
Falls Church, VA, 2006, pp. 38-373
- 07-33-A Photocatalytic oxidation of bioaerosols and volatile organic compounds in air using titanium dioxide
L. Vera, L. Erickson, R. Maghirang, K. Klabunde
Proceedings of the 35th Annual Biochemical Engineering Symposium, 2006, pp. 96-104
- 07-34-S Field day 2006, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, M. Alam, N. Klocke, R. Aiken, R. Currie, G. Clark, D.H. Rogers, K. Shaw, P. Rickabaugh, G. Gold, L. Buschman, P. Sloderbeck, H. Davis
KS Agric. Exp. Stn. Report of Progress 961, Aug. 2006
- 07-39-A Economics of irrigation ending date for corn
M. Alam, T.J. Dumler, D.H. Rogers, K. Shaw
Proceedings of the Irrigation Association Annual Conference, 2007, 9 pp.
- 07-59-J Automating measurement of forage mass in pasture
J.L. Moyer, M.D. Schrock
Forage and Grazinglands, 2007
Published online,
doi:10.1094/FG-2007-0419-01-RS

- 07-118-S Dairy research 2006
B. Bradford, J.S. Stevenson, D.E. Tenhouse, R.L. Krisher, G.C. Lamb, C.R. Dahlen, J.E. Larson, J.R. Pursley, N.M. Bello, P.M. Fricke, M.C. Wiltbank, D.J. Brusveen, M. Burkhart, R.S. Youngquist, H.A. Garverick, B.S. Buttrey, M.G. Burns, C.A. Martel, W.E. Brown, J.P. Harner, J.F. Smith, M.J. Brouk
KS Agric. Exp. Stn. Report of Progress 965, Dec. 2006
- 07-133-J Morphology and phase separation of hydrophobic clusters of soy globular protein polymers
X.S. Sun, D. Wang, L. Zhang, X. Mo, L. Zhu, D. Boyle
Macromolecular Bioscience, 8:295-303, 2007
- 07-138-S 2007 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 977, Jan. 2007
- 07-149-A Ambient PM₁₀ concentrations at a beef cattle feedlot in Kansas
E.B. Razote, R.G. Maghirang, J.P. Murphy, B.W. Auvermann, J.P. Harner, III, D.L. Oard, W.L. Hargrove, J.M. Sweeten
Proceedings of the International Symposium on Air Quality and Waste Management for Agriculture
Broomfield, CO, 2007
- 07-195-J Effects of preheating treatment on thermal property and adhesion performance of soy protein isolates
Y. Wang, X.S. Sun, D. Wang
J. of Adhesion Science and Technology, 21(15):1469-1481, 2007
- 07-221-A Management implications for a poplar phytoremediation plantation
L.E. Christianson, S.L. Hutchinson, G.A. Clark, C.J. Barden
Proceedings of the ASABE Annual International Conference
Minneapolis, MN, 2007, Paper No. 077098
- 07-278-J Updating soil surface conditions during wind erosion events using the wind erosion prediction system (WEPS)
L.J. Hagen
Transactions of the ASABE, 51(1):129-137, 2008
- 07-285-A Modeling alternative treatment systems for CAFOs in Kansas
S.M. Tolle, J.K. Koelliker, K.R. Mankin, J.P. Harner
Proceedings of the ASABE Annual International Conference
Minneapolis, MN, 2007, Paper No. 074077
- 07-318-J Functional modification of vital wheat gluten with corn syrup using hydrothermal treatment
H. Singh, F. MacRitchie, Y. Kim, R. Madl, T. Herald
J. of the Science of Food and Agriculture, 86:251-257, 2006
- 08-14-S Field day 2007, Southwest Research-Extension Center
J. Elliot, A. Schlegel, L. Stone, H.D. Bond, M. Alam, C. Thompson, T. Dumler, J. Holman, S. Maxwell, G. Miller, M. Spangler, N. Klocke, D. Tomsicek, R. Currie, M. Brouk, R. Aiken, J. Peterson, D.H. Rogers, G.A. Clark, K. Shaw, D. Peterson, J. Lee, B. Fast, D. Murray, L. Buschman, T. taka Niide, W. Schapaugh, W.B. Gorden, H. Davis, P. Sloderbeck
KS Agric. Exp. Stn. Report of Progress 980, Apr. 2007
- 08-134-S 2008 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 994, Jan. 2008
- 08-245-A Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet - 2008
F.R. Lamm, D.M. O'Brien, D.H. Rogers, T.J. Dumler
Proceedings of the Central Plains Irrigation Conference
Greeley, CO, 2008, pp. 61-70
- 08-250-S Sedimentation in our reservoirs: Causes and solutions
T. Streeter, W.L. Hargrove, F. deNoyelles, M. Jakubauskas, D.G. Huggins, R.C. Everhart, A. Dzialowski, J. Kritz, D.S. Baker, D. Devlin, P. Barnes, J. Williams, C. Smith, M.A. Townsend, N.O. Nelson, D. Goard, D. Presley
KS Agric. Exp. Stn. Special Publication (UNN), June 2008

08-293-J Attitudes of Great Plains producers about best management practices, conservation programs, and water quality
C.M. Smith, J.M. Peterson, J.C. Leatherman
J. of Soil and Water Conservation, 62:97A-103A, 2007

08-330-J Effects of growing location and irrigation on attributes and ethanol yields of selected grain sorghums
X. Wu, R. Zhao, L. Liu, S. Bean, P.A. Seib, J. McLaren, R. Madl, M. Tuinstra, M. Lenz, D. Wang
Cereal Chemistry, 85(4):495-501, 2008

08-350-A Features and fermentation performance of sweet sorghum juice after harvest
X. Wu, S. Staggenborg, J.L. Propheter, W. Rooney, J. Yu, D. Wang
Proceedings of the ASABE Annual International Meeting
Providence, RI, 2008, Paper no. 080037

09-035-J Grain sorghum is a viable feedstock for ethanol production
D. Wang, S. Bean, J. McLaren, P. Seib, R. Madl, M. Tuinstra, Y. Shi, M. Lenz, X. Wu, R. Zhao
J. of Industrial Microbiology Biotechnology, 35:313-320, 2008

Publications without contribution numbers

Escherichia coli transport through silt loam soil column
L. Wang, K. Mankin, G.L. Marchin
Proceedings of the American Water Research Association 2003 Spring Specialty Conference: Agricultural Hydrology and Water Quality
Kansas City, MO, 2003

Kinetic model for *Escherichia coli* transport through sand columns
L. Wang, K. Mankin, G.L. Marchin
Proceedings of the 2003 ASAE Annual Meeting, 2003

Impact of mashing on sorghum proteins and its relationship to ethanol fermentation
R. Zhao, S.R. Bean, B.P. Ioerger, D. Wang, D.L. Boyle
J. of Agricultural and Food Chemistry, 56:946-953, 2008

Biology

00-254-J Resistance and resilience of macroinvertebrate assemblages to drying and flood in a tallgrass prairie stream system
K.M. Fritz, W.K. Dodds
Hydrobiologia, 527:99-112, 2004

01-152-J Fire and grazing regulate belowground processes in tallgrass prairie
L.C. Johnson, J.R. Matchett
Ecology, 82:337-3388, 2001

01-290-J A genetic neural network model of flowering time control in *Arabidopsis thalaitiana*
S.M. Welch, J.L. Roe, Z. Dong
Agronomy J., 95:71-81, 2003

01-307-J Characterization of intermittent stream habitat over space and time
K.M. Fritz, W.K. Dodds
Marine & Freshwater Research, 56:13-23, 2005

01-315-J Recovery of three fish species to flood and seasonal drying in a tallgrass prairie stream
K.M. Fritz, J.A. Tripe, C.S. Guy
Transactions of the Kansas Academy of Science, 105:209-218, 2002

01-407-J Expansion of *Juniperus virginiana* in the Great Plains: Changes in soil organic carbon dynamics
D. Smith, L.C. Johnson
Global Biogeochemical Cycles, 17(2):1-12, 2003

02-130-J Effect of protein kinase C γ on gap junction disassembly in lens epithelial cells and retinal cells in culture
L. Wagner, S. Saleh, D. Boyle, D. Takemoto
Molecular Vision, 8:59-66, 2002

02-272-J Disturbance of small mammal live traps by crows: problems and solutions
R.S. Matlack, R.L. Rehmeier, B.R. McMillan, D.W. Kaufman, G.A. Kaufman
Transactions of the Kansas Academy of Science, 109:242-244, 2006

- 02-407-A Increasing amounts of chemical weed control increases growth of white ash, white oak, and black walnut in a tall fescue sod
J.D. Carlisle, W.A. Geyer, J.W. Van Sambeek
Proceedings of the 13th Central Hardwood Forest Conference; Gen. Tech. Rep. NC-234
J.W. Van Sambeek, J.O. Dawson, F. Ponder, Jr., E.F. Loewenstein, J.S. Fralish (Eds.). St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station, pp. 449-450, 2004
- 02-430-B Two novel types of *Arabidopsis* phospholipase D
C. Qin, W. Li, Y. Hong, W. Zhang, T. Wood, M. Li, R. Welti, X. Wang
In: Advanced research on plant lipids, N. Murata, M. Yamada, I. Nishida, H. Okuyama, J. Sekiya, W. Hajime (Eds.). Dordrecht, the Netherlands: Kluwer Academic Publishers, pp. 259-262, 2003
- 02-454-J Nitrogen retention, removal and saturation in lotic ecosystems
M.J. Bernot, W.K. Dodds
Ecosystems, 8:442-453, 2005
- 02-455-J The role of periphyton in phosphorus retention in shallow freshwater aquatic systems
W.K. Dodds
J. Phycology, 39:830-844, 2003
- 02-472-J LEDGF Activation of PKC gamma and GAP junction disassembly in lens epithelial cells
T.A. Nguyen, D. Boyle, L. Wagner, T. Shinohara, D.J. Takemoto
Experimental Eye Research, 76(5):565-572, 2003
- 02-503-J Internal helminth parasites of the lesser prairie-chicken *Tympanuchus pallidicinctus* in southwestern Kansas: Incidence, burdens, and effects
R.J. Robel, T.L. Walker, C.A. Hagen, R.K. Ridley, K.E. Kemp, R.D. Applegate
Wildlife Biology, 9(1):341-349, 2003
- 03-13-J Adoptively transferred C2D macrophages demonstrate host macrophage-like properties
M.L. Hart, D.A. Mosier, S.K. Chapes
Infection and Immunity, 71(2):663-670, 2003
- 03-81-J Merging genomic control networks and soil-plant-atmosphere-continuum models
S.M. Welch, J.L. Roe, S. Das, Z. Dong, R. He, M.B. Kirkham
Agricultural Systems, 86:243-274, 2005
- 03-177-J The *Arabidopsis* *ssi2*-conferred susceptibility to *Botrytis cinerea* is dependent on *EDS5* and *PAD4*
A. Nandi, W. Moeder, P. Kachroo, D.F. Klessig, J. Shah
Molecular Plant-Microbe Interactions, 18:363-370, 2005
- 03-229-J The decline in plant collecting in the United States: A threat to the infrastructure of biodiversity collections
L.A. Prather, O. Alvarez-Fuentes, M.H. Mayfield, C.J. Ferguson
Systematic Botany, 29(1):15-28, 2004
- 03-249-J Survival of fecal bacteria in dairy cow manure
L. Wang, K.R. Mankin, G.L. Marchin
J. of Environmental Quality, 47(4):1239-1246, 2004
- 03-281-J Ubiquitin protein ligase activity of the anti-apoptotic baculovirus protein Op-IAP3
M. Green, K. Monser, R. Clem
Virus Research, 105:89-96, 2004
- 03-311-J Grazing management effects on plant species diversity in tallgrass prairie
K. Hickman, D. Hartnett, R. Cochran, C. Owensby
J. of Range Management, 57:58-65, 2004
- 03-325-J Implications of the decline in plant collecting for systematic and floristic research
L.A. Prather, O. Alvarez-Fuentes, M.H. Mayfield, C.J. Ferguson
Systematic Botany, 29(1):216-220, 2004
- 03-326-J Vegetation trends in tallgrass prairie from bison and cattle grazing
E.G. Towne, D.C. Hartnett, R.C. Cochran
Ecological Applications, 15:1550-1559, 2005
- 03-340-J Carrion beetles of the Konza Prairie biological station
D.A. Rintoul, L. Krueger, C. Woddard, J.E. Throne
J. of the Kansas Entomological Society, 78(2):124-133, 2005

- 03-392-J Lipidomics
R. Welti, X. Wang
INFORM, 14:607-608, 2003
- 03-401-J Long-distance movements of the deer mouse in tallgrass prairie
R.L. Rehmeier, G.A. Kaufman, D.W. Kaufman
J. of Mammalogy, 85:562-568, 2004
- 03-413-J The *Arabidopsis* dihydroxyacetone phosphate reductases gene SUPPRESSOR OF FATTY ACID DESATURASE DEFICIENCY1 is required for glycerolipid metabolism and for activation of systemic acquired resistance
A. Nandi, R. Welti, J. Shah
Plant Cell, 16:465-477, 2004
- 04-021-J Delayed clearance of *Ehrlichia chaffeensis* infection in CD4+ T-cell knockout mice
R.R. Ganta, C. Cheng, M.J. Wilerson, S.K. Chapes
Infection and Immunity, 72:159-167, 2004
- 04-023-J Lesser prairie-chicken usage of harvested corn fields during fall and winter in southwestern Kansas
G.C. Salter, R.J. Robel, K.E. Kemp
Prairie Naturalist, 37(1):1-10, 2005
- 04-101-J Life on the edge: Ecology of Great Plains prairie streams
W.K. Dodds, K. Gido, M.R. Whiles, K.M. Fritz, W.J. Matthews
BioScience, 54:208-216, 2004
- 04-114-J Location and success of lesser prairie-chicken nests in relation to vegetation and human disturbance
J. Pitman, C. Hagen, R. Robel, T. Loughlin, R. Applegate
Prairie Naturalist, 36(2):95-101, 2004
- 04-123-J Effect of spices and organic acids on the growth of *Clostridium perfringens* during cooling of cooked ground beef
J.R. Sabah, V.K. Juneja, D.Y.C. Fung
J. of Food Protection, 67(9):1840-1847, 2004
- 04-131-J Apparent survival rates of male lesser prairie-chickens: The effects of age and breeding activity
C.A. Hagen, J.C. Pitman, B.K. Sandercock, R.J. Robel, R.D. Applegate
Condor, 107(1):78-86, 2005
- 04-132-J Morphology of lesser prairie-chickens in Kansas
C.A. Hagen, J.C. Pitman, R.J. Robel, R.D. Applegate
Prairie Naturalist, 36(2):95-101, 2004
- 04-134-J Pollination biology of four southwestern phlox (Polemoniaceae) species: Insect visitation in relation to corolla tube length
S.C. Strakosh, C.J. Ferguson
Southwestern Naturalist, 50:291-301, 2005
- 04-135-J Pollinator importance and temporal variation in a population of *Phlox divaricata* L. (Polemoniaceae)
S. Wiggam, C.J. Ferguson
American Midland Naturalist, 154:42-54, 2005
- 04-155-J The role of belowground bud banks and meristem limitation in tallgrass prairie plant populations
E.J. Benson, D.C. Hartnett, K.H. Mann
American J. of Botany, 91:416-421, 2004
- 04-161-T Summary remarks and personal observations of the situation by an old hunter/researcher
R.J. Robel
Wildlife Society Bulletin, 32(1):119-122, 2004
- 04-162-J Influence of prey abundance on raptors in tallgrass prairie
A.W. Reed, G.A. Kaufman, D.A. Rintoul, D.W. Kaufman
The Prairie Naturalist, 36:23-31, 2004
- 04-171-J Controls on nutrients across a prairie stream watershed: Land use and riparian cover effects
W.K. Dodds, R.M. Oakes
Environmental Management, 37:634-646, 2004
- 04-194-A Modelling gene networks controlling transition to flowering in *Arabidopsis*
S.M. Welch, Z. Dong, J.L. Roe
Proceedings of the 4th International Crop Science Congress
Brisbane, Australia, 2004
- 04-217-A Eastern moles on the Konza Prairie biological station
P. O'Neal, D.W. Kaufman
Transactions of the Kansas Academy of Science, 107:93-96, 2004

- 04-242-S Cattleman's day 2004
L.C. Hollis, J.E. Larson, G.C. Lamb, T.W. Geary, J.S. Stevenson, S.K. Johnson, M.L. Day, D.J. Kesler, J.M. DeJarnette, D.G. Landblom, D. Whittier, T.W. Marston, F.N. Schrick, J.D. Areseneau, A.W. Thompson, D.R. Eborn, L.D. Keenan, D.M. Grieger, K. Harmoney, T.T. Marston, M. Sanderson, P. Chenoweth, D.A. Llewellyn, B.T. Gray, C.A. Bandyk, V.L. Martin, R. Hale, E.A. Elwakeel, E.C. Titgemeyer, J.S. Drouillard, B.J. Johnson, M.S. Awawdeh, K.C. McCuiston, D.P. Gnad, G.F. Schroeder, S.P. Montgomery, J.J. Sindt, M.A. Greenquist, W.F. Miller, J.N. Pike, E.J. Good, E.R. Loe, M.J. Sulpizio, T.J. Kessen, B.E. Depenbusch, B. Dicke, G.E. Erickson, T.J. Klopfenstein, R.T. Botts, P.T. Anderson, F.N. Owens, C.D. Lee, G.L. Bishop, J.R. Brethour, M.P. Epp, D.A. Blasi, J.P. Kayser, E.A. Koch, R.M. Breiner, J.A. Christopher, J.A. Unruh, B.B. Barnhardt, G.L. Stokka, G. Palmer, J.T. Fox, M.F. Spire, N.A. Lenehan, J.M. DeRouchey, M.L. Christian, G.L. Marchin, J.W. Homm, E. Obuz, J.W. Stephens, M.E. Dikeman, J.P. Grobbel, T.M. Loughin, G.A. Milliken, E.J. Yancey
KS Agric. Exp. Stn. Report of Progress 923, Mar. 2004
- 04-253-J Plant community responses to resource availability and heterogeneity during restoration
S.G. Baer, J.M. Blair, S.L. Collins, A.K. Knapp
Oecologia, 139:617-629, 2004
- 04-260-J Headwater influences on downstream water quality
W.K. Dodds, R.M. Oakes
Environmental Management, 41:367-377, 2008
- 04-265-J The plasma membrane-bound phospholipase D δ enhances freezing tolerance in *Arabidopsis thaliana*
W. Li, M. Li, W. Zhang, R. Welti, X. Wang
Nature Biotechnology, 22:427-433, 2004
- 04-267-J Effect of energy development and human activity on the use of sand sagebrush habitat by lesser prairie-chickens in southwestern Kansas
R.J. Robel, J.A. Harrington, Jr., C.A. Hagen, J.C. Pitman, R.R. Reker
Transactions of the North American Wildlife and Natural Resources Conference, 69:251-266, 2004
- 04-271-J *Escherichia coli* sorption to sand and silt loam soil
K.R. Mankin, L. Wang, S.L. Hutchinson, G.L. Marchin
Transactions of the ASABE, 50(4):1159-1165, 2007
- 04-277-J Lipid species profiling: A high throughput approach to identify lipid compositional changes and determine the function of genes involved in lipid metabolism and signaling
R. Welti, X. Wang
Current Opinion in Plant Biology, 7:337-344, 2004
- 04-286-J A technique for establishing reference nutrient concentrations across watersheds impacted by humans
W.K. Dodds, R.M. Oakes
Limnology and Oceanography Methods, 2:333-341, 2004
- 04-301-J Eutrophication in rivers and streams
W.K. Dodds
Limnology and Oceanography Methods, 51:671-680, 2006
- 04-304-J Inhibition of gap junction activity through the release of C1-domain of PKC γ from 14-3-3: Identification of PKC γ binding sites
T.A. Nguyen, L.J. Takemoto, D.J. Takemoto
J. of Biological Chemistry, 279(50):52714-52726, 2004
- 04-321-B Mouse infection models for space flight immunology
S.K. Chapes, R.R. Ganta
In: Advances in space biology and medicine, G. Sonnenfeld (Ed.). New York: Elsevier, pp. 81-104, 2005
- 04-335-J Changes in soil carbon cycling as woodlands expand into grassland: Vegetation-mediated changes in microclimate reduce soil respiration
D.L. Smith, L. Johnson
Ecology, 85(12):3348-3361, 2004
- 04-353-J Effects of baculovirus transactivators IE-1 and IE-2 on the *Drosophila* heat shock 70 promoter in two insect cell lines
E.A. Crouch, A.L. Passarelli
Archives of Virology, 150:1563-1578, 2005
- 04-365-J Mechanism of DRONC activation in *Drosophila* cells
I. Muro, K. Monser, R.J. Clem
J. of Cell Science, 117:5035-5041, 2004

- 04-367-J Distribution of carnivore burrows in a prairie landscape
G.A. Kaufman, S.D. Kocher, D.W. Kaufman
Great Plains Research, 15:15-29, 2005
- 04-374-J The role of apoptosis in defense against baculovirus infection in insects
R.J. Clem
Current Topics in Microbiology and Immunology, 289:113-130, 2005
- 04-380-J Lessons from immune 1-3: What did we learn and what do we need to do in the future?
S.K. Chapes
J. of Gravitational Physiology, 11(2):45-48, 2004
- 04-413-J Ethanol production from extrusion-cooked grain sorghum
X. Zhan, D. Wang, S.R. Bean, X. Mo, X.S. Sun, D. Boyle
Industrial Crops and Products, 23:304-310, 2006
- 04-419-J Tobacco genes induced by the bacterial effector protein AvrPto
T.K. Venkatappa, A.S. Robert, Y. Dend, Y. Dong, Y. Yang, X. Tang, J-M. Zhou
Molecular Plant-Microbe Interactions, 17:1139-1145, 2004
- 04-447-J Concentration of fecal bacteria and nutrients in soil surrounding round-bale feeding sites
N.A. Lenehan, J.M. DeRouchey, T.T. Marston, G.L. Marchin
J. of Animal Science, 83:1673-1679, 2005
- 05-18-J Correlation of results of pulmonary computed tomography and pathologic findings in mice with pasteurized-induced pneumonia
L. Armbrust, D.A. Mosier, E. Nelson, M.L. Hart, S.K. Chapes
American J. of Veterinary Research, 66:835-838, 2005
- 05-23-J The baculoviral anti-apoptotic protein Op-IAP does not inhibit *Drosophila* caspases or apoptosis in *Drosophila* S2 cells and instead sensitizes S2 cells to virus-induced apoptosis
C.W. Wright, J.C. Means, T. Penabaz, R.J. Clem
Virology, 335:61-71, 2005
- 05-24-J Cleavage of the apoptosis inhibitor DIAP1 by the apical caspase dronc in both normal and apoptotic *Drosophila* cells
I. Muro, J.C. Means, R.J. Clem
J. of Biological Chemistry, 280(19):18683-18688, 2005
- 05-31-J Influence of fire, topography, and consumer abundance on seed predation in tallgrass prairie
A.W. Reed, G.A. Kaufman, D.W. Kaufman
Canadian J. of Zoology, 82:1459-1467, 2004
- 05-37-J Avian community response to construction of a naturalistic golf course in tallgrass prairie in Kansas
R.J. Robel, S.L. Bye, K.E. Kemp, S.J. Thien
The Prairie Naturalist, 37(4):183-203, 2005
- 05-68-J Characterization of the pheromone response of the *Enterococcus faecalis* conjugative plasmid pCF10: Complete sequence and comparative analysis of the transcriptional and phenotypic responses of pCF10-containing cells to pheromone induction
H. Hirt, D.A. Manias, E.M. Bryan, J.R. Klein, J.K. Markland, J.H. Staddon, M.L. Paustian, V.Kapur, G.M. Dunne
J. of Bacteriology, 187(3):1044-1054, 2005
- 05-95-J Pore occlusion in compacted mixtures of sand and kaolinite due to bioclogging
S. Tumuluri, L.N. Reddi, G.L. Marchin, A.C. Henry
Proceedings of the Geo-Frontiers 2005 Congress
Austin, TX, 2005,
[http://dx.doi.org/10.1061/40789\(168\)20](http://dx.doi.org/10.1061/40789(168)20)
- 05-110-J Increased rainfall variability and reduced rainfall amount decreases soil CO₂ flux in a grassland ecosystem
C.W. Harper, J. Blair, P.A. Fay, A.K. Knapp, J.D. Carlisle
Global Change Biology, 11:322-334, 2005
- 05-122-J Effects of mycorrhizal symbiosis on tallgrass prairie plant-herbivore interaction
A.A.R. Kula, D.C. Hartnett, G.W.T. Wilson
Ecology Letters, 8:61-69, 2005
- 05-128-J Effect of litter accumulation on seed predation in three prairie types
A.W. Reed, G.A. Kaufman, D.W. Kaufman
American Midland Naturalist, 155:278-285, 2006

- 05-131-J Stimulation of cell motility by a viral baculovirus fibroblast growth factor homolog: Proposal for a role in viral pathogenesis
C. Detvisitsakun, M.F. Berretta, C. Lehly, A.L. Passarelli
Virology, 336:308-318, 2005
- 05-150-J Long-term study of abundance of the hispid cotton rat in native tallgrass prairie
R.L. Rehmeier, G.A. Kaufman, D.W. Kaufman, B.R. McMillan
J. of Mammalogy, 86:670-676, 2005
- 05-156-J Genetic linkage maps of the red flour beetle, *Tribolium castaneum*, based on bacterial artificial chromosomes and expressed sequence tags
M.D. Lorenzen, Z. Doyungan, J. Savard, K. Snow, J.J. Stuart, T.D. Shippy, S. Brown, R.W. Beeman
Genetics, 170:741-747, 2005
- 05-159-J The *Tribolium chitin synthase* genes *TxCHSq* and *TcCHS2* are specialized for synthesis of epidermal cuticle and midgut peritrophic matrix
Y. Arakane, M. Subbaratnam, K.J. Kramer, C.A. Specht, Y. Tomoyasue, M.D. Lorenzen, M. Kanost, R.W. Beeman
Insect Molecular Biology, 14(5):453-463, 2005
- 05-160-J The use of pasture reflectance characteristics and arbuscular mycorrhizal root colonization to predict pasture characteristics of tallgrass prairie grazed by cattle and bison
M. Villarreal, R. Cochran, D. Johnson, G. Towne, G. Wilson, D. Hartnett, D. Goodin
Grass and Forage Science, 61:32-41, 2006
- 05-191-J Modeling gene networks controlling transition to flowering in *Arabidopsis*
S.M. Welch, Z. Dong, J.L. Roe, S. Das
Australian J. of Agricultural Research, 56(9):919-936, 2005
- 05-203-J Determining ecoregion-specific reference conditions for nutrients, secchi depth, and chlorophyll in Kansas lakes and reservoirs
W.K. Dodds, E. Carney, R.T. Angelo
J. of Lake and Reservoir Management, 22:151-159, 2006
- 05-244-J Introduced species in Kansas: Floristic changes and patterns of collection based on an historical herbarium
T.M. Woods, S.C. Strakosh, M.P. Nepal, S. Chakrabarti, N.B. Simpson, M.H. Mayfield, C.J. Ferguson
Sida, 21(3):1695-1725, 2005
- 05-261-J Phytochemical phenolics in organically-grown vegetables
J.E. Young, X. Zhao, T. Carey, R. Welti, T. Williams, S-S. Yang, W. Wang
Molecular Nutrition & Food Research, 49:1136-1142, 2005
- 05-264-J Factors influencing persistence of white-footed mice
B.R. McMillan, G.A. Kaufman, D.W. Kaufman
The Prairie Naturalist, 37:29-40, 2005
- 05-271-J Phylogenetic analysis of the *Chaenusa sensu lato* (Hymenoptera: Braconidae) using mitochondrial NADH 1 dehydrogenase gene sequences
R.R. Kula, G. Zolnerowich, C.J. Ferguson
J. of Hymenoptera Research, 15:251-265, 2006
- 05-279-J Lack of involvement of mitochondrial factors in caspase activation in a *Drosophila* cell-free system
J.C. Means, I. Muro, R.J. Clem
Cell Death and Differentiation, 13:1222-1234
- 05-304-J Nutrients and the “dead zone”: Ecological stoichiometry and depressed dissolved oxygen in the northern Gulf of Mexico
W.K. Dodds
Frontiers in Ecology and the Environment, 4:211-217, 2006
- 05-307-J Brood break-up and juvenile dispersal of lesser prairie-chicken in Kansas
J.C. Pitman, B.E. Jamison, C.A. Hagen, R.J. Robel, R.D. Applegate
Prairie Naturalist, 38(2):85-100, 2006
- 05-308-J Survival of juvenile lesser prairie-chickens in Kansas
J.C. Pitman, C.A. Hagen, B.E. Jamison, R.J. Robel, T.M. Loughin, R.D. Applegate
Wildlife Society Bulletin, 34(3):675-681, 2006

- 05-332-J Expression of superoxide dismutase in whole lens prevents cataract formation
D. Lin, M. Barnett, L. Grauer, J. Robben, A. Jewell, L. Takemoto, D.J. Takemoto
Molecular Vision, 11:853-858, 2005
- 05-333-J A novel function of the *Arabidopsis thaliana* *PAD4* gene in basal resistance to green peach aphid
V. Pegadaraju, C. Knepper, J. Reese, J. Shah
Plant Physiology, 139:1927-1934, 2005
- 05-334-J Genetically engineered resistance to Fusarium head blight in wheat by expression of the *Arabidopsis NPR1* gene
R. Makandar, J.S. Essig, M.A. Scapaugh, H. Trick, J. Shah
Molecular Plant-Microbe Interactions, 19:123-129, 2006
- 06-14-J Niche partitioning by lesser prairie-chicken (*Tympanuchus pallidicinctus*) and ring-necked pheasant (*Phasianus colchicus*) in southwestern Kansas
C.A. Hagen, J.C. Pitman, R.J. Robel, T.M. Loughin, R.D. Applegate
Wildlife Biology, 13(suppl 1):34-41, 2007
- 06-30-J Rodent seed predation and GUDs: Effect of burning and topography
A.W. Reed, G.A. Kaufman, D.W. Kaufman
Canadian J. of Zoology, 83:1279-1285, 2005
- 06-41-J Species richness-productivity relationship for small mammals along a desert-grassland continuum: Differential responses of functional groups
A.W. Reed, G.A. Kaufman, D.W. Kaufman
J. of Mammalogy, 87:777-783, 2006
- 06-42-J Artificial burrows and deer mice: Do number of entrances influence use?
G.A. Kaufman, D.W. Kaufman
The Prairie Naturalist, 38:145-154, 2006
- 06-43-J Mycorrhizal-mediated phosphorus transfer between the tallgrass prairie plants *Sorghastrum nutans* and *Artemisia ludoviciana*
G. Wilson, D. Hartnett, C. Rice
Functional Ecology, 20:427-435, 2006
- 06-45-J An automatic activity-monitoring system for small mammals under natural systems
R.L. Rehmeier, G.A. Kaufman, D.W. Kaufman
J. of Mammalogy, 87:628-634, 2006
- 06-51-J Effects of prairie vole runways on tallgrass prairie
B.E. Ross, A.W. Reed, R. Rehmeier, G.A. Kaufman, D. Kaufman
Transactions of the Kansas Academy of Science, 110:100-106, 2007
- 06-52-J Observations of foraging on taproots of invasive thistles by prairie voles
D.W. Kaufman, G.A. Kaufman
Transactions of the Kansas Academy of Science, 109:83-84, 2006
- 06-60-J Double knockouts of phospholipases D ζ 1 and ζ 2 in *Arabidopsis* affect root elongation during phosphate-limited growth, but do not affect root hair patterning
M. Li, C. Qin, R. Welti, X. Wang
Plant Physiology, 140:761-770, 2006
- 06-61-J Signaling functions of phosphatidic acid
X. Wang, S.P. Devaiah, W. Zhang, R. Welti
Progress in Lipid Research, 45:250-278, 2006
- 06-67-J Diurnal activity and habitat associations of white-tailed deer in tallgrass prairie
M.D. Kill, D.W. Kaufman, G.A. Kaufman
Transactions of the Kansas Academy of Science, 110:145-154, 2007
- 06-73-J Functional characterization of *Bombyx mori* nucleopolyhedrovirus late gene transcription and genome replication factors in the non-permissive insect cell line SF-21
M.F. Berretta, M. Deshpande, A.L. Passarelli
Virology, 348:175-189, 2006
- 06-95-J Profiling lipid changes in plant response to low temperatures
X. Wang, W. Li, M. Li, R. Welti
Physiologia Plantarum, 126:90-96, 2006
- 06-143-J Quantitative profiling of polar glycerolipid species and the role of phospholipase D α 1 in defining the lipid species in *Arabidopsis* tissues
S. Devaiah, M. Roth, E. Baughman, M. Li, R. Jeannotte, R. Welti, X. Wang
J. of Phytochemistry, 67:1907-1924, 2006
- 06-159-B New mass-spectrometry-based strategies for lipids
G. Isaac, R. Jeannotte, S.W. Esch, R. Welti
Genetic Engineering Review, 28:129-157, 2007

- 06-160-J Analysis of a baculovirus lacking a functional viral fibroblast growth factor homolog
C. Detvisitsakun, E.L. Hutfless, M.F. Berretta, A.L. Passarelli
Virology, 346(2):258-265, 2006
- 06-180-J Arabidopsis produces a variety of polar complex lipids containing oxyphytodienoic acid and dinor-oxyphytodienoic acid in response to wounding
C. Buseman, E. Baughman, A. Sparks, P. Tamura, S. Maatta, M.R. Roth, S. Esch, T. Williams, R. Welti
Plant Physiology, 142:28-39, 2006
- 06-264-B Catapult: Momentum of human global environmental impacts
W.K. Dodds
University of Columbia Press, 270 pp., 2008
- 06-269-J Differential clearance and immune responses to tick cell-derived versus macrophage culture-derived *Ehrlichia chaffeensis* in mice
R.R. Ganta, C. Cheng, E.C. Miller, B.L. McGuire, L. Peddireddi, K.R. Sirigireddy, S.K. Chapes
Infection and Immunity, 75(1):135-145, 2007
- 06-272-J Ammonium uptake and mineralization in prairie streams: Chamber incubation and short-term nutrient addition experiments
J.M. O'Brien, W.K. Dodds
Freshwater Biology, 53:102-112, 2006
- 06-273-J Analysis and functional annotation of expressed sequence tags from the fall armyworm *Spodoptera frugiperda*
Y. Deng, Y. Dong, V. Thodima, R.J. Clem, A.L. Passarelli
BMC Genomics, 7:264, 2006
Published online,
doi:10.1186/1471-2164-7-264
- 06-280-J Terrestrial mammals of the Smoky Hills Army National Guard training facility, Saline County, Kansas
G.A. Kaufman, D.W. Kaufman
Transactions of the Kansas Academy of Science, 109:120-124, 2006
- 06-306-J Function of *Spodoptera exigua* nucleopolyhedrovirus late gene expression factors in the insect cell line Sf-21
M.F. Berretta, A.L. Passarelli
Virology, 355:82-93, 2006
- 06-309-J *piggyBac*-based insertional mutagenesis in *Tribolium castaneum* using donor/helper hybrids
M.C. Lorenzen, T. Kimsey, T.D. Shippy, S.J. Brown, R.E. Denell, R.W. Beeman
Insect Molecular Biology, 38:490-498, 2007
- 06-323-J Quantitative profiling of polar glycerolipids in response to phosphate starvation and the roles of PLD ζ 1 and PLD ζ 2 genes in phosphatidylcholine hydrolysis and digalactosyldiacylglycerol accumulation in phosphate-starved roots in *Arabidopsis*
M.Li, R. Welti, X. Wang
Plant Physiology, 142:750-761, 2006
- 06-325-J The saturation of N cycling in Central Plains streams: 15N experiments across a broad gradient of nitrate concentrations
J.M. O'Brien, W.K. Dodds, K.C. Wilson, J.N. Murdock, J. Eichmiller
Biogeochemistry, 84(1):31-49, 2007
- 06-329-J Baculoviruses and apoptosis: A diversity of genes and responses
R.J. Clem
Current Drug Targets, 8:1069-1074, 2007
- 06-342-J Phloem-based resistance to green peach aphid is controlled by Arabidopsis *PHYTOALEXIN DEFICIENT4* without its signaling partner *ENHANCED DISEASE SUSCEPTIBILITY1*
V. Pegadaraju, J. Louis, V. Singh, J.C. Reese, J. Bantor, B.J. Feys, G. Cook, J. Parker, J. Shah
The Plant J., 52:332-341, 2007
- 06-360-J Sustainable management of insect herbivores in renewable grassland ecosystems: New perspectives in grasshopper control
D.H. Branson, A. Joern, G.A. Sword
Bioscience, 56:743-755, 2006
- 06-363-J Delayed clearance of and differential immune responses to tick- vs. canine-cell-culture-derived *Ehrlichia chaffeensis*
R.R. Ganta, C. Cheng, E.C. Miller, B.L. McGuire, S.K. Chapes
Infection and Immunity, 75:135-145, 2007
- 07-15-J Identification and functional characterization of *AMVp33*, a novel homolog of the baculovirus capase Inhibitor *p35* in *Amsacta moorei*
J.C. Means, T. Penabaz, R.J. Clem
Virology, 358:446-457, 2007

- 07-24-J Rapid characterization of fatty acyl composition of complex lipids by collision-induced dissociation time-of-flight mass spectrometry
S.W. Esch, P. Tamura, A.A. Sparks, M.R. Roth, T.D. Williams, R. Welti
J. of Lipid Research, 48:235-241, 2007
- 07-25-J Plant lipidomics: Discerning biological function by profiling plant complex lipids using mass spectrometry
R. Welti, J. Shah, W. Li, J. Chen, J.J. Burke, M.-L. Fauconnier, K. Chapman, M.-L. Chye, X. Wang
Frontiers in Bioscience, 12:2494-2506, 2007
- 07-26-A Lipid profiling: Analysis of gene function and physiological responses in *Arabidopsis*
R. Welti, G. Isaac, P. Tamura, S.W. Esch, A. Sparks, R. Jeannotte, M. Roth, S. Maatta, T. Williams, J. Shah, X. Wang
Proceedings of the 17th International Symposium on Plant Lipids, 2006, pp. 287-291
- 07-45-J Expanding the concept of trophic state in aquatic ecosystems: It's not just the autotrophs
W.K. Dodds, J.J. Cole
Aquatic Sciences, 69:427-439, 2007
- 07-104-J The *Autographa californica* M nucleopolyhedrovirus fibroblast growth factor accelerates host mortality
C. Detvisitsakun, E.L. Cain, A.L. Passarelli
Virology, 365:70-78, 2007
- 07-133-J Morphology and phase separation of hydrophobic clusters of soy globular protein polymers
X.S. Sun, D. Wang, L. Zhang, X. Mo, L. Zhu, D. Boyle
Macromolecular Bioscience, 8:295-303, 2007
- 07-151-J Plastid omega-3 desaturase dependent accumulation of a systemic acquired resistance inducing activity in petiole exudates of *Arabidopsis thaliana* is dependent on jasmonic acid
R. Chaturvedi, K. Krothapalli, R. Makandar, A. Nandi, A. Sparks, M. Roth, R. Welti, J. Shah
Plant Cell, 54:106-117, 2008
- 07-161-J Inter-subunit interactions of the *Autographa californica* M nucleopolyhedrovirus RNA polymerase
E.A. Crouch, L.T. Cox, K.G. Morales, A.L. Passarelli
Virology, 367:265-274, 2007
- 07-163-J Hessian fly attack causes dramatic shift in carbon/nitrogen metabolism in wheat
L. Zhu, X. Liu, R. Jeannotte, J.C. Reese, M. Harris, J.J. Stuart, M.S. Chen
Molecular Plant-Microbe Interactions, 21:70-78, 2008
- 07-170-B Phylogenetic relationships of the genus *Phlox* (Polemoniaceae): Comparing and combining data sets from the chloroplast genome
C.J. Ferguson, S.D. Fehlbeg, K.A. Ford, S.C. Strakosh
In: Plant genome: Biodiversity and evolution, A.K. Sharma and A. Sharma (Eds.). Enfield, New Hampshire: Science Publishers, pp. 153-172, 2008
- 07-180-J Altered ecosystem nitrogen dynamics as a consequence of land cover change in tallgrass prairie
M.D. Norris, J.M. Blair, L.C. Johnson
American Midland Naturalist, 158:432-445, 2007
- 07-200-J Trophic state, eutrophication, and nutrient criteria in streams
W.K. Dodds
Trends in Ecology and Evolution, 22:670-676, 2007
- 07-227-J Development, characterization and transferability of microsatellite markers for the plant genus *Phlox* (Polemoniaceae)
S.D. Fehlbeg, K.A. Ford, M.C. Ungerer, C.J. Ferguson
Molecular Ecology Resources, 8:116-118, 2008
- 07-240-J Analysis of transcriptome data in the red flour beetle, *Tribolium castaneum*
Y. Park, J. Aikins, L.J. Wang, R.W. Beeman, B. Oppert, J.C. Lord, S.J. Brown, M.D. Lorenzen, S. Richards, G. Weinstock, R. Gibbs
Insect Biochemistry and Molecular Biology, 38:380-386, 2008

- 07-271-J *Drosophila* S2 cells as a model for studying *Ehrlichia chaffeensis* infections
A. Luce-Fedrow, T. Von Ohlen, D. Boyle, R. Ganta, S. Chapes
Applied and Environmental Microbiology, 74:1886-1891, 2008
- 07-279-J Differentiation of C2D macrophage cells after adoptive transfer
B.E. Potts, M.L. Hart, L.L. Snyder, D. Boyle, D.A. Mosier, S.K. Chapes
Clinical and Vaccine Immunology, 15:243-252, 2008
- 07-298-J Functions of C2D macrophage cells after adoptive transfer
B.E. Potts, S.K. Chapes
J. of Leukocyte Biology, 83:602-609, 2008
- 07-308-J Lipidomic analysis of *T. gondii* reveals unusual polar lipids
R. Welti, E. Mui, A. Sparks, S. Wernimont, G. Issac, M. Kirisits, M. Roth, C.W. Roberts, C. Botte, E. Marechal, R. McLeod
Biochemistry, 46:13882-13990, 2007
- 08-26-A Captures of deer mice in small and large Sherman live traps
D.W. Kaufman, G.A. Kaufman
Transactions of the Kansas Academy of Science, 110:285-287, 2007
- 08-27-J Influence of woody vegetation on small mammals in tallgrass prairie
R.S. Matlack, D.W. Kaufman, G.A. Kaufman
American Midland Naturalist, 160:7-19, 2008
- 08-71-J Annotation and expression profiling of apoptosis-related genes in the yellow fever mosquito, *Aedes aegypti*
B. Bryant, C.D. Blair, K.E. Olson, R.J. Clem
Insect Biochemistry and Molecular Biology, 38:331-345, 2008
- 08-122-J The identification of mono-, di-, tri-, and tetragalactosyl-diacylglycerols and their natural estolides in oat kernels
R.A. Moreau, D.C. Doehlert, R. Welti, G. Isaac, M. Roth, P. Tamura, A. Nunez
Lipids, 43:533-548, 2008
- 08-162-J Adiponectin and leptin are secreted through distinct trafficking pathways in adipocytes
L. Xie, C.P. O'Reilly, S.K. Chapes, S. Mora
Biochimica, Biophysica, Acta, 1782:99-108, 2008
- 08-163-J *Tubulin* superfamily genes in *Tribolium castaneum*, and use of a *Tubulin* promoter to drive transgene expression
K.S. Siebert, M.D. Lorenzen, S.J. Brown, Y. Park, R.W. Beeman
Insect Biochemistry and Molecular Biology, 38:749-755, 2008
- 08-211-J Antibiotic resistance of enterococci in American bison (*Bison bison*) from a nature preserve compared to that of enterococci in pastured cattle
J.F. Anderson, T.D. Parrish, M. Akhtar, L. Zurek, H. Hirt
Applied and Environmental Microbiology, 74:1726-1730, 2008
- 08-291-J Woody plant encroachment by *Juniperus virginiana* in a mesic native grassland promotes rapid carbon and nitrogen accrual
D.C. McKinley, J.M. Blair
Ecosystems, 11:454-468, 2008
- 08-405-J Effects of grazing minnows and crayfish on stream ecosystem structure and function
J.R. Bengtson, M.A. Evans-White, K.B. Gido
J. of the North American Benthological Society, 27(2):772-782, 2008
- Publications without contribution numbers
- Escherichia coli* transport through silt loam soil column
L. Wang, K. Mankin, G.L. Marchin
Proceedings of the American Water Research Association 2003 Spring Specialty Conference: Agricultural Hydrology and Water Quality
Kansas City, MO, 2003
- Lois K. Miller-A Tribute
R.J. Clem, A.L. Passarelli
International Reviews of Immunology, 22:324-326, 2003
- Kinetic model for *Escherichia coli* transport through sand columns
L. Wang, K. Mankin, G.L. Marchin
Proceedings of the 2003 ASAE Annual Meeting, 2003
- Comparison of bacteriophages for use in iodine inactivation: Batch and continuous flow studies
G.M. Brion, N. Brennan O'Banion, G.L. Marchin
J. of Water and Health, 2(4):261-266, 2004

Influence of shrub encroachment on aboveground net primary productivity and carbon and nitrogen pools in a mesic grassland
M.S. Lett, A.K. Knapp, J.M. Briggs, J.M. Blair
Canadian J. of Botany, 82:1363-1370, 2004

Competition and coexistence in grassland co-dominants: Responses to neighbor removal and resource availability
A.M. Silletti, A.K. Knapp, J.M. Blair
Canadian J. of Botany, 82:450-460, 2004

Comparison of bacteriophages for use in iodine inactivation: Batch and continuous flow studies
G.M. Brion, N.B. O'Banion, G.L. Marchin
Water and Health, 2:261-266, 2004

Mycorrhizal symbiosis and insect herbivory in tallgrass microcosms
A.R. Kula, D.C. Hartnett, G.W.T. Wilson
Ecology Letters, 81:61-69, 2005

Expression and localization of leucine-rich B7 protein in human ocular tissues
E.S. Tasheva, K. An, D.L. Boyle, G.W. Conrad
Molecular Vision, 11:452-60, 2005

Ecological consequences of C₄ grass invasion of a C₄ grassland: A dilemma for management
H. Reed, T.R. Seastedt, J.M. Blair
Ecological Applications, 15:1560-1569, 2005

The role of seed and vegetative reproduction in plant recruitment and demography in tallgrass prairie
E. Benson, D.C. Hartnett
Plant Ecology, 187:163-177, 2006

Intracellular trafficking and secretion of adiponectin is dependent on GGA-coated vesicles
L. Xie, D. Boyle, D. Sanford, P.E. Scherer, J.E. Pessin, S. Mora
J. of Biological Chemistry, 281:7253-7259, 2006

Gluten-free sorghum bread improved by sourdough fermentation: Biochemical, rheological and microstructural background
T.J. Schober, S.R. Bean, D.L. Boyle
J. of Agricultural and Food Chemistry, 55(13):5137-5146, 2007

Baculoviruses late and very late gene regulation
A.L. Passarelli, L.A. Guarino
Current Drug Targets, 8:1103-1115, 2007

Baculovirus RNA polymerase: Activities, composition, and evolution
A.L. Passarelli
Virologica Sinica, 22:94-107, 2007

Impact of mashing on sorghum proteins and its relationship to ethanol fermentation
R. Zhao, S.R. Bean, B.P. Ierger, D. Wang, D.L. Boyle
J. of Agricultural and Food Chemistry, 56:946-953, 2008

Biocidal activity of nanocrystalline powders and particles
A.B. Smetana, K.J. Klabunde, G.L. Marchin, C.M. Sorensen
Langmuir, 24:7457-7464, 2008

Chemical Engineering

01-427-J Technical note: Fate and transport of jet fuel (JP-8) in soils with selected plants
R. Karthikeyan, K.R. Mankin, L.C. Davis, L.E. Erickson
International J. of Phytoremediation, 5(4):281-292, 2003

01-438-J Modeling jet fuel (JP-8) fate and transport in soils with plants
R. Karthikeyan, K.R. Mankin, L.C. Davis, L.E. Erickson
International J. of Phytoremediation, 5(4):293-314, 2003

03-170-J Phytotransformation of benzotriazoles
S. Castro Diaz, L.C. Davis, L.E. Erickson
International J. of Phytoremediation, 5(3):245-265, 2003

03-205-J Preparation of activated carbon from forest and agricultural residues through CO₂ activation
T. Zhang, W.P. Walawender, L.T. Fan, M. Fan, D. Daugaard, R.C. Brown
Chemical Engineering J., 105:53-59, 2004

03-336-J Reduced super-structure for a separation network comprising separators effected by different methods of separation
I. Heckl, F. Friedler, L.T. Fan
Computers and Chemical Engineering, 33:687-698, 2009

- 03-351-J Potential of plant-based remediation of pesticide contaminated soil and water using non-target plants such as trees, shrubs, and grasses
R. Karthikeyan, L.C. Davis, L.E. Erickson, K. Al-Khatib, P.A. Kulakow, P.L. Barnes, S.L. Hutchinson, A.A. Nurzhanova
Critical Reviews in Plant Sciences, 23(1):91-101, 2004
- 03-411-J Sorption and partitioning parameters of benzotriazole compounds
D.S. Hart, L.C. Davis, L.E. Erickson, T.M. Callender
Microchemical J., 77:9-17, 2004
- 04-068-J A review of bioremediation and natural attenuation of MTBE
L.C. Davis, L.E. Erickson
Environmental Progress, 23(3):243-252, 2004
- 04-128-J Temperature and pH effects on plant uptake of benzotriazoles by sunflowers in hydroponic culture
S. Castro, L.C. Davis, L.E. Erickson
International J. of Phytoremediation, 6(3):209-225, 2004
- 04-338-J Natural, cost-effective, and sustainable alternatives for treatment of aircraft deicing fluid waste
S. Castro, L.C. Davis, L.E. Erickson
Environmental Progress, 24(1):26-33, 2005
- 04-350-J Integrated synthesis of optimal separation and heat exchanger networks involving separation based on various properties
I. Heckl, F. Friedler, L.T. Fan
Heat Transfer Engineering, 26:25-41, 2005
- 04-396-J Preparation of carbon molecular sieves by carbon deposition from methane
T. Zhang, W.P. Walawender, L.T. Fan
Bioresource Technology, 96:1929-1935, 2005
- 04-417-J Increasing the microporosities of activated carbons
T. Zhang, W.P. Walawender, L.T. Fan
Separation and Purification Technology, 44:247-249, 2005
- 05-4-J A simple Markovian model for the initial stage of the formation of carbon molecular sieves by carbon deposition
S.T. Chou, A. Argoti
J. of the Chinese Institute of Chemical Engineers, 37(5):431-438, 2006
- 05-58-J Holistic approach to process retrofitting: Application to downstream process for biochemical production of organics
J. Liu, L.T. Fan, P. Seib, F. Friedler, B. Bertok
Industrial and Engineering Chemistry Research, 45:4200-4207, 2006
- 05-181-J Synchrotron Fourier transform infrared microspectroscopy: A new tool to monitor the fate of organic contaminants in plants
K.M. Dokken, L.C. Davis, L.E. Erickson, S. Castro-Diaz, N.S. Marinkovic
Microchemical J., 81:86-91, 2005
- 05-252-J Remediation of sites contaminated by oil refinery operations
S. Khaitan, S. Kalainesan, L.E. Erickson, P. Kulakow, S. Martin, R. Karthikeyan, S.L.L. Hutchinson, L.C. Davis, T.H. Illangasekare, C. Ng'oma
Environmental Progress, 25(1):20-31, 2006
- 07-5-J Effectiveness of electrostatically-charged water spray in reducing dust concentration in enclosed spaces
E. Almuhan, R.G. Maghirang, J.P. Murphy, L.E. Erickson
Transactions of the ASABE, 51(1):279-286, 2008
- 07-6-J Laboratory evaluation of nanostructured and conventional particles in clearing smoke in enclosed spaces
R. Yadav, R.G. Maghirang, L.E. Erickson, B. Kakumanu, S.G. Castro
Fire Safety J., 43(1):36-41, 2008
- 07-31-A In-situ oxidative polymerization of phenolic contaminants: Impact on the transport and retention of phenol in saturated porous media
A. Bhandari, W. Kim, K. Hohn, G. Kluitenberg
Proceedings of the 2006 Environmental and Water Resources Institute India Conference, American Society of Civil Engineers and IIT-Kanpur
New Delhi, India, 2006
- 07-33-A Photocatalytic oxidation of bioaerosols and volatile organic compounds in air using titanium dioxide
L. Vera, L. Erickson, R. Maghirang, K. Klabunde
Proceedings of the 35th Annual Biochemical Engineering Symposium, 2006, pp. 96-104

07-122-J Assessment of sustainability-potential: Hierarchical approach
L.T. Fan, T. Zhang, J. Liu, J.R. Schlup, P.A. Seib, F. Friedler, B. Bertok
Industrial and Engineering Chemistry Research, 46:4506-4516, 2007

07-123-J Introducing stochastic simulation of chemical reactions using the Gillespie algorithm and MATLAB: Revisited and augmented
A. Argoti, L.T. Fan, J. Cruz, S.T. Chou
Chemical Engineering Education, 42(1):35-46, 2008

08-4-J Price targeting through iterative flowsheet syntheses in developing novel processing equipment: Pervaporation
L.T. Fan, T. Zhang, J. Liu, P. Seib, F. Friedler, B. Bertok
Industrial and Engineering Chemistry Research, 47(5):1556-1561, 2008

Chemistry

03-127-J Normalization of lens protein kinase C γ in galactosemic dogs by a novel aldose reductase inhibitor
D.J. Takemoto, R. Harris, A. Brightman, J. McGill, D. Hua, H. Davidson, B. Fenwick, L.M. Wagner
Veterinary Ophthalmology, 7(3):163-167, 2004

04-097-J Synchrotron infrared microspectroscopy reveals localized heterogeneities in organically modified silicate films
D.L. Wetzell, J. Striova, D.A. Higgins, M.M. Collinson
Vibrational Spectroscopy, 35:153-158, 2004

05-73-J Adhesion and structure properties of protein nanomaterials containing hydrophobic-charged amino acids
X. Shen, R. Moore, X. Mo, S.J. Frazier, T. Iwamoto, J.M. Tomich, X.S. Sun
J. of Applied Polymer Science, 110(2):647-656, 2008

06-166-J NMR structure and dynamic studies of anion binding, channel-forming heptapeptide
G. Cook, R. Pajewski, M. Aburi, P. Smith, O. Prakash, J. Tomich, G. Gokel
J. of the American Chemical Society, 128:1633-1638, 2006

07-33-A Photocatalytic oxidation of bioaerosols and volatile organic compounds in air using titanium dioxide
L. Vera, L. Erickson, R. Maghirang, K. Klabunde
Proceedings of the 35th Annual Biochemical Engineering Symposium, 2006, pp. 96-104

Publications without contribution numbers

Biocidal activity of nanocrystalline powders and particles
A.B. Smetana, K.J. Klabunde, G.L. Marchin, C.M. Sorensen
Langmuir, 24:7457-7464, 2008

Civil Engineering

03-155-J Retention and distribution of 1-naphthol and naphthol polymerization products on surface soils
F. Xu, A. Bhandari
J. of Environmental Engineering, 129:1041-1050, 2003

04-010-J Contact-time-dependent atrazine residue formation in surface soils
H.M. Lesan, A. Bhandari
Water Research, 38:4435-4445, 2004

04-072-J Evaluation of the parameters influencing self-healing in earth dams
S. Kakuturu, L.N. Reddi
J. of Geotechnical and Geoenvironmental Engineering, 132(7):879-889, 2006

04-264-J Peroxidase-mediated oxidative coupling of 1-naphthol: Characterization of polymerization products
F. Xu, D.E. Koch, I.C. Kong, R.P. Hunter, Al. Bhandari
Water Research, 39(11):2358-2368, 2005

04-275-J Evaluation of the parameters influencing self-healing in earth dams
S. Kakuturu, L.N. Reddi
J. of Geotechnical and Geoenvironmental Engineering, 132(7):879-889, 2006

04-276-J Mechanistic model for self-healing of core cracks in earth dams
S. Kakuturu, L.N. Reddi
J. of Geotechnical and Geoenvironmental Engineering, 132(7):890-901, 2006

- 05-47-J Time-dependent sorption-desorption behavior of 2,4-dichlorophenol and its polymerization products in surface soils
M. Palomo, A. Bhandari
Environmental Science and Technology, 39:2143-2151, 2005
- 05-63-B Clogging of animal waste lagoon liners: An overview
M.V.S. Bonala, L.N. Reddi
In: Animal waste containment in lagoons, ASCE manuals and reports on engineering practice, No. 105, L.N. Reddi (Ed.). Reston, VA: American Society of Civil Engineers, pp. 53-74, 2005
- 05-64-B Seepage and transport through anaerobic lagoon liners
L.N. Reddi, H. Davalos, M.V.S. Vonala
In: Animal waste containment in lagoons, ASCE manuals and reports on engineering practice, No. 105, L.N. Reddi (Ed.). Reston, VA: American Society of Civil Engineers, pp. 27-51, 2005
- 05-95-J Pore occlusion in compacted mixtures of sand and kaolinite due to bioclogging
S. Tumuluri, L.N. Reddi, G.L. Marchin, A.C. Henry
Proceedings of the Geo-Frontiers 2005 Congress
Austin, TX, 2005,
[http://dx.doi.org/10.1061/40789\(168\)20](http://dx.doi.org/10.1061/40789(168)20)
- 05-188-J Estimation of soil-water characteristics using liquid limit state
S.-G. Sung, I.-M. Lee, G.-C. Cho, L.N. Reddi
Geotechnique, 55(7):569-573, 2006
- 06-251-J Impact of aging on the formation of bound residues after peroxidase-mediated treatment of 2,4-DCP contaminated soils
M. Palomo, A. Bhandari
Environmental Science and Technology, 40:3402-3408, 2006
- 07-31-A In-situ oxidative polymerization of phenolic contaminants: Impact on the transport and retention of phenol in saturated porous media
A. Bhandari, W. Kim, K. Hohn, G. Kluitenberg
Proceedings of the 2006 Environmental and Water Resources Institute India Conference, American Society of Civil Engineers and IIT-Kanpur
New Delhi, India, 2006
- 07-32-A Occurrence and fate of antimicrobial agents and endocrine disrupting chemicals in municipal wastewater treatment facilities
A. Bhandari, W. Kim, K. Xia, R. Hunter
Proceedings of the 2006 Environmental and Water Resources Institute India Conference, American Society of Civil Engineers and IIT-Kanpur
New Delhi, India, 2006
- 07-296-J Low-cost propionate salt as road de-icer: Evaluation of cheese whey and other media constituents
P.V. Vadlani, A.P. Matthews, G.S. Karr
World J. of Microbiology and Biotechnology, 24:825-832, 2008
- 08-35-J A two-stage fermentation process: Production of propionate and acetate salt as road de-icer from cheese whey
P.V. Vadlani, A.P. Matthews, G.S. Karr
Biological Engineering, 1(1):95-104, 2008
- Publications without contribution numbers
- Animal waste containment in lagoons, ASCE manuals and reports on engineering practice, No. 105
L.N. Reddi (Ed.)
Reston, VA: American Society of Civil Engineers, 204 pp., 2005
- Clinical Sciences**
- 03-127-J Normalization of lens protein kinase C γ in galactosemic dogs by a novel aldose reductase inhibitor
D.J. Takemoto, R. Harris, A. Brightman, J. McGill, D. Hua, H. Davidson, B. Fenwick, L.M. Wagner
Veterinary Ophthalmology, 7(3):163-167, 2004
- 03-228-J Effect of forage or grain diets with or without monensin on ruminal persistence and fecal *Escherichia coli* O157:H7 in cattle
M.J. Van Baale, J.M. Sargeant, D.P. Gnad, B.M. DeBey, K.F. Lechtenberg, T.G. Nagaraja
Applied and Environmental Microbiology, 70(9):5336-5342, 2004

- 03-364-J Effect of supplemental types of non-fiber carbohydrate and level of rumen degradable protein on intake and digestion of low-quality grass hay by beef cattle
J.I. Arroquy, R.C. Cochran, M. Villarreal, T.A. Wickersham, D.A. Llewellyn, E.C. Titgemeyer, T.G. Nagaraja, D.E. Johnson, D. Gnad
Animal Feed Science and Technology, 115:83-99, 2004
- 04-019-J Effects of ammonia load on methionine and leucine utilization by growing steers
M.S. Awawdeh, E.C. Titgemeyer, K.C. Candler, D.P. Gnad
J. of Animal Science, 82:3537-3542, 2004
- 04-034-J Histidine utilization by growing steers is not negatively impacted by increased supply of either ammonia or amino acids
K.C. Candler, E.C. Titgemeyer, M.S. Awawdeh, D.P. Gnad
J. of Animal Science, 82:759-769, 2004
- 04-080-J Effect of postruminal protein supply on the response to ruminal protein supplementation in beef steers fed a low-quality grass hay
T.A. Wickersham, R.C. Cochran, E.C. Titgemeyer, C.G. Farmer, E.A. Klevesahl, J.I. Arroquy, D.E. Johnson, D.P. Gnad
Animal Feed Science and Technology, 115:19-36, 2004
- 04-129-S Dairy day 2003
J.S. Stevenson, J.D. Olson, M.J. Brouk, J.F. Smith, J.P. Harner, A.K. Hammond, W.F. Miller, A.F. Park, B.M. Rosario, L. McVay, F. Aramouni, K.A. Schmidt, E.L. Burkitt, J.E. Shirley, M.V. Scheffel, E.C. Titgemeyer, J.R. Roberson, M.V. Burgos, M.A. Portaluppi
KS Agric. Exp. Stn. Report of Progress 919, Nov. 2003
- 04-178-J Factors associated with the presence of *Escherichia coli* O157 in feedlot-cattle water and feed in the Midwestern USA
J.M. Sargeant, M.W. Sanderson, D.D. Griffin, R.A. Smith
Preventive Veterinary Medicine, 66:207-237, 2004
- 04-242-S Cattlemen's day 2004
L.C. Hollis, J.E. Larson, G.C. Lamb, T.W. Geary, J.S. Stevenson, S.K. Johnson, M.L. Day, D.J. Kesler, J.M. DeJarnette, D.G. Landblom, D. Whittier, T.W. Marston, F.N. Schrick, J.D. Areseneau, A.W. Thompson, D.R. Eborn, L.D. Keenan, D.M. Grieger, K. Harmoney, T.T. Marston, M. Sanderson, P. Chenoweth, D.A. Llewellyn, B.T. Gray, C.A. Bandyk, V.L. Martin, R. Hale, E.A. Elwakeel, E.C. Titgemeyer, J.S. Drouillard, B.J. Johnson, M.S. Awawdeh, K.C. McCuiston, D.P. Gnad, G.F. Schroeder, S.P. Montgomery, J.J. Sindt, M.A. Greenquist, W.F. Miller, J.N. Pike, E.J. Good, E.R. Loe, M.J. Sulpizio, T.J. Kessen, B.E. Depenbusch, B. Dicke, G.E. Erickson, T.J. Klopfenstein, R.T. Botts, P.T. Anderson, F.N. Owens, C.D. Lee, G.L. Bishop, J.R. Brethour, M.P. Epp, D.A. Blasi, J.P. Kayser, E.A. Koch, R.M. Breiner, J.A. Christopher, J.A. Unruh, B.B. Barnhardt, G.L. Stokka, G. Palmer, J.T. Fox, M.F. Spire, N.A. Lenehan, J.M. DeRouchey, M.L. Christian, G.L. Marchin, J.W. Homm, E. Obuz, J.W. Stephens, M.E. Dikeman, J.P. Grobbel, T.M. Loughin, G.A. Milliken, E.J. Yancey
KS Agric. Exp. Stn. Report of Progress 923, Mar. 2004
- 04-261-J Effects of L-carnitine on fetal growth and the IGF system in pigs
A.T. Waylan, B.J. Johnson, J.P. Kayser, D.P. Gnad, J.J. Higgins, J.D. Starkey, E.K. Sissom, J.C. Woodworth
J. of Animal Science, 83:1824-1831, 2005
- 04-287-J Ruminal ammonia load affects leucine utilization by growing steers
M.S. Awawdeh, E.C. Titgemeyer, K.C. McCuiston, D.P. Gnad
J. of Animal Science, 82:2448-2454, 2005
- 05-18-J Correlation of results of pulmonary computed tomography and pathologic findings in mice with pasteurella-induced pneumonia
L. Armbrust, D.A. Mosier, E. Nelson, M.L. Hart, S.K. Chapes
American J. of Veterinary Research, 66:835-838, 2005
- 05-67-J Bovine alveolar macrophage neurokinin-1 and response to substance P
D. Rogers, C. Wyatt, P. Walz, J. Drouillard, D. Mosier
J. of Veterinary Immunopathology, 112(3-4):290-295, 2006

- 05-117-J Molecular cloning and characterization of equine NK-lysin
E.G. Davis, Y. Sang, B. Rush, G. Zhang, F. Blecha
Veterinary Immunology and Immunopathology, 105:163-169, 2005
- 05-214-J Influence of steam-flaked corn moisture level and density on the site and extent of digestibility and feeding value for finishing cattle
J.J. Sindt, J.S. Drouillard, E.C. Titgemeyer, S.P. Montgomery, E.R. Loe, B.E. Depenbusch, P.H. Walz
J. of Animal Science, 84:424-432, 2006
- 06-17-J Effects of energy source on methionine utilization by growing steers
G.F. Schroeder, E.C. Titgemeyer, M.S. Awawdeh, J.S. Smith, D.P. Gnad
J. of Animal Science, 84:1505-1511, 2006
- 06-18-J Effects of energy level on methionine utilization by growing steers
G.F. Schroeder, E.C. Titgemeyer, M.S. Awawdeh, J.S. Smith, D.P. Gnad
J. of Animal Science, 84:1497-1504, 2006
- 06-39-J Excess amino acid supply improves methionine and leucine utilization by growing steers
M.S. Awawdeh, E.C. Titgemeyer, G.F. Schroeder, D.P. Gnad
J. of Animal Science, 84:1801-1810, 2006
- 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. Teutmacher, 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
- 06-275-J Pulsed-field gel electrophoresis patterns of *Escherichia coli* O157 isolates from Kansas feedlots
J.M. Sargeant, X. Shi, M.W. Sanderson, D.G. Renter, T.G. Nagaraja
Foodborne Pathogens and Disease, 3(3):251-258, 2006
- 06-276-J Prevalence and serovars of *Salmonella* in feces of free-ranging deer (*Odocoileus virginianus*) in Nebraska
D.G. Renter, D.P. Gnad, J.M. Sargeant, S.E. Hygnstrom
J. of Wildlife Diseases, 42(3):699-703, 2006
- 07-88-J Effects of energy supply on leucine utilization by growing steers at two body weights
G.F. Schroeder, E.C. Titgemeyer, E.S. Moore
J. of Animal Science, 85:3348-3354, 2007
- 07-179-S Beef cattle research 2007
J.S. Drouillard, C.A. Dobbins, D.E. Tenhouse, D.R. Eborn, S.K. Johnson, K.R. Harmony, J.S. Stevenson, M.G. Burns, B.S. Buttrey, J.E. Larson, B.J. Lovaas, G.C. Lamb, K.C. Olson, D.M. Grieger, S.J. Breiner, K.M. Boone, D.A. Blasi, S.A. Grau, T.C. Schroeder, B.B. Barnhardt, R.M. Breiner, A.M. Bryant, D.L. Pendell, M.P. Epp, M.F. Spire, B.J. White, R.L. Larson, D.U. Thomson, A. Garmyn, D. Moser, M.E. Dikeman, A.L. Van Eenennaam, J. Li, R.M. Thallman, R.L. Quaas, C. Gill, D.E. Franke, M.G. Thomas, P.J. Guiroy, G.F. Schroeder, E.C. Titgemeyer, E.S. Moore, J.O. Wallace, W.F. Miller, B.J. Johnson, C.D. Reinhardt, J.A. Christopher, T.T. Marston, M.L. May, M.J. Quinn, C.E. Walker, B.E. Depenbusch, E.R. Loe, M.E. Corrigan, T.A. Wickersham, R.C. Cochran, E.E. Wickersham, D.P. Gnad, T.G. Nagaraja, A.B. Thornton, J.T. Fox, G.H. Loneragan, D. Burkhardt, M.E. Jacob, S.L. Reinstein, C.R. Raines, J.A. Unruh, M.C. Hunt, J.J. Higgins, J.L. Marsden, S. Hutchison, F. Ameri, J.S. Smith, P. Gadgil, M.N. Roberts, K.J.K. Getty, E.A.E. Boyle, F. Hijaz, C.L. Kastner
KS Agric. Exp. Stn. Report of Progress 978, Mar. 2007

- 07-183-J Evaluation of culture methods to identify cattle feces with high concentrations of *Escherichia coli* O157
J.T. Fox, D.G. Renter, M.W. Sanderson, D.U. Thomson, K.F. Lechtenberg, T.G. Nagaraja
Applied and Environmental Microbiology, 73(16):5253-5260, 2007
- 07-239-J The effects of feeding flaxseed during the receiving period on morbidity, mortality, performance, and carcass characteristics of heifers
M.J. Quinn, E.S. Moore, D.U. Thomson, B.E. Depenbusch, M.L. May, J.J. Higgins, J.F. Carter, J.S. Drouillard
J. of Animal Science, 86:3054-3061, 2008
- 07-264-J Impact of dexamethasone-induced immunosuppression on the duration and level of shedding of *Escherichia coli* O157:H7 in calves
S. Sreerama, M.W. Sanderson, M. Wilkerson, T.G. Nagaraja
Current Microbiology, 56(6):651-655, 2008
- 08-68-J Feeding supplemental dried distiller's grains increases fecal shedding of *Escherichia coli* O157 in experimentally inoculated calves
M.E. Jacob, G.L. Parsons, M.K. Shelor, J.T. Fox, J.S. Drouillard, D.U. Thomson, D.G. Renter, T.G. Nagaraja
Zoonoses and Public Health, 55:125-132, 2008

Publications without contribution numbers

- Increases in cytokine and antimicrobial peptide gene expression in horses by immunomodulation with *Propionibacterium acnes*
E.G. Davis, B.R. Rush, F. Blecha
Veterinary Therapeutics, 4(1):5-11, 2003
- Equine β -defensin-1: Full-length cDNA sequence and tissue expression
E.G. Davis, Y. Sang, F. Blecha
Veterinary Immunology and Immunopathology, 99(1-2):127-132, 2004
- Effects of respiratory disease risk and a bolus injection of trace minerals at receiving on growing and finishing performance by beef steers
J.H. Clark, KC Olson, T.B. Schmidt, R.L. Larson, M.R. Ellersieck, D.O. Alkire, D.L. Meyer, G.K. Rentfrow, C.C. Carr
The Professional Animal Scientist, 22:245-251, 2006

The effect of dietary lipoic acid on metabolic hormones and acute-phase proteins during challenge with infectious bovine rhinotracheitis virus in cattle
T.B. Schmidt, M.S. Brown, R.L. Larson, S.B. Kleiboeker, KC Olson, D. Keisler, J.A. Carroll, E.P. Berg
American J. of Veterinary Research, 67:1192-1198, 2006

Fecal shedding of Salmonella in feedlot cattle that were treated for apparent respiratory disease
D.G. Renter, M.J. Alam, S.E. Ives, L.C. Hollis, D.U. Thomson, M.W. Sanderson, T.G. Nagaraja
Proceedings of the 87th Annual Conference of Research Workers in Animal Diseases, 2007

Innate immunity and host defense peptides in veterinary medicine
A. Linde, C. Ross, E.G. Davis, L. Dib, F. Blecha, T. Melgarejo
J. of Veterinary Internal Medicine, 22(2):247-265, 2008

Biocontainment, biosecurity, and security practices in beef feedyards
A.W. Brandt, M.W. Sanderson, B.D. DeGroot, D.U. Thomson, L.C. Hollis
J. of the American Veterinary Medical Association, 232(2):262-269, 2008

Communications

- 00-15-J What ag students say motivates them to learn
K.R. Mankin, S. Flores, K.M. Boone, M. Willyard
NACTA J., 48(4):6-11, 2004
- 03-319-J Changing horses: Shifting agricultural experiment station publications from paper to electronic format
E.J. Rodenbaugh, G. Holcombe, A. Hartman
J. of Applied Communications, 87(1):7-26, 2003
- 03-365-J How newspapers in Kansas are using news releases from K-State Research and Extension
P. Melgares, T. Rutherford, L. Alexander
J. of Applied Communications, 87(3):15-27, 2003

- 04-165-S 2003 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 914, Nov. 2003
- 04-167-S 2003 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 915, Nov. 2003
- 04-229-S 2003 Kansas performance tests with sunflower hybrids
P. Evans, M. Claassen, J.R. Cochrane, W. Heer, M. Knapp, K. Roozeboom, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 922, Jan. 2004
- 04-320-S 2004 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, F.K. Brazle, G.L. Kilgore, K. Janssen, K.W. Kelley, C.M. Taliaferro, D.W. Sweeney, M.B. Kirkham, R. Lamond, G.M. Pierzynski, M. Buckley, J.H. Long, D.J. Jardine, S. Staggenborg, S. Duncan, M. Knapp
KS Agric. Exp. Stn. Report of Progress 926, Apr. 2004
- 05-137-J Common themes of safe food-handling behavior among mature adults
K. Boone, K. Penner, J.C. Gordon, V. Remig, L. Harvey, T. Clark
Food Protection Trends, 25(9):706-711, 2005
- 05-145-S 2004 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 932, Nov. 2004
- 05-166-S 2004 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 933, Dec. 2004
- 05-194-S 2004 Kansas performance tests with sunflower hybrids
P. Evans, M. Claassen, J.R. Cochrane, W. Heer, M. Knapp, K. Kofoid, K. Roozeboom, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 936, Jan. 2005
- 05-236-J The National Plant Diagnostic Network
J.P. Stack, K. Cardwell, R. Hammerschmidt, J. Byrne, R. Loria, K. Snover-Clift, W. Baldwin, G. Wisler, H. Beck
Plant Disease, 90(2):128-136, 2006
- 05-255-S 2005 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, D.W. Sweeney, K.W. Kelley, J.H. Long, M.B. Kirkham, G.M. Pierzynski, M. Buckley, R. Lamond, S. Staggenborg, F.K. Brazle, G.L. Kilgore, S. Duncan, C.M. Taliaferro, M. Knapp
KS Agric. Exp. Stn. Report of Progress 944, Apr. 2005
- 06-100-J The concept of authenticity: Implications for interpretation
S.G. Hill, T. Cable
J. of Interpretation Research, 11(1), 2006

- 07-179-S Beef cattle research 2007
 J.S. Drouillard, C.A. Dobbins, D.E. Tenhouse, D.R. Eborn, S.K. Johnson, K.R. Harmony, J.S. Stevenson, M.G. Burns, B.S. Buttrey, J.E. Larson, B.J. Lovaas, G.C. Lamb, K.C. Olson, D.M. Grieger, S.J. Breiner, K.M. Boone, D.A. Blasi, S.A. Grau, T.C. Schroeder, B.B. Barnhardt, R.M. Breiner, A.M. Bryant, D.L. Pendell, M.P. Epp, M.F. Spire, B.J. White, R.L. Larson, D.U. Thomson, A. Garmyn, D. Moser, M.E. Dikeman, A.L. Van Eenennaam, J. Li, R.M. Thallman, R.L. Quaas, C. Gill, D.E. Franke, M.G. Thomas, P.J. Guiroy, G.F. Schroeder, E.C. Titgemeyer, E.S. Moore, J.O. Wallace, W.F. Miller, B.J. Johnson, C.D. Reinhardt, J.A. Christopher, T.T. Marston, M.L. May, M.J. Quinn, C.E. Walker, B.E. Depenbusch, E.R. Loe, M.E. Corrigan, T.A. Wickersham, R.C. Cochran, E.E. Wickersham, D.P. Gnad, T.G. Nagaraja, A.B. Thornton, J.T. Fox, G.H. Loneragan, D. Burkhardt, M.E. Jacob, S.L. Reinstein, C.R. Raines, J.A. Unruh, M.C. Hunt, J.J. Higgins, J.L. Marsden, S. Hutchison, F. Ameri, J.S. Smith, P. Gadgil, M.N. Roberts, K.J.K. Getty, E.A.E. Boyle, F. Hijaz, C.L. Kastner
 KS Agric. Exp. Stn. Report of Progress 978, Mar. 2007

Community Health Institute

- 04-443-J A comparison of a gardening and nutrition program with a standard nutrition program in an out-of-school setting
 S.A. Poston, C.A. Shoemaker, D. Dzewaltowski
 HortTechnology, 15(3):463-467, 2005

Publications without contribution numbers

The future of health behavior change research: What is needed to promote the translation of research into health promotion practice?
 R.E. Glasgow, L.M. Klesges, D.A. Dzewaltowski, S.S. Bull, P.A. Estabrooks
 Annals of Behavioral Medicine, 27:3-12, 2004

Attraction to physical activity mediates the relationship between perceived competence and physical activity in youth
 R.J. Paxton, P.A. Estabrooks, D.A. Dzewaltowski
 Research Quarterly for Exercise and Sport, 75:107-111, 2004

Behavior change intervention research in community settings: How generalizable are the results?
 D.A. Dzewaltowski, P.A. Estabrooks, L.M. Klesges, S.S. Bull, R.E. Glasgow
 Health Promotion International, 19:235-245, 2004

The future of physical activity behavior change research: What is needed to improve translation of research into health promotion practice?
 D.A. Dzewaltowski, R.E. Glasgow, P.A. Estabrooks
 Exercise and Sport Sciences Reviews, 32:57-63, 2004

Validation of a task self-efficacy scale for fruit and vegetable consumption in Greek youth
 K. Karateroliotis, I. Tasamita, N.C. Gyuresik, D.A. Dzewaltowski
 European J. of Human Movement, 11:51-57, 2004

The relationship between delivery agents' physical activity level and the likelihood of implementing a physical activity program
 P.A. Estabrooks, M. Bradshaw, E.H. Fox, J. Berg, D.A. Dzewaltowski
 American J. of Health Promotion, 18:350-353, 2004

TREND: An important step, but not enough
 D.A. Dzewaltowski, P.A. Estabrooks, L.M. Klesges, R.E. Glasgow
 American J. of Public Health, 94:1474, 2004

RE-AIM: Evidence-based standards and a web resource to improve translation of research into practice
 D.A. Dzewaltowski, R.E. Glasgow, L.M. Klesges, P.A. Estabrooks, E. Brock
 Annals of Behavioral Medicine, 28(2):75-80, 2004

Comparison of the computerized ACTIVITYGRAM instrument and the previous day physical activity recall (PDPAR) for assessing physical activity in children
 G.J. Welk, D.A. Dzewaltowski, J.L. Hill
 Research Quarterly for Exercise and Sport, 75:370-380, 2004

Beginning with the application in mind:
Designing and planning health behavior
change interventions to enhance
dissemination

L.M. Klesges, P.A. Estabrooks, R.E.
Glasgow, D.A. Dzewaltowski, S.S. Bull
Annals of Behavioral Medicine, 29:66-75,
2005

Prevention of the epidemic increase in child
risk of overweight in low-income schools:
The El Paso coordinated approach to child
health

K.J. Coleman, C.L. Tiller, J. Sanchez, E.M.
Heath, O. Sy, G. Milliken, D.A.
Dzewaltowski
Archives of Pediatric and Adolescent
Medicine, 159:217-224, 2005

Evaluating the impact of health promotion
programs: Using the RE-AIM framework to
form summary measures for decision
making involving complex issues

R.E. Glasgow, L.M. Klesges, D.A.
Dzewaltowski, P.A. Estabrooks, T.M. Vogt
Health Education Research, 21:688-694,
2006

Results of the first year of Active for Life:
Translation of two evidence-based physical
activity programs for older adults into
community settings

S. Wilcox, M. Dowda, S.F. Griffin, C.
Rheume, M.G. Ory, L. Leviton, A.C. King,
A. Dunn, D.M. Buchner, T. Bazzarre, P.A.
Estabrooks, K. Campbell-Voytal, J. Bartlett-
Prescott, D. Dowdy, C.M. Castro, R.
Carpenter, D.A. Dzewaltowski, R.
Mockenhaupt
American J. of Public Health, 96(7):1201-
1209, 2006

Measurement of self-efficacy and proxy
efficacy for middle school youth physical
activity

D.A. Dzewaltowski, K. Kateroliotis, G.
Welk, J.A. Johnston, P.A. Estabrooks, D.
Nyaronga
J. of Sport and Exercise Psychology,
29(3):310-332, 2007

Diagnostic Medicine/Pathobiology

00-222-J Detection of *Escherichia coli* Shiga-toxin
(*stx*) and enterotoxin (*estA* and *elt*) genes in
fecal samples from non-diarrheic and
diarrheic greyhounds
J.J. Staats, M.M. Chengappa, M. DeBey, B.
Fickbohm, R.C. Oberst
Veterinary Microbiology, 94:303-312, 2003

00-442-J Effects of an *Actinobacillus*
pleuropneumoniae challenge on growth,
nitrogen balance, insulin-like growth factor-
I, acute phase proteins, and final body
composition of swine
J.A. Loughmiller, S.S. Dritz, J.L. Nelssen,
M.D. Tokach, R.D. Goodband, B.W.
Fenwick, T.L. McDonald
J. of Animal and Veterinary Advances,
4:805-817, 2005

01-433-J Leukotoxins of gram-negative bacteria
S. Narayanan, T.G. Nagaraja, M.M.
Chengappa, G. Stewart
Veterinary Microbiology, 84(4):337-336,
2002

02-503-J Internal helminth parasites of the lesser
prairie-chicken *Tympanuchus pallidicinctus*
in southwestern Kansas: Incidence, burdens,
and effects
R.J. Robel, T.L. Walker, C.A. Hagen, R.K.
Ridley, K.E. Kemp, R.D. Applegate
Wildlife Biology, 9(1):341-349, 2003

03-4-J Immunogenicity and protective effects of
truncated recombinant leukotoxin proteins
of *Fusobacterium necrophorum* in mice
S. Narayanan, M.M. Chengappa, G.C.
Stewart, T.G. Nagaraja
Veterinary Microbiology, 93(4):335-347,
2003

03-13-J Adoptively transferred C2D macrophages
demonstrate host macrophage-like
properties
M.L. Hart, D.A. Mosier, S.K. Chapes
Infection and Immunity, 71(2):663-670,
2003

03-127-J Normalization of lens protein kinase C γ in
galactosemic dogs by a novel aldose
reductase inhibitor
D.J. Takemoto, R. Harris, A. Brightman, J.
McGill, D. Hua, H. Davidson, B. Fenwick,
L.M. Wagner
Veterinary Ophthalmology, 7(3):163-167,
2004

- 03-228-J Effect of forage or grain diets with or without monensin on ruminal persistence and fecal *Escherichia coli* O157:H7 in cattle
M.J. Van Baale, J.M. Sargeant, D.P. Gnad, B.M. DeBey, K.F. Lechtenberg, T.G. Nagaraja
Applied and Environmental Microbiology, 70(9):5336-5342, 2004
- 03-232-J Effect of protein supplementation frequency on forage use, nitrogen balance, ruminal nitrogen metabolism, and ruminal VFA of beef cattle consuming low-quality, tallgrass-prairie forage
C.G. Farmer, R.C. Cochran, T.G. Nagaraja, E.C. Titgemeyer, T.A. Wickersham
J. of Animal Science, 82:895-903, 2004
- 03-297-J Effect of type of supplemental carbohydrate and source of supplemental rumen degradable protein on low-quality forage utilization by beef steers
J.I. Arroquy, R.C. Cochran, T.A. Wickersham, D.A. Llewellyn, E.C. Titgemeyer, T.G. Nagaraja, D.E. Johnson
Animal Feed Science and Technology, 115:247-263, 2004
- 03-341-J Dietary L-carnitine increases plasma leptin concentrations of gestating sows fed one meal per day
J.C. Woodworth, J.E. Minton, M.D. Tokach, J.L. Nelssen, R.D. Goodband, S.S. Dritz, S.I. Koo, K.Q. Owen
Domestic Animal Endocrinology, 26(1):1-9, 2004
- 03-364-J Effect of supplemental types of non-fiber carbohydrate and level of rumen degradable protein on intake and digestion of low-quality grass hay by beef cattle
J.I. Arroquy, R.C. Cochran, M. Villarreal, T.A. Wickersham, D.A. Llewellyn, E.C. Titgemeyer, T.G. Nagaraja, D.E. Johnson, D. Gnad
Animal Feed Science and Technology, 115:83-99, 2004
- 03-379-J Changes in circulating insulin-like growth factor-1, insulin-like growth factor binding proteins, and leptin in weaned pigs infected with *Salmonella enterica* serovar Typhimurium
N. Jenkins, J. Turner, S. Dritz, S. Durham, J.E. Minton
Domestic Animal Endocrinology, 26(1):49-60, 2004
- 03-406-J Effect of types of non-fiber carbohydrate on in vitro forage fiber digestion of low-quality grass hay
J.I. Arroquy, R.C. Cochran, T.G. Nagaraja, E.C. Titgemeyer, D.E. Johnson
Animal Feed Science and Technology, 120:93-106, 2005
- 03-409-J Accessory gene regulator control of staphylococcal enterotoxin D gene expression
C.W. Tseng, S. Zhang, G.C. Stewart
J. of Bacteriology, 186:1793-1801, 2004
- 03-412-J Increasing weaning age improves pig performance in a multi-site production system
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
J. of Animal Science, 82:1499-1508, 2004
- 04-016-J Effect of dietary mannanoligosaccharide and sodium chlorate on the growth performance, acute phase response and bacterial shedding of weaned pigs challenged with *Salmonella enterica* serotype Typhimurium
T.E. Burkey, S.S. Dritz, J.C. Nietfeld, B.J. Johnson, J.E. Minton
J. of Animal Science, 82:397-404, 2004
- 04-021-J Delayed clearance of *Ehrlichia chaffeensis* infection in CD4+ T-cell knockout mice
R.R. Ganta, C. Cheng, M.J. Wilerson, S.K. Chapes
Infection and Immunity, 72:159-167, 2004
- 04-066-J Effect of antibiotics in milk replacer on fecal shedding of *Escherichia coli* O157:H7 in calves
W. Alali, J. Sargeant, T.G. Nagaraja, B. DeBey
J. of Animal Science, 82:2148-2152, 2004

- 04-130-S Swine day 2003
R.D. Goodband, A.T. Waylan, B.J. Johnson, J.P. Kayser, D.P. Gnad, J.D. Dunn, E.K. Sissom, J.J. Higgins, J.C. Woodworth, M.G. Young, M.D. Tokach, J. Noblet, F.X. Aherne, S.S. Dritz, J.L. Nelssen, J. van Milgen, R.G. Main, E.C. Baudon, J.D. Hancock, J.M. DeRouchey, J.L. Usry, M.U. Steidinger, N.A. Lenehan, C.W. Hastad, M.R. Barker, N.Z. Frantz, C.N. Groesbeck, B.W. James, T.P. Keegan, K.R. Lawrence, N. Llanes, T. Iwasawa, C.W. Hasted, C.L. Jones, C.W. Starkey, J.C. Nietfeld, J.E. Minton, K.M. Bond, D.J. Lee, T.E. Burkey, S.M. Hanni, J.W. Homm, J.A. Unruh, R.C. Johnson
KS Agric. Exp. Stn. Report of Progress 920, Nov. 2003
- 04-242-S Cattlemen's day 2004
L.C. Hollis, J.E. Larson, G.C. Lamb, T.W. Geary, J.S. Stevenson, S.K. Johnson, M.L. Day, D.J. Kesler, J.M. DeJarnette, D.G. Landblom, D. Whittier, T.W. Marston, F.N. Schrick, J.D. Areseneau, A.W. Thompson, D.R. Eborn, L.D. Keenan, D.M. Grieger, K. Harmony, T.T. Marston, M. Sanderson, P. Chenoweth, D.A. Llewellyn, B.T. Gray, C.A. Bandyk, V.L. Martin, R. Hale, E.A. Elwakeel, E.C. Titgemeyer, J.S. Drouillard, B.J. Johnson, M.S. Awawdeh, K.C. McCuistion, D.P. Gnad, G.F. Schroeder, S.P. Montgomery, J.J. Sindt, M.A. Greenquist, W.F. Miller, J.N. Pike, E.J. Good, E.R. Loe, M.J. Sulpizio, T.J. Kessen, B.E. Depenbusch, B. Dicke, G.E. Erickson, T.J. Klopfenstein, R.T. Botts, P.T. Anderson, F.N. Owens, C.D. Lee, G.L. Bishop, J.R. Brethour, M.P. Epp, D.A. Blasi, J.P. Kayser, E.A. Koch, R.M. Breiner, J.A. Christopher, J.A. Unruh, B.B. Barnhardt, G.L. Stokka, G. Palmer, J.T. Fox, M.F. Spire, N.A. Lenehan, J.M. DeRouchey, M.L. Christian, G.L. Marchin, J.W. Homm, E. Obuz, J.W. Stephens, M.E. Dikeman, J.P. Grobbel, T.M. Loughin, G.A. Milliken, E.J. Yancey
KS Agric. Exp. Stn. Report of Progress 923, Mar. 2004
- 04-283-J The leukotoxin operon of *Fusobacterium necrophorum* is not present in other species of *Fusobacterium*
A. Oelke, T.G. Nagaraja, M.J. Wilkerson, G.C. Stewart
Anaerobe, 11(1-2):123-129, 2005
- 04-319-J Multiplex detection of *Ehrlichia* and *Anaplasma* species pathogens in peripheral blood by real-time reverse transcriptase-polymerase chain reaction
K.R. Sirigireddy, R.R. Ganta
J. of Molecular Diagnostics, 7(2):308-36, 2005
- 04-321-B Mouse infection models for space flight immunology
S.K. Chapes, R.R. Ganta
In: Advances in space biology and medicine, G. Sonnenfeld (Ed.). New York: Elsevier, pp. 81-104, 2005
- 05-9-J *Ehrlichia chaffeensis* expresses macrophage- and tick cell-specific 28-Kilodalton outer membrane proteins
V. Singu, H. Liu, C. Cheng, R.R. Ganta
Infection and Immunity, 73(1):79-87, 2005
- 05-18-J Correlation of results of pulmonary computed tomography and pathologic findings in mice with pasteurella-induced pneumonia
L. Armbrust, D.A. Mosier, E. Nelson, M.L. Hart, S.K. Chapes
American J. of Veterinary Research, 66:835-838, 2005
- 05-59-J Interactive responses in gut immunity, and systemic and local changes in the IGF system in nursery pigs in response to *Salmonella enterica* serovar Typhimurium
B.J. Johnson, S.S. Dritz, K.A. Skjolaas-Wilson, T.E. Burkey, J.E. Minton
J. of Animal Science, 83(E Suppl.):E48-E56, 2005
- 05-67-J Bovine alveolar macrophage neurokinin-1 and response to substance P
D. Rogers, C. Wyatt, P. Walz, J. Drouillard, D. Mosier
J. of Veterinary Immunopathology, 112(3-4):290-295, 2006
- 05-124-J Comparison of rectoanal mucosal swab cultures and fecal cultures for determining prevalence of *Escherichia coli* O157:H7 in feedlot cattle
M.A. Greenquist, J.S. Drouillard, J.M. Sargeant, B.E. Depenbusch, X. Shi, T.G. Nagaraja
Applied and Environmental Microbiology, 71:6431-6433, 2005

- 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. Loughlin, G.V. Hickey, J.M. Bieker, C.L. Kastner
KS Agric. Exp. Stn. Report of Progress 943, Feb. 2005
- 05-232-J Effects of feeding commercially grown pigs below or above their lysine requirement in early and late finishing on growth performance and economics
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen, T.M. Loughlin
The Professional Animal Scientist, 24:76-87, 2008
- 05-237-J A comparison of serological responses when modified live infectious bovine rhinotracheitis virus vaccine and *Mannheimia haemolytica* bacterin-leukotoxoid are administered with needle-free versus conventional needle-based injection in yearling feedlot steers
L.C. Hollis, J.F. Smith, B.J. Johnson, S. Kapil, D.A. Mosier
Bovine Practitioner, 39:106-109, 2005
- 05-238-J A comparison of serological responses when modified live infectious bovine rhinotracheitis virus vaccine, *Mannheimia haemolytica* bacterin-leukotoxoid, and *Leptospira pomona* bacterin are administered with needle-free versus conventional needle-based injection in Holstein dairy calves
L.C. Hollis, J.F. Smith, B.J. Johnson, S. Kapil, D.A. Mosier
Bovine Practitioner, 39:110-114, 2005
- 06-15-J Effects of oral administration of sodium citrate or acetate to pigs on blood parameters, postmortem glycolysis, muscle pH decline, and quality attributes of pork
J.W. Stephens, M.E. Dikeman, A.J. Unruh, M.D. Haub, M.D. Tokach, S.S. Dritz
J. of Animal Science, 86:1669-1677, 2008
- 06-25-J Unique macrophage and tick cell-specific protein expression from the p28/p30-outer membrane protein multigene locus in *Ehrlichia chaffeensis* and *Ehrlichia canis*
V. Singu, L. Peddireddi, K.R. Sirigireddy, C. Cheng, U. Munderloh, R.R. Ganta
Cell Microbiology, 8(9):1475-1487, 2006
- 06-38-J Effects of *Salmonella enterica* serovars Typhimurium (ST) and Choleraesuis (SC) on chemokine and cytokine expression in swine ileum and jejunal epithelial cells
K.A. Skjolaas, T.E. Burkey, S.S. Dritz, J.E. Minton
Veterinary Immunology and Immunopathology, 111(3-4):199-209, 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
- 06-48-J Influence of processed grains on fecal pH, starch concentration, and shedding of *Escherichia coli* O157 in feedlot cattle
B.E. Depenbusch, T.G. Nagaraja, J.M. Sargent, J.S. Drouillard, E.R. Loe, M.E. Corrigan
J. of Animal Science, 86:632-639, 2008

- 06-63-S Swine research 2005
S.K. Linneen, J.M. Benz, S.S. Dritz, J.M. DeRouchey, R.D. Goodband, M.D. Tokach, R.R.R. Rowland, J. Nietfeld, A.B. Brazle, B.J. Johnson, E.C. Titgemeyer, S.K. Webel, D.L. Davis, K.R. Brown, J.L. Nelssen, N.Z. Frantz, R.O. Gottlob, C.N. Groesbeck, C.W. Hastad, C.R. Neill, J.D. Schneider, M.G. Young, J.C. Woodworth, E.J. Minton, T.E. Burkey, B.M. Hildabrand, K.A. Skjolaas-Wilson, J. Bergstrom, E.E. Carney, J.L. Usry, G. Andrews, C.K. Benz, J.W. Stephens, M.E. Dikeman, J.A. Unruh, M.D. Haub
KS Agric. Exp. Stn. Report of Progress 964, Nov. 2005
- 06-157-J Effects of concentrate level of diet and pen configuration on prevalence of *Escherichia coli* O157 in finishing goats
J.T. Fox, M. Corrigan, J.S. Drouillard, X. Shi, R.D. Oberst, T.G. Nagaraja
Small Ruminant Research, 72:45-50, 2007
- 06-164-J West Nile virus in Kansas
K.R. Sirigireddy, G.A. Kennedy, A. Broce, L. Zurek, R.R. Ganta
Emerging Infectious Diseases, 6:351-360, 2006
- 06-219-J Dry rolled or steam flaked grain-based diets on fecal shedding of *E. coli* O157 in feedlot cattle
J.T. Fox, J.S. Drouillard, T.G. Nagaraja
J. of Animal Science, 85:1207-1212, 2007
- 06-223-J Stable expression of a Norwalk virus RNA replicon in a human hepatoma cell line
K.-O. Chang, S. Sosnovtsev, G. Belliot, A. King, K. Green
Virology, 353(2):463-73, 2006
- 06-231-J Effects of melengestrol acetate on the inflammatory response in heifers challenged with *Mannheimia haemolytica*
M.E. Corrigan, J.S. Drouillard, M.F. Spire, D.A. Mosier, J.E. Minton, J.J. Higgins, E.R. Loe, B.E. Dejenbusch, J.T. Fox
J. of Animal Science, 85(7):1770-1779, 2007
- 06-254-J Effects of supplemental fat source on site and extent of nutrient digestion and growth of *Fusobacterium necrophorum* in steers
S.P. Montgomery, J.S. Drouillard, T.G. Nagaraja, E.C. Titgemeyer, J.J. Sindt
J. of Animal Science, 86:640-650, 2008
- 06-269-J Differential clearance and immune responses to tick cell-derived versus macrophage culture-derived *Ehrlichia chaffeensis* in mice
R.R. Ganta, C. Cheng, E.C. Miller, B.L. McGuire, L. Peddireddi, K.R. Sirigireddy, S.K. Chapes
Infection and Immunity, 75(1):135-145, 2007
- 06-274-J Presence of non-O157 Shiga toxin-producing *Escherichia coli* in feces from feedlot cattle in Alberta and absence on corresponding beef carcasses
D.G. Renter, V. Bohaychuk, J. Van Donkersgoed, R. King
Canadian J. of Veterinary Research, 71(3):230-235, 2007
- 06-275-J Pulsed-field gel electrophoresis patterns of *Escherichia coli* O157 isolates from Kansas feedlots
J.M. Sargeant, X. Shi, M.W. Sanderson, D.G. Renter, T.G. Nagaraja
Foodborne Pathogens and Disease, 3(3):251-258, 2006
- 06-276-J Prevalence and serovars of *Salmonella* in feces of free-ranging deer (*Odocoileus virginianus*) in Nebraska
D.G. Renter, D.P. Gnad, J.M. Sargeant, S.E. Hygnstrom
J. of Wildlife Diseases, 42(3):699-703, 2006
- 06-279-J A real-time PCR assay for the detection of *Salmonella* spp. in food and food-animal matrices
V.M. Bohaychuk, G.E. Gensler, M.E. Mcfall, R.K. King, D.G. Renter
J. of Food Protection, 70(5):1080-1087, 2007
- 06-312-J Effects of *Salmonella enterica* serovar Typhimurium, or serovar Choleraesuis, *Lactobacillus reuteri* and *Bacillus licheniformis* on chemokine and cytokine expression in the swine jejunal epithelial cell line IPEC-J2
K.A. Skjolaas, T.E. Burkey, S.S. Dritz, J.E. Minton
Veterinary Immunology and Immunopathology, 115(3-4):299-308, 2007

- 06-315-J Expression of Toll-like receptors, interleukin 8, macrophage migration inhibitory factor, and osteopontin in tissues from pigs challenged with *Salmonella enterica* serovar Typhimurium or serovar Choleraesuis
T.E. Burkey, K.A. Skjolaas, S.S. Dritz, J.E. Minton
Veterinary Immunology and Immunopathology, 115(3-4):309-319, 2007
- 06-316-J Effects of feeding *Salmonella enterica* serovar Typhimurium or serovar Choleraesuis on growth performance and circulating insulin-like growth factor-I, tumor necrosis factor-, and interleukin-1 β in weaned pigs
J.N. Fraser, B.L. Davis, K.A. Skjolaas, T.E. Burkey, S.S. Dritz, B.J. Johnson, J.E. Minton
J. of Animal Science, 85(5):1161-1167, 2007
- 06-349-J Transmission of *Escherichia coli* O157:H7 to cattle by house flies
A. Ahmad, T.G. Nagaraja, L. Zurek
Preventive Veterinary Medicine, 80:74-81, 2007
- 06-363-J Delayed clearance of and differential immune responses to tick- vs. canine-cell-culture-derived *Ehrlichia chaffeensis*
R.R. Ganta, C. Cheng, E.C. Miller, B.L. McGuire, S.K. Chapes
Infection and Immunity, 75:135-145, 2007
- 07-20-J Ruminal acidosis in beef cattle: The current microbiological and nutritional outlook
T.G. Nagaraja, E.C. Titgemeyer
J. of Dairy Science, 90(E suppl. 1):E17-E38, 2007
- 07-83-S Swine day 2006
R. Carlin, D. Troyer, M. Weiss, B. Schultz, D. Davis, K.R. Brown, B.J. Johnson, R.D. Goodband, M.D. Tokach, J.L. Nelssen, J.C. Woodworth, R.C. Sulabo, J. Quackenbush, S.S. Dritz, J.M. DeRouchey, J.D. Schneider, C.N. Groesbeck, J.M. Benz, D. McKilligan, R.O. Gottlob, C.R. Neill, N.Z. Frantz, B.M. Hildabrand, T.E. Burkey, K.A. Skjolaas, J.E. Minton, E.J. Wiedmann, S.K. Linneen, M.U. Steidinger, R.G. Main, C.R. Monge, J.D. Hancock, T.L. Gugle, C. Feoli, C.L. Jones, C.W. Starkey, G.A. Andrews, C.W. Hastad, J.L. Usry, M.C. Brumm, L.J. Johnston, K. Stalder, W. Diederich
KS Agric. Exp. Stn. Report of Progress 966, Nov. 2006
- 07-113-J Prevalence of *Escherichia coli* O157:H7 in gallbladders of beef cattle
S. Reinstein, J.T. Fox, X. Shi, T.G. Nagaraja
Applied and Environmental Microbiology, 73:1002-1004, 2007
- 07-168-J Detection and determinants of *Escherichia coli* O157:H7 in pre-slaughter feedlot pens in Alberta
D.G. Renter, D.R. Smith, R. King, R. Stilborn, J. Berg, J. Berezowski, M. McFall
Canadian J. of Veterinary Research, 72(3):217-227, 2008
- 07-179-S Beef cattle research 2007
J.S. Drouillard, C.A. Dobbins, D.E. Tenhouse, D.R. Eborn, S.K. Johnson, K.R. Harmony, J.S. Stevenson, M.G. Burns, B.S. Buttrey, J.E. Larson, B.J. Lovaas, G.C. Lamb, K.C. Olson, D.M. Grieger, S.J. Breiner, K.M. Boone, D.A. Blasi, S.A. Grau, T.C. Schroeder, B.B. Barnhardt, R.M. Breiner, A.M. Bryant, D.L. Pendell, M.P. Epp, M.F. Spire, B.J. White, R.L. Larson, D.U. Thomson, A. Garmyn, D. Moser, M.E. Dikeman, A.L. Van Eenennaam, J. Li, R.M. Thallman, R.L. Quaas, C. Gill, D.E. Franke, M.G. Thomas, P.J. Guiroy, G.F. Schroeder, E.C. Titgemeyer, E.S. Moore, J.O. Wallace, W.F. Miller, B.J. Johnson, C.D. Reinhardt, J.A. Christopher, T.T. Marston, M.L. May, M.J. Quinn, C.E. Walker, B.E. Depenbusch, E.R. Loe, M.E. Corrigan, T.A. Wickersham, R.C. Cochran, E.E. Wickersham, D.P. Gnad, T.G. Nagaraja, A.B. Thornton, J.T. Fox, G.H. Loneragan, D. Burkhardt, M.E. Jacob, S.L. Reinstein, C.R. Raines, J.A. Unruh, M.C. Hunt, J.J. Higgins, J.L. Marsden, S. Hutchison, F. Ameri, J.S. Smith, P. Gadgil, M.N. Roberts, K.J.K. Getty, E.A.E. Boyle, F. Hijaz, C.L. Kastner
KS Agric. Exp. Stn. Report of Progress 978, Mar. 2007
- 07-182-J The effects of feeding wet corn distiller's grains with solubles with or without monensin and tylosin on the prevalence and antimicrobial susceptibility of fecal food-borne pathogenic and commensal bacteria in feedlot cattle
M.E. Jacob, J.T. Fox, S.K. Narayanan, J.S. Drouillard, D.G. Renter, T.G. Nagaraja
J. of Animal Science, 86:1182-1190, 2008

- 07-183-J Evaluation of culture methods to identify cattle feces with high concentrations of *Escherichia coli* O157
J.T. Fox, D.G. Renter, M.W. Sanderson, D.U. Thomson, K.F. Lechtenberg, T.G. Nagaraja
Applied and Environmental Microbiology, 73(16):5253-5260, 2007
- 07-186-J Vector competence of stable flies, *Stomoxys calcitrans* L. (Diptera: Muscidae) for *Enterobacter sakazakii*
F. Mramba, A.B. Broce, L. Zurek
J. of Vector Ecology, 32:134-139, 2007
- 07-201-J Interferons and ribavirin effectively inhibit Norwalk virus replication in replicon-bearing cells
K. Chang, D.W. George
J. of Virology, 81(22):12111-12118, 2007
- 07-215-J Prevalence of *Escherichia coli* O157:H7 in the American bison (*Bison bison*)
S. Reinstein, J.T. Fox, X. Shi, M.J. Alam, T.G. Nagaraja
J. of Food Protection, 70:2555-2560, 2007
- 07-232-J Bile acids promote the expression of hepatitis C in replicon-harboring cells
K.O. Chang, D.W. George
J. of Virology, 81(18):9633-9640, 2007
- 07-235-J Influx of enterococci and associated antibiotic resistance and virulence genes from ready-to-eat food
L. Macovei, L. Zurek
Applied and Environmental Microbiology, 73:6740-6747, 2007
- 07-258-J Effect of dietary nutrients on osteochondrosis lesions and cartilage properties in pigs
N.Z. Frantz, G.A. Andrews, M.D. Tokach, J.L. Nelssen, R.D. Goodband, J.M. DeRouche, S.S. Dritz
American J. of Veterinary Research, 69:617-624, 2008
- 07-262-J Field evaluation of mortality rate and growth performance in pigs vaccinated against porcine circovirus type 2
K.P. Horlen, S.S. Dritz, J.C. Nietfeld, S.C. Henry, R.A. Hesse, R. Oberst, M. Hays, J. Anderson, R.R. Rowland
J. of the American Veterinary Medical Association, 232:906-912, 2008
- 07-264-J Impact of dexamethasone-induced immunosuppression on the duration and level of shedding of *Escherichia coli* O157:H7 in calves
S. Sreerama, M.W. Sanderson, M. Wilkerson, T.G. Nagaraja
Current Microbiology, 56(6):651-655, 2008
- 07-271-J *Drosophila* S2 cells as a model for studying *Ehrlichia chaffeensis* infections
A. Luce-Fedrow, T. Von Ohlen, D. Boyle, R. Ganta, S. Chapes
Applied and Environmental Microbiology, 74:1886-1891, 2008
- 07-279-J Differentiation of C2D macrophage cells after adoptive transfer
B.E. Potts, M.L. Hart, L.L. Snyder, D. Boyle, D.A. Mosier, S.K. Chapes
Clinical and Vaccine Immunology, 15:243-252, 2008
- 07-301-J *Fusobacterium equinum* possesses a leukotoxin gene and exhibits leukotoxin activity
S. Tadepalli, G.C. Stewart, T.G. Nagaraja, S.S. Jang, S.K. Narayanan
Veterinary Microbiology, 127(1-2):89-96, 2008
- 07-302-J Human *Fusobacterium necrophorum* strains have a leukotoxin gene and exhibit leukotoxic activity
S. Tadepalli, G.C. Stewart, T.G. Nagaraja, S.K. Narayanan
J. of Medical Microbiology, 57(2):225-231, 2008
- 07-306-J *Escheria coli* O157 in the rectoanal mucosal region of cattle
J.T. Fox, X. Shi, T.G. Nagaraja
Foodborne Pathogens and Disease, 5:69-77, 2008
- 07-312-J Effects of dried distillers' grain on fecal prevalence and growth of *Escherichia coli* O157 in batch culture fermentations from cattle
M.E. Jacob, J.T. Fox, J.S. Drouillard, D.G. Renter, T.G. Nagaraja
Applied and Environmental Microbiology, 74(1):38-43, 2008

- 08-68-J Feeding supplemental dried distiller's grains increases fecal shedding of *Escherichia coli* 0157 in experimentally inoculated calves
M.E. Jacob, G.L. Parsons, M.K. Shelor, J.T. Fox, J.S. Drouillard, D.U. Thomson, D.G. Renter, T.G. Nagaraja
Zoonoses and Public Health, 55:125-132, 2008
- 08-78-J The potential of house flies to contaminate ready-to-eat food with antibiotic resistant enterococci
L. Macovei, B. Miles, L. Zurek
J. of Food Protection, 71:432-439, 2008
- 08-121-S Swine day 2007
J.Y. Jacela, S.S. Dritz, M.D. Tokach, J.M. DeRouchey, R.D. Goodband, J.L. Nelssen, R.C. Sulabo, J.R. Bergstrom, A. Brazle, T. Rathbun, B. Johnson, D. Davis, C.N. Groesbeck, T.E. Burkey, J.E. Minton, E.J. Wiedemann, J.R. Bergstrom, J.M. Benz, J.C. Woodworth, F. Neher, S.K. Linneen, C. Feoli, J.D. Hancock, S. Issa, T.L. Gugle, S.D. Carter, N.A. Cole, S.M. Williams, C. Monge, R.C. Thaler, A.W. Duttlinger, J. Snow, N.Z. Frantz, G. Andrews, J.D. Schneider, L.J. McKinney, K.C. Behnke, E.E. Carney
KS Agric. Exp. Stn. Report of Progress 985, Nov. 2007
- 08-144-J Effect of crude glycerol on pellet mill production and nursery pig growth performance
C.N. Groesbeck, L.J. McKenney, J.M. DeRouchey, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.L. Nelssen, A.W. Duttlinger, A.C. Farenholtz, K.C. Behnke
J. of Animal Science, 86:2228-2236, 2008
- 08-211-J Antibiotic resistance of enterococci in American bison (*Bison bison*) from a nature preserve compared to that of enterococci in pastured cattle
J.F. Anderson, T.D. Parrish, M. Akhtar, L. Zurek, H. Hirt
Applied and Environmental Microbiology, 74:1726-1730, 2008
- 08-223-B Isolation and molecular detection of *Ehrlichia* from vertebrate animals
C. Cheng, K.R. Sirigireddy, R.R. Ganta
In: Current protocols in microbiology, Unit 3A.3, 2008
Published online,
doi:10.1002/9780471729259.mc03a03s9

Publications without contribution numbers

- Hyperthermia-enhanced splenic cytokine gene expression is mediated by the sympathetic nervous system
C.K. Ganta, F. Blecha, R.R. Ganta, B.G. Helwig, S. Parimi, N. Lu, R.J. Fels, T.I. Musch, M.J. Kenney
Physiological Genomics, 19(2):175-183, 2004
- Central angiotensin II-enhanced splenic cytokine gene expression is mediated by the sympathetic nervous system
C.K. Ganta, N. Lu, B.G. Helwig, F. Blecha, R.R. Ganta, L. Zheng, C.R. Ross, T.I. Musch, R.J. Fels, M.J. Kenney
American J. of Physiology: Heart and Circulatory Physiology, 289(4):H1683-H1691, 2005
- Hypothermia-enhanced splenic cytokine gene expression is independent of the sympathetic nervous system
C.K. Ganta, B.G. Helwig, F. Blecha, R.R. Ganta, R. Cober, S. Parimi, T.I. Musch, R.J. Fels, M.J. Kenney
American J. of Physiology: Regulatory, Integrative and Comparative Physiology, 291(3):R558-R565, 2006
- Innate immunity and inflammation: New frontiers in comparative cardiovascular pathology
A. Linde, D. Mosier, F. Blecha, T. Melgarejo
Cardiovascular Research, 73(1):26-36, 2007
- Fecal shedding of Salmonella in feedlot cattle that were treated for apparent respiratory disease
D.G. Renter, M.J. Alam, S.E. Ives, L.C. Hollis, D.U. Thomson, M.W. Sanderson, T.G. Nagaraja
Proceedings of the 87th Annual Conference of Research Workers in Animal Diseases, 2007
- Biocontainment, biosecurity, and security practices in beef feedyards
A.W. Brandt, M.W. Sanderson, B.D. DeGroot, D.U. Thomson, L.C. Hollis
J. of the American Veterinary Medical Association, 232(2):262-269, 2008

Electrical and Computer Engineering

03-81-J Merging genomic control networks and soil-plant-atmosphere-continuum models
S.M. Welch, J.L. Roe, S. Das, Z. Dong, R. He, M.B. Kirkham
Agricultural Systems, 86:243-274, 2005

05-191-J Modeling gene networks controlling transition to flowering in *Arabidopsis*
S.M. Welch, Z. Dong, J.L. Roe, S. Das
Australian J. of Agricultural Research, 56(9):919-936, 2005

Entomology

02-266-J Susceptibility of Dipel-resistant and -susceptible *Ostrinia nubilalis* (Lepidoptera: Crambidae) to individual *Bacillus thuringiensis* protoxins
H. Li, B. Oppert, R.A. Higgins, F. Huang, L.L. Buschman, K.Y. Zhu.
J. of Economic Entomology, 98(4):1333-1340, 2005

02-464-J Response of the sawtoothed grain beetle, *Oryzaephilus surinamensis* (L.) (Coleoptera: Silvanidae), to food odor emanating through consumer packaging films
S.V. Mowery, J.F. Campbell, M.A. Mullen, A.B. Broce
Environmental Entomology, 33(1):75-80, 2004

02-476-J Putative cues used by *Pteromalus cerealellae* (Hymenoptera: Pteromalidae) to locate its bruchid host
G.N. Mbata, S. Shu, T.W. Phillips, S. Ramaswamy
Annals of the Entomological Society of America, 97:353-360, 2004

03-2-J Two-dimensional analysis of proteinase activity
B. Oppert
J. of Biochemical and Biophysical Methods, 67:173-179, 2006

03-6-B Insecticide toxicity
K.Y. Zhu
In: Encyclopedia of entomology, J.L. Capinera (Ed.). Dordrecht, the Netherlands: Kluwer Academic Publishers, pp. 1186-1188, 2004

03-7-B Synergism
K.Y. Zhu
In: Encyclopedia of entomology, J.L. Capinera (Ed.). Dordrecht, the Netherlands: Kluwer Academic Publishers, pp. 2171-2173, 2004

03-8-B Insecticide resistance
K.Y. Zhu
In: Encyclopedia of entomology, J.L. Capinera (Ed.). Dordrecht, the Netherlands: Kluwer Academic Publishers, pp. 1184-1186, 2004

03-9-B Insecticide formulation
K.Y. Zhu
In: Encyclopedia of entomology, J.L. Capinera (Ed.). Dordrecht, the Netherlands: Kluwer Academic Publishers, pp. 1182-1184, 2004

03-10-B Insecticide bioassay
K.Y. Zhu
In: Encyclopedia of entomology, J.L. Capinera (Ed.). Dordrecht, the Netherlands: Kluwer Academic Publishers, pp. 1180-1182, 2004

03-58-J Resistance to the wheat curl mite (Acari: Eriophyidae) prevents loss in wheat yield
T.L. Harvey, T.J. Martin, D.L. Seifers
J. of Agricultural and Urban Entomology, 20:7-11, 2003

03-67-J Resistance to greenbug (Heteroptera: Aphididae) biotype I in *Aegilops tauschii* synthetic wheats
C.M. Smith, S. Starkey
J. of Economic Entomology, 96:1571-1576, 2003

03-98-J Near-infrared spectroscopic methods to identify *Cotesia flavipes* and *C. sesamiae* (Hymenoptera: Braconidae)
T.J. Cole, M.S. Ram, F.E. Dowell, C.O. Omwega, W.A. Overholt, S.B. Ramaswamy
Annals of the Entomological Society of America, 96(6):865-869, 2003

03-113-J Mating behavior of *Cephalonomia tarsalis* (Ashmead) (Hymenoptera: Bethyilidae) and the effect of female mating frequency on offspring production
L.-L. Cheng, R.W. Howard, J.F. Campbell, R.E. Charlton, J.R. Nechols, S. Ramaswamy
J. of Insect Behavior, 17:227-245, 2004

- 03-144-J Courtship behavior of the soybean stem borer, *Deftes texanus texanus* (Coleoptera: Cerambycidae): Evidence for a female contact sex pheromone
D.J. Crook, J.A. Hopper, S.B. Ramaswamy, R.A. Higgins
Annals of the Entomological Society of America, 97:600-604, 2004
- 03-148-J Genetic mapping of genes expressing resistance to greenbug and Russian wheat aphid in bread wheat
E.V. Boyko, S.R. Starkey, C.M. Smith
Theoretical and Applied Genetics, 109:1230-1236, 2004
- 03-184-J Regulation of juvenile hormone biosynthesis in *Heliothis virescens* by *Manduca sexta* allatotropin
A. Rachinsky, A. Srinivasan, S. Ramaswamy
Archives of Insect Biochemistry and Physiology, 54:121-133, 2003
- 03-219-J Larval survival and development of susceptible and resistant *Ostrinia nubilalis* (Lepidoptera: Pyralidae) on diet containing *Bacillus thuringiensis*
F. Huang, L.L. Buschman, R.A. Higgins
Agricultural and Forest Entomology, 7:45-52, 2005
- 03-222-J Discrimination of self-parasitized hosts by the pupal parasitoid *Muscidifurax zaraptor* (Hymenoptera: Pteromalidae)
T. McKay, A.B. Broce
Annals of the Entomological Society of America, 97:592-599, 2004
- 03-226-J Species-specific allozyme markers for Appalachian wood-feeding cockroaches (Dictyoptera: Cryptocercidae) indicate reproductive incompatibility
B.T. Aldrich, E. Krafur, S. Kambhampati
Biochemical Genetics, 42:149-163, 2004
- 03-247-J Comparative analysis of proteinase activities of *Bacillus thuringiensis* -resistant and -susceptible *Ostrinia nubilalis* (Lepidoptera: Crambidae)
H. Li, B. Oppert, R.A. Higgins, F. Huang, K.Y. Zhu, L.L. Buschman
Insect Biochemistry and Molecular Biology, 34:753-762, 2004
- 03-250-J Biological control of twospotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae) using *Phytoseiulus persimilis* Athias-Henriot (Acari: Phytoseiidae) on ivy geranium: Assessment of predator release ratios
G.P. Opat, J.R. Nechols, D.C. Margolies
Biological Control, 29:445-452, 2004
- 03-269-J Transgenic plants expressing *Bacillus thuringiensis* delta-endotoxins
H. Li, B. Oppert, K.Y. Zhu, R.A. Higgins, F. Huang, L.L. Buschman
Entomologia Sinica, 10(3):155-166, 2003
- 03-275-J *Eretmocerus picketti* new species (Hymenoptera: Chalcidoidea: Aphelinidae), reared from *Tetraleurodes acaciae* (Quaintance) (Homoptera: Aleyrodidae: Aleyrodinae)
M. Rose, G. Zolnerowich
Pan-Pacific Entomologist, 79:119-127, 2003
- 03-285-J Indirect effect of early-season infestations of *Trichosirocalus horridus* on *Rhinocyllus conicus* (Coleoptera: Curculionidae)
L. Milbrath, J. Nechols
Biological Control, 30:95-109, 2004
- 03-303-J Identification of *Aegilops* germplasm with multiple aphid resistance
C.M. Smith, H. Havlickova, B.S. Gill, V. Holubec
Euphytica, 135:265-273, 2004
- 03-310-J Effects of *Bt* corn (mon 863) for corn rootworm control on aboveground nontarget arthropods
M. Al-Deeb, G. Wilde
Environmental Entomology, 32:1164-1170, 2003
- 03-362-J *Eretmocerus rui* n. sp. (Hymenoptera: Chalcidoidea: Aphelinidae), an exotic natural enemy of *Bemisia (tabaci)* group (Homoptera: Aleyrodidae) released in Florida
G. Zolnerowich, M. Rose
Florida Entomologist, 87:283-287, 2004
- 03-391-J Characterization of two chitin synthase genes in the red flour beetle, *Tribolium castaneum* and alternate exon usage in one of the genes during development
Y. Arakane, D. Hogenkamp, Y.C. Zhu, C.A. Specht, R.W. Beeman, K.J. Kramer, M.R. Kanost, S. Muthukrishnan
Insect Biochemistry and Molecular Biology, 34:291-304, 2004

- 03-423-S Agronomy field research 2003
L.D. Maddux, S. Staggenborg, K.A. Janssen, D.A. Whitney, G.M. Pierzynski, J.L. Moyer, C.M. Taliaferro, W.B. Gordon, M.M. Claassen, G.E. Wilde, K.L. Roozeboom, D.L. Fjell, D.L. Regehr, R.E. Lamond, R. Aiken, L.D. Charlet, R.D. Stockton, M. Tuinstra, K. Kofoid, V.L. Martin, R. Hale, D. Blasi, W.F. Heer, R.R. Janke, S.R. Duncan, D. O'Brien, D. Belshe, D.E. Peterson, T.M. Maxwell
KS Agric. Exp. Stn. Report of Progress 913, Jan. 2004
- 03-431-J Seed treatment for control of early season pests of corn and its effect on yield
G. Wilde, K. Roozeboom, M. Claassen, K. Janssen, M. Witt
J. of Agricultural and Urban Entomology, 21:75-85, 2004
- 04-001-J Seed treatments for control of insect pests of sorghum and their effect on yield
G. Wilde, K. Roozeboom, M. Claassen, K. Janssen, M. Witt, P. Evans, T. Harvey, J. Long
Southwestern Entomologist, 29:209-223, 2004
- 04-004-J Diatomaceous earth increases the efficacy of *Beauveria bassiana* against *Tribolium castaneum* larvae and increases conidia attachment
W. Akbar, J.C. Lord, J.R. Nechols, R.W. Howard
J. of Economic Entomology, 97:273-280, 2004
- 04-005-J Individual and combined effects of *Trichosirocalus horridus* and *Rhinocyllus conicus* (Coleoptera: Curculionidae) on musk thistle
L.R. Milbrath, J.R. Nechols
Biological Control, 30:418-429, 2004
- 04-006-J Effect of Bt corn expressing the Cry38b1 toxin for corn rootworm control on western corn rootworm biology
M. Al-Deeb, G. Wilde
J. of the Kansas Entomological Society, 78:142-152, 2005
- 04-009-J Characterizations of general esterases in relation to malathion susceptibility in two field populations of the oriental migratory locust, *Locusta migratoria manilensis* (Meyen)
Y-P. He, En-Bo. Ma, K.Y. Zhu
Pesticide Biochemistry and Physiology, 78:103-113, 2004
- 04-011-A Agricultural plant pathogen disease pathways: Predicting the dispersal of exotic soybean aphids
J.M.S. Hutchinson, N.J. Leathers, J. Herynk, L.R. Campbell, J.C. Reese
Papers and Proceedings of the Applied Geography Conference, 26:471-478, 2003
- 04-015-J Comparative studies of acetylcholinesterases purified from two field populations of the oriental migratory locust (*Locusta migratoria manilensis*): Implications of insecticide resistance
E.-B. Ma, Y.-P. He, K.Y. Zhu
Pesticide Biochemistry and Physiology, 78:67-77, 2004
- 04-026-J Evaluation of rubidium chloride and cesium chloride incorporated in a meridic diet to mark *Diatraea grandiosella* (Lepidoptera: Crambidae) for dispersal studies
J.A. Qureshi, L.L. Buschman, S.B. Ramaswamy, J.E. Throne, M.P. Whaley
Environmental Entomology, 33(3):487-498, 2004
- 04-027-J A group of related cDNAs encoding secreted proteins from Hessian fly [*Mayetiola destructor* (Say)] salivary glands
M-S. Chen, J.P. Fellers, J.J. Stuart, J.C. Reese, X. Liu, A. Matthews
Insect Molecular Biology, 13(1):101-108, 2004
- 04-033-J Characterizations of genes expressed in the salivary glands of the Hessian fly, *Mayetiola destructor* (Say)
X. Liu, J.P. Fellers, G.R. Reeck, G.E. Wilde, M-S. Chen
Insect Biochemistry and Molecular Biology, 34:229-237, 2004
- 04-045-J Genetic analysis and molecular mapping of a wheat gene conferring tolerance to the greenbug (*Schizaphis graminum* Rondani)
L. Zhu, C.M. Smith, A. Fritz, E. Boyko, M.B. Flinn
Theoretical and Applied Genetics, 109:289-293, 2004

- 04-056-J Rubidium chloride and cesium chloride sprayed on corn plants and evaluated for marking *Diatraea grandiosella* (Lepidoptera: Crambidae) in mark-recapture dispersal studies
J.A. Qureshi, L.L. Buschman, J.E. Throne, M.P. Whaley, S.B. Ramaswamy
Environmental Entomology, 33(4):930-940, 2004
- 04-075-J Effect of Roundup Ready wheat on greenbug, Russian wheat aphid, and wheat curl mite
T.L. Harvey, T.J. Martin, D. Seifers
J. of Agricultural and Urban Entomology, 20:203-206, 2003
- 04-081-J Use of the Pherocon CRW trap to monitor populations of western corn rootworm (Coleoptera: Chrysomelidae): Economic thresholds, trap placement, and comparison to other lure trap
J. Singh, G. Wilde, R. Shufran, J. Whitworth
Southwestern Entomologist, 29:167-174, 2005
- 04-082-J Tritrophic interaction of parasitoid *Lysiphlebus testaceipes* (Hymenoptera: Aphididae) greenbug, *Schizaphis graminum* (Homoptera: Aphididae), and greenbug-resistant sorghum hybrids
M. Dogramaci, Z.B. Mayo, R.J. Wright, J.C. Reese
J. of Economic Entomology, 98(1):202-209, 2005
- 04-088-J Oil-soluble dyes incorporated in meridic diet of *Diatraea grandiosella* (Lepidoptera: Crambidae) as markers for adult dispersal studies
J.A. Qureshi, L.L. Buschman, J.E. Throne, M.P. Whaley, S.B. Ramaswamy
J. of Economic Entomology, 97(3):836-845, 2004
- 04-098-J Synergistic and antagonistic effects of atrazine on the toxicity of organophosphorodithioate- and organophosphorothiccate-insecticides to *Chironomus tentans* (Diptera: Chironomidae)
T.D. Anderson, K.Y. Zhu
Pesticide Biochemistry and Physiology, 80:54-64, 2004
- 04-120-J Identification of Russian wheat aphid (Homoptera: Aphididae) biotypes virulent to the DN4 resistance gene
C.M. Smith, T. Belay, C. Stauffer, P. Stary, I. Kubeckova, S. Starkey
J. of Economic Entomology, 97:1112-1117, 2004
- 04-165-S 2003 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 914, Nov. 2003
- 04-167-S 2003 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 915, Nov. 2003
- 04-174-J Plant age, fertilization, and biological control affect damage caused by twospotted spider mites on ivy geranium: Development of an action threshold
G.P. Opit, Y. Chen, K.A. Williams, J.R. Nechols, D.C. Margolies
J. of the American Society for Horticultural Science, 130:159-166, 2005
- 04-201-J Registration of greenbug resistant sorghum germplasm lines KS 116 A/B - KS 120 A/B
K.D. Kofoid, T.L. Harvey
Crop Science, 45:802, 2005
- 04-202-J Biological and molecular variability among High Plains virus isolates
D.L. Seifers, Y.-M. She, T.L. Harvey, T.J. Martin, S. Haben, V. Ens, K.G. Standing, R. Louie, D.T. Gordon
Plant Disease, 88(8):824-829, 2004
- 04-205-J Categories of resistance to biotype I greenbugs (Homoptera: Aphididae) in wheats expressing *Gby* and *Gbaz* genes
D. Boina, S. Prabhakar, C.M. Smith, S. Starkey, L. Zhu, E. Boyko, J.C. Reese
J. of the Kansas Entomological Society, 78:252-260, 2005

- 04-214-J Binding analysis of Cry1Ab and Cry1Ac with membrane vesicles from *Bacillus thuringiensis*-resistant and -susceptible *Ostrinia nubilalis* (Lepidoptera: Crambidae) H. Li, J. González-Cabrera, B. Oppert, J. Ferré, R.A. Higgins, L.L. Buschman, G.A. Radke, K.Y. Zhu, F. Huang
Biochemical and Biophysical Research Communications, 323:52-57, 2004
- 04-221-A A new species of *Epimicta forster* (Hymenoptera: Braconidae) from North America and new distribution records for *Epimicta griffithsi* Whartonv R.R. Kula, G. Zolnerowich
Proceedings of the Entomological Society of Washington, 2005, 107:78-83
- 04-247-J Pathogenicity of three entomopathogenic nematode species to some major stored product insect pests O. Ramos-Rodriguez, J.F. Campbell, S.B. Ramaswamy
J. of Stored Products Research, 42:241-252, 2006
- 04-249-J *Eretmocerus perseae* n. sp. (Hymenoptera: Chalcidoidea: Aphelinidae) reared from *Tetraleurodes perseae* nakahara (Homoptera: Aleyrodidae: Aleyrodinae) living on avocado in Michoacan, Mexico M. Rose, G. Zolnerowich
Vedalia, 11:45-52, 2004
- 04-255-J Adaptive significance of sibling egg cannibalism in Coccinellidae: Comparative evidence from three species J.P. Michaud, A.K. Grant
Annals of the Entomological Society of America, 97(4):710-719, 2004
- 04-266-J Population genetics and breeding structure of wood-feeding cockroaches of the genus *Cryptocercus* B.T. Aldrich, S. Kambhampati, E.S. Krafur
J. of Heredity, 96:572-575, 2005
- 04-303-J Relative susceptibility of *Tribolium confusum* (Jacquelin du Val) life stages to elevated temperatures D. Boina, B. Subramanyam
J. of Economic Entomology, 97:2168-2173, 2004
- 04-311-J Physical and genetic maps of greenbug resistance genes originated from *Aegilops tauschii* L.C. Zhu, C.M. Smith, A. Fritz, B.S. Gill
Theoretical and Applied Genetics, 111:831-837, 2005
- 04-325-J Comparative biology of three cereal aphids on TAM 107 wheat J.A. Qureshi, J.P. Michaud
Environmental Entomology, 34(1):27-36, 2005
- 04-330-S Field day 2004, Southwest Research-Extension Center R. Currie, J. Elliott, D. Bond, D. Nolan, M. Witt, A. Schlegel, L. Stone, T. Dumler, C. Thompson, R. Stockton, D. Leikam, B. Olson, R. Aiken, N. Klocke, P. Sloderbeck, L. Buschman, R. Higgins
KS Agric. Exp. Stn. Report of Progress 927, May 2004
- 04-336-J Changes in expression of heat shock proteins in *Tribolium castaneum* (Coleoptera: Tenebrionidae) in relation to developmental stage, exposure time, and temperature R. Mahroof, K.Y. Zhu, B. Subramanyam
Annals of the Entomological Society of America, 98(1):100-107, 2005
- 04-341-B The genus *Eretmocerus* G. Zolnerowich, M. Rose
In: Classical biological control of *Bemisia tabaci* in the United States - A review of interagency research and implementation, J. Gould, K. Hoelmer, J. Goolsby (Eds.). Springer, pp. 89-109, 2008
- 04-348-J Suitability of pollen sources for the development and reproduction of *Coleomegilla maculata* (Coleoptera: Coccinellidae) under simulated drought conditions J.P. Michaud, A.K. Grant
Biological Control, 32:363-370, 2005
- 04-366-J Hydroprene prolongs development time and increases mortality of eggs of Indianmeal moth (Lepidoptera: Pyralidae) S. Mohandass, F.H. Arthur, K.Y. Zhu, J.E. Throne
J. of Economic Entomology, 99:1007-1016, 2006

- 04-377-J Characterization of cDNAs encoding three trypsin-like proteinases and mRNA quantitative analysis in Bt-resistant and -susceptible strains of *Ostrinia nubilalis*
H. Li, B. Oppert, R.A. Higgins, F. Huang, L.L. Buschman, J.-R. Gao, K.Y. Zhu
Insect Biochemistry and Molecular Biology, 35:847-860, 2005
- 04-383-J Twospotted spider mite population level, distribution, and damage on ivy geranium in response to different nitrogen and phosphorus fertilization regimes
Y. Chen, G. Opit, V.M. Jones, K.A. Williams, J.R. Nechols, D.C. Margolies
J. of Economic Entomology, 100:1821-1830, 2007
- 04-395-J Molecular mapping of sorghum genes expressing tolerance to damage by the greenbug (Homoptera: Aphidae)
N. Nagaraj, J.C. Reese, M.R. Tuinstra, C.M. Smith, P. St. Amand, M.B. Kirkham, K.D. Kofoed, L.R. Campbell, G.E. Wilde
J. of Economic Entomology, 98(2):595-602, 2005
- 04-399-J Effect of *Beauveria bassiana* for red flour beetle when applied with plant essential oils or in mineral oil and organosilicone carriers
W. Akbar, J.C. Lord, J.R. Nechols, T.M. Loughin
J. of Economic Entomology, 98:683-688, 2005
- 04-401-J On the functional significance of juvenile hormone in the accessory sex glands of male *Heliothis virescens*.
M.A. Pszczolkowski, A. Tucker, A. Srinivasan, S.B. Ramaswamy
J. of Insect Physiology, 52:786-794, 2006
- 04-403-S K-State turfgrass research 2004
J. Fry, R. Bauernfeind, D. Bremer, J. Griffin, S. Keeley, L. Leuthold, R. Taylor, N. Tisserat, T. Warner, R. Wolf, K. Su, J. Ham, D. Stuntz, A. Zuk, T. McClellan, Q. Zhang, K. Lowe, N. Tisserat, L.R. Parsons, M. Fagerness
KS Agric. Exp. Stn. Report of Progress 929, June 2004
- 04-405-J Genetic characterization and molecular mapping of a Hessian fly resistance gene transferred from *T. turgidum* ssp. *dicoccum* to common wheat
X.M. Liu, G.L. Brown-Guedira, J.O. Owuoché, J.H. Hatchett, M.-S. Chen
Theoretical and Applied Genetics, 111:1308-1315, 2005
- 04-408-J A hemocyte-specific integrin required for hemocytic encapsulation in the tobacco hornworm, *Manduca sexta*
D. Levin, L.N. Breuer, S. Zhang, S.A. Anderson, J.B. Nardi, M.R. Kanost
Insect Biochemistry and Molecular Biology, 35:369-380, 2005
- 04-409-B Arthropods, filth, and other foreign objects in food: A review of analytical methods and health significance
J.R. Gorham, L. Zurek
In: Handbook of food science, Y.H. Hui (Ed.). New York: CRC Press, 2006
- 04-427-J Interspecific morphological variation in the wood-feeding cockroach, *Cryptocerus* (Dictyoptera:Cryptocercidae)
B.T. Aldrich, G. Zolnerowich, S. Kambhampati
Arthropod Structure and Development, 33:443-451, 2004
- 04-430-J *Eretmocerus hoelmeri* new species (Hymenoptera: Chalcidoidea: Aphelinidae) from *Aleuropleurocelus* sp. (Homoptera: Aleyrodidae: Aleyrodinae) on *Hymenoclea salsola* (Asterales: Asteraceae), in the California Imperial Valley
M. Rose, G. Zolnerowich
Pan-Pacific Entomologist, 82:275-282, 2006
- 04-444-J Detectability of coleopteran-specific Cry3Bb1 toxin in soil and its effect on nontarget surface and below ground arthropods
A. Ahmad, G.E. Wilde, K.Y. Zhu
Environmental Entomology, 34:385-394, 2005
- 04-445-J Evaluation of effects of coleopteran-specific Cry3Bb1 toxin on earthworms exposed to soil containing corn roots or biomass
A. Ahmad, G.E. Wilde, K.Y. Zhu
Environmental Entomology, 35:976-985, 2006

- 05-5-J Effect of coleopteran-specific Cry3Bb1 toxin for corn rootworm control on aboveground insect predators
A. Ahmad, G.E. Wilde, R.J. Whitworth, G. Zolnerowich
J. of Economic Entomology, 99:1085-1098, 2006
- 05-14-J Characterization of microsatellite loci in the house fly, *Musca domestica* L. (Diptera: Muscidae)
S. Chakrabarti, S. Kambhampati, T. Grace, L. Zurek
Molecular Ecology Notes, 4:728-730, 2004
- 05-16-J Effect of resistance to wheat streak mosaic virus on transmission efficiency of wheat curl mites.
T.L. Harvey, D.L. Seifers, T.J. Martin, J.P. Michaud
J. of Agricultural and Urban Entomology, 22(1):1-6, 2005
- 05-21-J Association of *Escherichia coli* O157:H7 with house flies on a cattle farm
M.J. Alam, L. Zurek
Applied and Environmental Microbiology, 70:7578-7580, 2004
- 05-22-J Interactions among three species of cereal aphids simultaneously infesting wheat.
J.A. Qureshi, J.P. Michaud
J. of Insect Science, 5(13)1-8, 2005
- 05-33-A Compensatory proteolytic responses to dietary proteinase inhibitors in the red flour beetle, *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae)
B. Oppert, T.D. Morgan, K. Hartzler, K.J. Kramer
Comparative Biochemistry and Physiology, 140C:53-58, 2005
- 05-34-J Cloning and characterization of chymotrypsin- and trypsin-like cDNAs from the gut of the Hessian fly [*Mayetiola destructor* (say)]
Y-C. Zhu, X. Liu, A. Maddur, B. Oppert, M.-S. Chen
Insect Biochemistry and Molecular Biology, 35:23-32, 2005
- 05-42-J Survival, horizontal distribution, and economics of releasing predatory mites (Acari: Phytoseiidae) using mechanical blowers
G.P. Opit, J.R. Nechols, D.C. Margolies, K.A. Williams
Biological Control, 33:344-351, 2005
- 05-44-J Microsatellite markers for two species of dampwood termites in the genus *Zootermopsis* (Isoptera: Termopsidae)
B.T. Aldrich, S. Kambhampati
Molecular Ecology Notes, 4:719-721, 2004
- 05-60-J Larval preference for a wheat cultivar in the army cutworm (Lepidoptera: Noctuidae)
J.P. Michaud, T.J. Martin, J.L. Jyoti
J. of the Kansas Entomological Society, 79(1):28-33, 2006
- 05-61-J Pharmacological analysis of ovarial patency in *Heliothis virescens*
M.A. Pszczolkowski, A. Peterson, A. Srinivasan, S.B. Ramaswamy
J. of Insect Physiology, 51(4):445-453, 2005
- 05-82-J Allelic relationships among Russian wheat aphid resistance genes
X.M. Liu, C.M. Smith, B.S. Gill
Crop Science, 45:2273-2280, 2005
- 05-83-J Ecological niche conservation and differentiation in the wood-feeding cockroaches, *Cryptocercus*, in the United States
S. Kambhampati, A.T. Peterson
Biological J. of the Linnean Society, 90:457-466, 2007
- 05-84-J Contribution to the taxonomy and faunistics of the genus *Meropleon* Dyar (Lepidoptera: Noctuidae)
J. Metlevski
Proceedings of the Entomological Society of Washington, 107:812-819, 2005
- 05-87-J Hessian fly resistance gene *H13* mapped to a distal cluster of R genes in chromosome 6DS of wheat
X.M. Liu, B.S. Gill, M.S. Chen
Theoretical and Applied Genetics, 111:243-249, 2005
- 05-98-A Inhibitor strategies to control coleopteran pests
B. Oppert, T.D. Morgan, K.J. Kramer
International Congress Series, Animals and Environments. Proceedings of the 3rd International Conference of Comparative Physiology and Biochemistry, S. Morris, A. Vosloo (Eds.).
Amsterdam, the Netherlands: Elsevier, 1275:149-156, 2004

- 05-101-J Comparative biology of a novel strain of Russian wheat aphid (Homoptera: Aphididae) on three wheat cultivars
J.L. Jyoti, J.P. Michaud
J. of Economic Entomology, 98(3):1032-1039, 2005
- 05-115-J Reproductive performance of *Tribolium castaneum* (Coleoptera: Tenebrionidae) exposed to the minimum heat treatment temperature as pupae and adults
R.M. Mahroof, B. Subramanyam, P.W. Flinn
J. of Economic Entomology, 98:626-633, 2005
- 05-116-J Hydroprene prolongs developmental time and increases mortality in wandering-phase Indianmeal moth (Lepidoptera: Pyralidae) larvae
S.M. Mohandass, F.H. Arthur, K.Y. Zhu, J.E. Throne
J. of Economic Entomology, 99:1509-1519, 2006
- 05-120-J Allatotropin-like peptide in *Heliothis virescens*: Tissue localization and quantification
A. Rachinsky, A. Mizoguchi, A. Srinivasan, S.B. Ramaswamy
Archives of Insect Biochemistry and Physiology, 62:11-25, 2006
- 05-121-J The window of risk for emigration of wheat streak mosaic virus varies with host eradication method
W. Jiang, K.A. Garrett, D.E. Peterson, T.L. Harvey, R.L. Bowden, L. Fang
Plant Disease, 88:853-858, 2005
- 05-134-J Biology and management of *Plodia interpunctella* (Lepidoptera: Pyralidae) in stored products
S.M. Mohandass, F.H. Arthur, K.Y. Zhu, J.E. Throne
J. of Stored Products Research, 43:302-311, 2007
- 05-138-J Adult dispersal of *Ostrinia nubilalis* Hubner (Lepidoptera: Crambidae) and its resistance management in Bt maize
J.A. Qureshi, L.L. Buschman, J.E. Throne, S.B. Ramaswamy
J. of Applied Entomology, 129(6):281-292, 2005
- 05-145-S 2004 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 932, Nov. 2004
- 05-146-J *H9*, *H10*, and *H11* compose a cluster of Hessian fly-resistance genes in the distal gene-rich region of wheat chromosome 1AS
X.M. Liu, A.K. Fritz, J.C. Reese, G.E. Wilde, B.S. Gill, M.-S. Chen
Theoretical and Applied Genetics, 110:1473-1480, 2005
- 05-147-J An overlay technique for postelectrophoretic analysis of proteinase spectra in complex mixtures using *p*-mitroanilide substrates
K.S. Vinokurov, B. Oppert, E.N. Elpidina
Analytical Biochemistry, 337:164-166, 2005
- 05-149-J Characterization of polymorphic microsatellite markers in the Indian meal moth, *Plodia interpunctella*
T. Grace, S. Kambhampati, B. Subramanyam
Molecular Ecology Notes, 5:321-322, 2004
- 05-152-J The molecular basis of plant gene expression during aphid invasion: Wheat *Pto*- and *Pti*-like sequences modulate aphid-wheat interactions
E.V. Boyko, C.M. Smith, T. Vankatappa, J. Bruno, Y. Deng, S.R. Starkey, D. Klaahsen
J. of Economic Entomology, 99:1430-1445, 2006
- 05-164-J Phylogenetic relationships and character evolution among selected species of *Bactrocera* (Diptera: Tephritidae) based on multiple mitochondrial genes
P.T. Smith, S. Kambhampati, K.A. Armstrong
Insect Systematics and Evolution, 36:343-359, 2005

- 05-165-J Expression patterns of three heat-shock protein 70 genes among developmental stages of the red flour beetle, *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae)
R. Mahroof, K.Y. Zhu, L. Neven, B. Subramanyam, J. Bai
Comparative Biochemistry and Physiology: Part A: Molecular and Integrative Physiology, 141A:247-256, 2005
- 05-166-S 2004 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 933, Dec. 2004
- 05-169-J On the assessment of prey suitability in aphidophagous Coccinellidae
J.P. Michaud
European J. of Entomology, 102:385-390, 2005
- 05-174-J Inheritance and molecular mapping of new greenbug resistance genes in wheat germplasm derived from *Aegilops tauschii*
L.C. Zhu, C.M. Smith, A. Fritz, E.V. Boyko, B.S. Gill
Theoretical and Applied Genetics, 111:831-837, 2005
- 05-175-J Association of a virus with wheat displaying yellow head disease symptoms in the Great Plains
D.L. Seifers, T.L. Harvey, T.J. Martin, S. Haber, Y.-M. She, W. Ens, K.G. Standing, R. Salomon, A. Gera
Plant Disease, 89:888-895, 2005
- 05-183-J Efficacy of early season miticide applications against spider mites and yield response in corn, 2003a
L.L. Buschman, P.E. Sloderbeck, R.S. Currie
Arthropod Management Tests, 30:F11, 2005
- 05-184-J Efficacy of early season miticide applications against spider mites and yield response in corn, 2003b
L.L. Buschman, P.E. Sloderbeck, R.S. Currie
Arthropod Management Tests, 30:F12, 2005
- 05-185-J Efficacy of post-tassel miticide applications against spider mites and yield response in corn, 2003c
L.L. Buschman, P.E. Sloderbeck, R.S. Currie
Arthropod Management Tests, 30:F13, 2005
- 05-186-J Efficacy of VIP & CRY1AB events in corn for the control of southwestern corn borer and corn earworm, 2003
L.L. Buschman, P.E. Sloderbeck, M.D. Witt
Arthropod Management Tests, 30:M1 2005
- 05-187-J Efficacy of VIP & CRY1AB events in corn for the control of southwestern corn borer and corn earworm, 2004
L.L. Buschman, P.E. Sloderbeck, M.D. Witt
Arthropod Management Tests, 30:M2, 2005
- 05-196-J Within-plant distribution of twospotted spider mites, *Tetranychus urticae* Koch (Acari: Tetranychidae), on impatiens: Development of a presence-absence sampling plan
F.J. Alatawi, G.P. Opit, D.C. Margolies, J.R. Nechols
J. of Economic Entomology, 98:1040-1047, 2005
- 05-211-J Apple pollen as a supplemental food for the western flower thrips, *Frankliniella occidentalis* (Thysanoptera: Thripidae): Response of individuals and populations
J. Zhi, G.K. Fitch, J.R. Nechols, D.C. Margolies
Entomologia Experimentalis et Applicata, 117:185-192, 2005
- 05-212-J Digestive proteinases of the larger black flour beetle, *Cynaesus angustus* (LeConte) (Coleoptera: Tenebrionidae)
B. Oppert, P. Walters, M. Zuercher
Bulletin of Entomological Research, 96:167-172, 2006
- 05-220-J The biology and behavior of the longhorned beetle, *Dectes texanus* on soybean and sunflower
J.P. Michaud, A.K. Grant
J. of Insect Science, 5(25):1-15, 2005
- 05-221-J A super-family of genes coding for secreted salivary gland proteins (SSGP) from the Hessian fly [*Mayetiola destructor* (Say)]
M-S. Chen, J.P. Fellers, Y.C. Zhu, J.J. Stuart, S. Hulbert, M. El-Bouhssini, X. Liu
J. of Insect Science, 6:article 12, 2006

- 05-223-J Pectinmethylesterase from the rice weevil, *Sitophilus oryzae*: cDNA isolation and sequencing, genetic origin, and expression of the recombinant enzyme
Z. Shen, K. Pappan, N.S. Mutti, Q.-J. He, M. Denton, Y. Zhang, M.R. Kanost, J.C. Reese, G.R. Reeck
J. of Insect Science, 5:article 21, 2005
- 05-226-J Phenoloxidase in larvae of *Plodia interpunctella* (Lepidoptera: Pyralidae): Molecular cloning of the proenzyme cDNA and enzyme activity in larvae paralyzed and parasitized by *Habrobracon hebetor* (Hymenoptera: Braconidae)
K.L. Hartzler, K.Y. Zhu, J.E. Baker
Archives of Insect Biochemistry and Physiology, 59:67-79, 2005
- 05-242-J Categories of resistance in wheat lines containing *Aegilops tauschii* genes to greenbug (Homoptera: Aphididae) biotype K
L.C. Zhu, C.M. Smith, J.C. Reese
J. of Economic Entomology, 98:2260-2265, 2005
- 05-262-J *Laccase 2* is the phenoloxidase gene required for beetle cuticle tanning
Y. Arkane, S. Muthukrishnan, R.W. Beeman, M.R. Kanost, K.J. Kramer
Proceedings of the National Academy of Sciences (USA), 102:11337-11342, 2005
- 05-267-J Comparative susceptibility of western corn rootworm (Coleoptera: Chrysomelidae) adults to selected insecticides in Kansas
K.Y. Zhu, G.E. Wilde, P.E. Sloderbeck, L.L. Buschman, R.A. Higgins, R.J. Whitworth, R.A. Bowling, S.R. Starkey, F. He
J. of Economic Entomology, 98(6):2181-2187, 2005
- 05-268-J Induction of reproductive diapause in *Hippodamia convergens* (Coleoptera: Coccinellidae) hinges on prey quality and availability
J.P. Michaud, J.A. Qureshi
European J. of Entomology, 102:483-487, 2005
- 05-271-J Phylogenetic analysis of the *Chaenusa sensu lato* (Hymenoptera: Braconidae) using mitochondrial NADH 1 dehydrogenase gene sequences
R.R. Kula, G. Zolnerowich, C.J. Ferguson
J. of Hymenoptera Research, 15:251-265, 2006
- 05-274-J Inactivated mariner-like elements (MLE) in pink bollworm, *Pectinophora gossypiella*
J. Wang, R. Staten, T. Miller, Y. Park
Insect Molecular Biology, 14(5):547-553, 2005
- 05-278-J Differential colonization of wheat cultivars by two biotypes of the Russian wheat aphid (Homoptera: Aphididae)
J.A. Qureshi, J.L. Jyoti, J.P. Michaud
Insect Science, 12:341-349, 2005
- 05-282-J Effect of metabotropic glutamate receptor agonists and signal transduction modulators on feeding by a caterpillar
M.A. Pszczolkowski, J.J. Brown, S.B. Ramaswamy
Pharmacology, Biochemistry, and Behavior, 82:678-685, 2006
- 05-288-J Outbreaks of itching bites in the midwestern USA caused by an introduced species of itch mite
A.B. Broce, L. Zurek, J.A. Kalisch, R. Brown, D.L. Keith, D. Gordon, J. Goedeke, C. Wellborne, J. Moser, R. Ochoa, E. Azziz-Baumgartner, F. Yip, J. Weber
J. of Medical Entomology, 43:610-613, 2006
- 05-290-J Winter feeding sites of hay in round bales as major developmental sites of stable flies, *Stomixys calcitrans* (Diptera: Muscidae) in pastures in spring-summer
A.B. Broce, J. Hogsette, S. Paisley
J. of Economic Entomology, 98:2307-2312
- 05-291-J Effect of temperature, exposure interval, and depth of diatomaceous earth on distribution, mortality, and reproduction of the lesser grain borer, *Rhyzopertha dominica* (F.) (Coleoptera: Bostrichidae) in stored wheat
E.A. Vardeman, F.H. Arthur, J.R. Nechols, J.F. Campbell
J. of Economic Entomology, 99:1017-1024, 2006
- 05-292-J Temperature sensitivity and efficacy of wheat streak mosaic virus resistance derived from CO960293 wheat
D.L. Seifers, T.J. Martin, T.L. Harvey, S. Haber, S.D. Haley
Plant Disease, 90(5):623-628, 2006

- 05-294-J Efficacy of surface applications with diatomaceous earth to control *Rhysopertha dominica* (F.) (Coleoptera: Bostrichidae) in stored wheat
E. Vardeman, F. Arthur, J. Nechols, J. Campbell
J. of Stored Products Research, 43:335-341, 2007
- 05-296-J Adult dispersal of *Ostrinia nubilalis* Hubner (Lepidoptera: Crambidae) and its implications for resistance management in Bt-maize
J.A. Qureshi, L.L. Buschman, J.E. Throne, S.B. Ramaswamy
J. of Applied Entomology, 129(6):281-292, 2005
- 05-298-J Behavior of female *Rhysopertha dominica* (Coleoptera: Bostrichidae) in a mono-layer of wheat treated with diatomaceous earth
E.A. Vardeman, J.F. Campbell, F.H. Arthur, J.R. Nechols
J. of Stored Products Research, 43:297-301, 2007
- 05-306-S K-State turfgrass research 2005
B. Bauernfeind, D. Bremer, J. Fry, J. Griffin, S. Keeley, L. Leuthold, R. Taylor, T. Warner, B. Wolf
KS Agric. Exp. Stn. Report of Progress 946, Aug. 2005
- 05-328-J Virulence of two Russian wheat aphid biotypes to eight wheat cultivars at two temperatures
J.L. Jyoti, J.A. Qureshi, J.P. Michaud, T.J. Martin
Crop Science, 46:774-780, 2006
- 05-333-J A novel function of the *Arabidopsis thaliana* *PAD4* gene in basal resistance to green peach aphid
V. Pegadaraju, C. Knepper, J. Reese, J. Shah
Plant Physiology, 139:1927-1934, 2005
- 06-2-J Role of bacteria in oviposition behavior and larval development of stable flies (Diptera: Muscidae)
A. Romero, A. Broce, L. Zurek
Medical and Veterinary Entomology, 20:115-121, 2006
- 06-12-J Overhead and drip tube irrigation affects twospotted spider mites (*Teranychus urticae*) and their biological control by the predatory mite *Phytosciulus persimilis* on *Impatiens wallerana*
G.P. Opit, G.K. Fitch, D.C. Margolies, J.R. Nechols, K.A. Williams
HortScience, 41:691-694, 2006
- 06-25-J Unique macrophage and tick cell-specific protein expression from the p28/p30-outer membrane protein multigene locus in *Ehrlichia chaffeensis* and *Ehrlichia canis*
V. Singu, L. Peddireddi, K.R. Sirigireddy, C. Cheng, U. Munderloh, R.R. Ganta
Cell Microbiology, 8(9):1475-1487, 2006
- 06-27-J Sublethal effects of three pesticides on larval survivorship, growth, and macromolecule productions in the aquatic midge, *Chironomus tentans* (Diptera: Chironomidae)
M. Rakotondravelo, T.D. Anderson, R.E. Charlton, K.Y. Zhu
Archives of Environmental Contamination and Toxicology, 51:352-359, 2006
- 06-31-J Hydroprene: Mode of action, current status in stored-product pest management, insect resistance, and future prospects
S.M. Mohandass, F.H. Arthur, K.Y. Zhu, J.E. Throne
Crop Protection, 25:902-909, 2006
- 06-44-A Effects of L- and D-aminophosphono acids on feeding in neonate codling moth *Cydia pomonella*
M.A. Pszczolkowski, S.B. Ramaswamy, C. Anelli, J.J. Brown
VI International Conference on Arthropod Physiology
Zakopane, Poland, 2005
- 06-47-J Efficacy of the entomopathogenic nematode *Steinernema riobrave* against the stored product insect pests *Tribolium castaneum* and *Plodia interpunctella*
O. Ramos-Rodriguez, J.F. Campbell, S. Ramaswamy
Biological Control, 40:15-21, 2007

- 06-48-A The road to identifying the juvenile hormone membrane receptor: Pharmacological studies in ovarian patency in *Heliothis virescens*
M.A. Pszczolkowski, E.E. Olson, A. Srinivasan, S.B. Ramaswamy
VI International Conference on Arthropod Physiology
Zakopane, Poland, 2005
- 06-53-J Sublethal effects of three pesticides on activities of selected target and detoxification enzymes in the aquatic midge, *Chironomus tentans* (Diptera: Chironomidae)
M.L. Rakotondravelo, T.D. Anderson, R.E. Charlton, K.Y. Zhu
Archives of Environmental Contamination and Toxicology, 51:360-366, 2006
- 06-70-J Resistance to biotype 2 Russian wheat aphid (Homoptera: Aphididae) in two wheat lines
J.A. Qureshi, J.P. Michaud, T.J. Martin
J. of Economic Entomology, 99(2):544-550, 2006
- 06-89-J *piggyBac*-like elements PLE in the tobacco budworm, *Heliothis virescens* (Fabricius)
J. Wang, X. Ren, T.A. Miller, Y. Park
Insect Molecular Biology, 15:435-443, 2006
- 06-92-J Isolation of *Enterobacter sakazakii* from stable flies, *Stomoxys calcitrans* L. (Diptera: Muscidae)
F. Mramba, A. Broce, L. Zurek
J. of Food Protection, 69:671-673, 2006
- 06-96-J Survey of sampling methods employed by Kansas crop consultants in scouting for adult western corn rootworms (Coleoptera: Chrysomelidae) in field corn
C.A. Daves, R.A. Higgins, P.E. Sloderbeck, G.E. Wilde, R.J. Whitworth, K.Y. Zhu, L.L. Buschman
American Entomologist, 53:8-11, 2007
- 06-104-J Biological control of the Indianmeal moth on finished stored products using egg and larval parasitoids
M.J. Grieshop, P.W. Flinn, J.R. Nechols
J. of Economic Entomology, 99:1080-1084, 2006
- 06-106-J Competition between western flower thrips and twospotted spider mites on ornamental plants
J. Zhi, D.C. Margolies, J.R. Nechols, J.E. Boyer, Jr.
Entomologia Experimentalis et Applicata, 21:59-66, 2006
- 06-107-J Development of multiple dominant markers by using vectorette PCR-based non-radioactive transposable element display
J. Wang, T.A. Miller, Y. Park
Molecular Ecology Notes, 6:642-645, 2006
- 06-108-S 2005 Kansas performance tests with corn hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gorgon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 949, Nov. 2005
- 06-114-J Cloning and characterization of cDNAs encoding carboxypeptidase-like proteins from the gut of Hessian fly [*Mayetiola destructor* (Say)] larvae
X. Liu, J.P. Fellers, Y. Zhu, N.S. Mutti, M. El-Bouhssini, M. Chen
Insect Biochemistry and Molecular Biology, 33:665-673, 2006
- 06-118-J Comparing chemical and biological control strategies for twospotted spider mites in mixed production of ivy geranium and impatiens
K.M. Holt, G. Opit, J. Nechols, D. Margolies, K. Williams
HortTechnology, 17:322-327, 2007
- 06-119-J Testing for non-target effects of spinosad on twospotted spider mites and their predator *Phytoseiulus persimilis* under greenhouse conditions
K. Holt, G. Opit, J. Nechols, D. Margolies
Experimental and Applied Acarology, 38:141-149, 2006
- 06-127-S 2005 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 950, Nov. 2005

- 06-147-J Diversity of digestive proteinases in *Tenebrio molitor* (Coleoptera: Tenebrionidae) larvae
K.S. Vinokurov, E.N. Elpidina, B. Oppert, S. Prabhakar, D.P. Zhuzhikov, Y.E. Dunaevsky, M.A. Belozersky
Comparative Biochemistry and Physiology, 145B:126-137, 2006
- 06-164-J West Nile virus in Kansas
K.R. Sirigireddy, G.A. Kennedy, A. Broce, L. Zurek, R.R. Ganta
Emerging Infectious Diseases, 6:351-360, 2006
- 06-168-J Outdoor flight activity and immigration of *Rhyzopertha dominica* into seed wheat warehouses
M.D. Toews, J.F. Campbell, F.H. Arthur, S.B. Ramawamy
Entomologia Experimentalis et Applicata, 121:73-85, 2006
- 06-171-J Ecology of antibiotic resistance genes: Characterization of enterococci from houseflies collected in food settings
L. Macovei, L. Zurek
Applied and Environmental Microbiology, 72:4028-4035, 2006
- 06-172-J Cloning and characterization of protease inhibitor-like cDNAs from the Hessian fly [*Mayetiola destructor* (Say)]
A.A. Maddur, X. Liu, Y.C. Zhu, J.P. Fellers, B. Oppert, Y. Park, J. Bai, G.E. Wilde, M. Chen
Insect Molecular Biology, 15(4):485-496, 2006
- 06-195-J Differences in Mexican field *Trichoplusia ni* (Hubner) strains exposed to *Bacillus thuringiensis*
P. Tamez-Guerra, G. Damas, M.M. Iracheta, B. Oppert, R. Gomez-Flores, C. Rodriguez-Padilla
J. of Economic Entomology, 99:937-945, 2006
- 06-203-J Identification of termite species and subspecies of the genus *Zootermopsis* using near-infrared reflectance spectroscopy
B.T. Aldrich, E. Maghirang, F. Dowell, S. Kambhampati
J. of Insect Science, 7:article 18, 2007
- 06-209-J Categories and inheritance of resistance in wheat cereal introduction 2401 to Russian wheat aphid (Homoptera: Aphididae) biotype 2
P. Voothuluru, L. Zhu, S. Starkey, C.M. Smith, G.E. Wilde, C.A. Baker
J. of Economic Entomology, 99:1854-1861, 2006
- 06-212-J Diatomaceous earth plus methoprene for control of the lesser grain borer, *Rhyzopertha dominica* (F.) (Coleoptera: Bostrichidae) in rough rice
Y. Chanbang, F. Arthur, G.E. Wilde
J. of Stored Products Research, 43:396-401, 2007
- 06-216-A Is downy brome (*Bromus tectorum* L.) a noxious weed or valued cover crop in irrigated corn?
R.S. Currie, N.L. Klocke, P.E. Sloderbeck, H.N. Davis, L.L. Buschman
Proceedings of the Western Society of Weed Science
Reno, NV, 2006, 58 pp.
- 06-228-J Reproductive diapause in *Hippodamia convergens* (Coleoptera: Coccinellidae) and its life history consequences
J.P. Michaud, J.A. Qureshi
Biological Control, 39:193-200, 2006
- 06-235-J Plant population and weeds influence stalk insects, soil moisture, and yield in rainfed sunflowers
J.A. Qureshi, P.W. Stahlman, J.P. Michaud
Insect Science, 14:425-435, 2007
- 06-238-J Aesthetic damage thresholds for twospotted spider mites (Acari: Tetranychidae) on impatiens: Effect of plant age and level of infestation
F.J. Alatawi, D.C. Margolies, J.R. Nechols
J. of Economic Entomology, 100:1904-1909, 2007
- 06-255-J Effects of shelf architecture and parasitoid release height on biological control of *Plodia interpunctella* (Lepidoptera: Pyralidae) eggs by *Trichogramma deion* (Hymenoptera: Trichogrammatidae)
M.J. Grieshop, P.W. Flinn, J.R. Nechols, J.F. Campbell
J. of Economic Entomology, 99:2202-2209, 2006

- 06-267-J Resource-dependent giving-up time of the predatory mite, *Phytoseiulus persimilis* P. Nachappa, D.C. Margolies, J.R. Nechols J. of Insect Behavior, 19:741-752, 2006
- 06-270-J Fractionation of digestive proteinases from *Tenebrio molitor* (Coleoptera: Tenebrionidae) larvae and role in protein digestion K.S. Vinokurov, E.N. Elpidina, B. Oppert, S. Prabhakar, D.P. Zhuzhikov, Y.E. Dunaevsky, M.A. Belozersky Comparative Biochemistry and Physiology, 145B:138-146, 2006
- 06-277-J Genes encoding a group of related small proteins from the gut of Hessian fly larvae [*Mayetiola destructor* (Say)] M.S. Chen, X. Liu, Y.C. Shu, J.C. Reese, G.E. Wilde Insect Science, 13:339-348, 2006
- 06-278-J Impact of the stem borer, *Dectes texanus*, on yield of the cultivated sunflower, *Helianthus annuus* J.P. Michaud, A.K. Grant, J.L. Jyoti J. of Insect Science, 7(21):1-14, 2007
- 06-282-J *H22*, a major resistance gene to the Hessian fly (*Mayetiola destructor*), is mapped to the distal region of wheat chromosome 1DS H.-X. Zhao, X. Liu, M.O. Harris, H.W. Ohm, M.-S. Chen Theoretical and Applied Genetics, 113(8):1491-1496, 2006
- 06-283-J Characterization of antibiosis and antixenosis in several soybean genotypes to the soybean aphid (Hemiptera: Aphididae) J. Diaz-Montano, J.C. Reese, W.T. Schapaugh, L.R. Campbell J. of Economic Entomology, 99:1884-1889, 2006
- 06-290-J Significance of bacteria in larval development of the secondary screwworm, *Cochliomyia macellaris* (F.) (Diptera: Calliphoridae) A. Ahmad, A. Broce, L. Zurek J. of Medical Entomology, 43:1129-1133, 2006
- 06-291-J Evaluation of oviposition deterrence in the management of resistance to transgenic corn by European corn borer (Lepidoptera: Crambidae) D.W. Onstad, L.L. Buschman J. of Economic Entomology, 99(6):2100-2109, 2006
- 06-292-J Efficacy of diatomaceous earth to control *Rhyzopertha dominica* (F.) (Coleoptera: Bostrichidae) in rough rice: Impacts of temperature and relative humidity Y. Chanbang, F. Arthur, G.E. Wilde, J.E. Throne Crop Protection, 26:923-929, 2007
- 06-299-J Sequence analysis and molecular characterization of larval midgut cDNA transcripts encoding peptidases from the yellow mealworm, *Tenebrio molitor* L. S. Prabhakar, M.-S. Chen, E.N. Elpidina, K.S. Vinokurov, C.M. Smith, B. Oppert Insect Molecular Biology, 16:455-468, 2007
- 06-303-J Responses of the entomopathogenic nematode, *Steinernema riobrave* to its insect hosts, *Galleria mellonella* and *Tenebrio molitor* J.M. Christen, J.F. Campbell, E.E. Lewis, D.I. Shapiro-Ilan, S.B. Ramaswamy Parasitology, 134:889-898, 2007
- 06-304-J RNAi knockdown of a salivary transcript leading to lethality in the pea aphid, *Acyrtosiphon pisum* N.S. Mutti, Y. Park, J.C. Reese, G.R. Reeck J. of Insect Science, 6:article 38, 2006
- 06-307-J Characterization of a chitin synthase cDNA and its increased mRNA level associated with decreased chitin synthesis in common malaria mosquito (*Anopheles quadrimaculatus*) exposed to diflubenzuron J. Zhang, K.Y. Zhu Insect Biochemistry and Molecular Biology, 36:712-725, 2006
- 06-318-J Positive correlation of fitness with group size in two biotypes of Russian wheat aphid (Homoptera: Aphididae) J.P. Michaud, J.L. Jyoti, J.A. Qureshi J. of Economic Entomology, 99(4):1214-1224, 2006
- 06-337-S K-State turfgrass research 2006 D. Bremer, K. Su, S. Keeley, J. Fry, R. Jeannotte, R. Welti, M. Engelke, D. Genovesi, C. Rajashekar, H. Lee, L.R. Parsons, Q. Zhang KS Agric. Exp. Stn. Report of Progress 962, Aug. 2006

- 06-338-J Analysis of midgut proteinases from *Bacillus thuringiensis*-susceptible and -resistant *Heliothis virescens* (Lepidoptera: Noctuidae)
L. Karumbaiah, B. Oppert, J.L. Jurat-Fuentes, M.J. Adang
Comparative Biochemistry and Physiology, 146B:139-146, 2007
- 06-339-J Evaluation of the anti-terminator *Q933* gene as a marker for *Escherichia coli* O157:H7 with high shiga toxin production
A. Ahmad, L. Zurek
Current Microbiology, 53:324-328, 2006
- 06-342-J Phloem-based resistance to green peach aphid is controlled by Arabidopsis *PHYTOALEXIN DEFICIENT4* without its signaling partner *ENHANCED DISEASE SUSCEPTIBILITY1*
V. Pegadaraju, J. Louis, V. Singh, J.C. Reese, J. Bantor, B.J. Feys, G. Cook, J. Parker, J. Shah
The Plant J., 52:332-341, 2007
- 06-345-J *Phytoseiulus persimilis* response to herbivore-induced plant volatiles as a function of mite days
P. Nachappa, D.C. Margolies, J.R. Nechols, T. Loughin
Experimental and Applied Acarology, 40:231-239, 2007
- 06-349-J Transmission of *Escherichia coli* O157:H7 to cattle by house flies
A. Ahmad, T.G. Nagaraja, L. Zurek
Preventive Veterinary Medicine, 80:74-81, 2007
- 06-350-J Responses of mosquitoes and German cockroaches to ultrasound emitted from a random ultrasonic generating device
A. Ahmad, B. Subramanyam, L. Zurek
Entomologica Experimentalis and Applicata, 123:25-33, 2007
- 06-351-J Attraction behavior of three entomopathogenic nematode species towards infected and uninfected hosts
O. Ramos-Rodriguez, J.F. Campbell, J.S. Christen, D.I. Shapiro-Ilan, E.E. Lewis, S. Ramaswamy
Parasitology, 134:729-738, 2007
- 06-352-J Dynamics of carbon dioxide release from insects infected with entomopathogenic nematodes
O. Ramos-Rodriguez, J.F. Campbell, D.I. Shapiro-Ilan, E.E. Lewis, S. Ramaswamy
J. of Invertebrate Pathology, 94:64-69, 2007
- 06-358-J Host-foraging success of three species of *Trichogramma* (Hymenoptera: Trichogrammatidae) in a simulated retail environment
M. Grieshop, P. Flinn, J. Nechols, M. Scholler
J. of Economic Entomology, 100:591-598, 2007
- 07-1-J Chlorophyll losses caused by soybean aphid (Hemiptera: Aphididae) feeding on soybeans
J. Diaz-Montano, J.C. Reese, W.T. Schapaugh, L.R. Campbell
J. of Economic Entomology, 100:1657-1662, 2007
- 07-12-J Seasonal prevalence of *Escherichia coli* O157:H7 in beef cattle feces
M.J. Alam, L. Zurek
J. of Food Protection, 69:3018-3020, 2006
- 07-13-J Methodology for assessing rice varieties for resistance to the lesser grain borer, *Rhyzopertha dominica*
Y. Chanbang, F.H. Arthur, G.E. Wilde, J.E. Throne, B. Subramanyam
J. of Insect Science, 8:article 16, 2008
- 07-21-A Spatial distribution and movement patterns of stored-product insects
J.F. Campbell, G.P. Ching'oma, M.D. Toews, S. Ramaswamy
Proceedings of the 9th International Working Conference on Stored Product Protection, P. Abrapos (Ed.). Campinas, Sao Paulo, Brazil, 2006, pp. 361-370
- 07-29-J Feeding behavior of the soybean aphid (Hemiptera: Aphididae) on resistant and susceptible soybean genotypes
J. Diaz-Montano, J.C. Reese, J. Louis, L.R. Campbell, W.T. Schapaugh
J. of Economic Entomology, 100:984-989, 2007

- 07-34-S Field day 2006, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, M. Alam, N. Klocke, R. Aiken, R. Currie, G. Clark, D.H. Rogers, K. Shaw, P. Rickabaugh, G. Gold, L. Buschman, P. Sloderbeck, H. Davis
KS Agric. Exp. Stn. Report of Progress 961, Aug. 2006
- 07-44-J Repellency of conspecific and heterospecific larval residues to *Hippodamia convergens* (Coleoptera: Coccinellidae) ovipositing on sorghum plants
J.P. Michaud, J.L. Jyoti
European J. of Entomology, 104:399-405, 2007
- 07-71-J Whole genome amplification of Chelex-extracted DNA from a single mite: A method for studying genetics of the predatory mite *Phytoseiulus persimilis*
B. Konakandla, Y. Park, D.C. Margolies
Experimental and Applied Acarology, 40:241-247, 2006
- 07-81-J Gene expression of different wheat genotypes during attack by virulent and avirulent Hessian fly (*Mayetiola destructor*) larvae
X. Liu, J. Bai, L. Zhu, X. Liu, N. Weng, J.C. Reese, M. Harris, J.J. Stuart, M.-S. Chen
J. of Chemical Ecology, 33:2171-2194, 2007
- 07-100-S 2006 Kansas performance tests with grain sorghum hybrids
J. Lingenfelser, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 969, Nov. 2006
- 07-101-J Temperature-sensitive wheat streak mosaic virus resistance identified in KS03HW12 wheat
D.L. Seifers, T.J. Martin, S. Haber
Plant Disease, 91(8):1029-1033, 2007
- 07-106-S 2006 Kansas performance tests with corn hybrids
J. Lingenfelser, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 968, Dec. 2006
- 07-108-J Gene expression profiling reveals decreased expression of two hemoglobin genes associated with increased consumption of oxygen in *Chironomus tentans* exposed to atrazine: A possible mechanism for adapting to oxygen deficiency
T.D. Anderson, Y. Jin-Clark, K. Begum, S.R. Starkey, K.Y. Zhu
Aquatic Toxicology, 86:148-156, 2008
- 07-115-J How Kansas crop consultants scout for western corn rootworms (Coleoptera: Chrysomelidae) in field corn
T.E. Hunt, L.L. Buschman, P.E. Sloderbeck
American Entomologist, 53:86-93, 2007
- 07-127-J Sunflowers as a trap crop for reducing soybean losses to the stalk borer *Dectes texanus* (Coleoptera: Cerambycidae)
J.P. Michaud, J.A. Qureshi, A.K. Grant
Pest Management Science, 63:903-909, 2007
- 07-148-J Arcelins from an Indian wild bean, *Lablab purpureus*, and insecticidal activity in storage pests
S. Janarthanan, P. Suresh, G. Radke, T.D. Morgan, B. Oppert
J. of Agricultural and Food Chemistry, 56:1676-1682, 2008
- 07-153-J Management of plant-feeding mites in interior plantscapes
R.A. Cloyd
Pest Technology, 1(1):27-32, 2007
- 07-160-J Revision of the new world *Chaenusia* Haliday
R.R. Kula, G. Zolnerowich
Proceedings of the Entomological Society of Washington, 110:1-60, 2008
- 07-163-J Hessian fly attack causes dramatic shift in carbon/nitrogen metabolism in wheat
L. Zhu, X. Liu, R. Jeannotte, J.C. Reese, M. Harris, J.J. Stuart, M.S. Chen
Molecular Plant-Microbe Interactions, 21:70-78, 2008

- 07-186-J Vector competence of stable flies, *Stomoxys calcitrans* L. (Diptera: Muscidae) for *Enterobacter sakazakii*
F. Mramba, A.B. Broce, L. Zurek
J. of Vector Ecology, 32:134-139, 2007
- 07-198-J Diversity and antibiotic resistance of enterococci associated with stored-product insects collected from feed mills
Z. Larson, B. Subramanyam, L. Zurek, T. Herrman
J. of Stored Product Research, 44:198-203, 2008
- 07-203-J Hull characteristics as related to susceptibility of different varieties of rough rice to *Rhizopertha dominica* (F.), the lesser grain borer
Y. Chanbang, F.H. Arthur, G.E. Wilde, J.E. Throne
J. of Stored Products Research, 44:205-212, 2008
- 07-229-J Genomics, transcriptomics, peptidomics, and evolution of neuropeptides and protein hormones in the red flour beetle *Tribolium castaneum*
B. Li, R. Predel, S. Newpert, F. Hauser, Y. Tanak, P. Verleyen, G. Cazzamali, M. Williamson, Y. Park
Genome Research, 18:113-122, 2008
- 07-230-J Analysis of transcripts and proteins expressed in the salivary glands of Hessian fly (*Mayetiola destructor*) larvae
M.S. Chen, H.X. Zhao, Y. Shu, B. Schaffer, X.M. Liu, X. Liu, S. Hulbert, J.J. Stuart
J. of Insect Physiology, 54:1-16, 2008
- 07-235-J Influx of enterococci and associated antibiotic resistance and virulence genes from ready-to-eat food
L. Macovei, L. Zurek
Applied and Environmental Microbiology, 73:6740-6747, 2007
- 07-240-J Analysis of transcriptome data in the red flour beetle, *Tribolium castaneum*
Y. Park, J. Aikins, L.J. Wang, R.W. Beeman, B. Oppert, J.C. Lord, S.J. Brown, M.D. Lorenzen, S. Richards, G. Weinstock, R. Gibbs
Insect Biochemistry and Molecular Biology, 38:380-386, 2008
- 07-242-J Rapid evolution of spermathecal duct length in the *Allonemobius socius* complex of crickets: Species, population and *Wolbachia* effects
J.M. Marshall
PLoS One, 2(8):e720, 2007
- 07-246-J Host size and oviposition site effects on the sex ratio of the pupal parasitoid *Muscidifurax zaraptor* (Hymenoptera: Pteromalidae)
T. McKay, A. Broce
Annals of the Entomological Society of America, 101:650-655, 2008
- 07-252-J Resistance to *Bacillus thuriensis* Cry1Ab in *Ostrinia nubilalis* is ineffective against transgenic corn
H. Li, L.L. Buschman, F. Huang, K.Y. Zhu, B. Bonning, B. Oppert
J. of Economic Entomology, 100:1862-1870, 2007
- 07-263-J Population structure and colony composition of two *zootermopsis nevadensis* subspecies
B.T. Aldrich, S. Kambhampati
Heredity, 99:439-451, 2007
- 07-311-J Dietary complementation across life stages in the polyphagous lady beetle *Coleomegilla maculata*
J.P. Michaud, J.L. Jyoti
Entomologia Experimentalis et Applicata, 126:40-45, 2007
- 08-2-J Effect of alachlor and metolachlor on toxicity of chlorpyrifos and major detoxification enzymes in the aquatic midge, *Chironomus tentans* (Diptera: Chironomidae)
Y. Jin-Clark, T.D. Anderson, K.Y. Zhu
Archives of Environmental Contamination and Toxicology, 54:645-652, 2008
- 08-11-S 2007 Kansas performance tests with winter wheat varieties
J. Lingenfelter, K. Roozeboom, A. Fritz, E. De Wolf, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, M. Spangler, A. Schlegel, R. Chen, L. McLaughlin, R. Miller, B. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 982, Aug. 2007

- 08-14-S Field day 2007, Southwest Research-Extension Center
J. Elliot, A. Schlegel, L. Stone, H.D. Bond, M. Alam, C. Thompson, T. Dumler, J. Holman, S. Maxwell, G. Miller, M. Spangler, N. Klocke, D. Tomsicek, R. Currie, M. Brouk, R. Aiken, J. Peterson, D.H. Rogers, G.A. Clark, K. Shaw, D. Peterson, J. Lee, B. Fast, D. Murray, L. Buschman, T. taka Niide, W. Schapaugh, W.B. Gorden, H. Davis, P. Sloderbeck
KS Agric. Exp. Stn. Report of Progress 980, Apr. 2007
- 08-23-J Comparative studies on effects of three chitin synthesis inhibitors on common malaria mosquito (*Anopheles quadrimaculatus*)
K.Y. Zhu, S. Heise, J. Zhang, T.D. Anderson, S.R. Starkey
J. of Medical Entomology, 44:1047-1053, 2007
- 08-39-J Localization of two post-proline cleaving peptidases in the midgut of *Tenebrio molitor* larvae
I.A. Goptar, I.Y. Filippova, E.N. Lysogorskaya, E.S. Oksenoit, K.S. Vinokurov, D.P. Zhuzhikov, N.V. Bulushova, I.A. Zalunin, Y.E. Dunevsky, M.A. Belozersky, B. Oppert, E.N. Elpidina
Biochimie, 90:508-514, 2008
- 08-43-J Postgenomics of *Tribolium*: Targeting the endocrine regulation of diuresis
Y. Park, R.W. Beeman
Entomological Research, 38:93-100, 2008
- 08-46-J The first genome sequence of a beetle, *Tribolium castaneum*, a model for insect development and pest biology
R.W. Beeman, B. Oppert, S. Brown, Y. Park
Nature, 452:949-955, 2008
- 08-47-J The maternal-effect, selfish genetic element *Medea* in *Tribolium* is a *Tc1* transposon
M.D. Lorenzen, A. Gnirke, J. Margolis, M. Campbell, J.J. Stuart, S. Richards, Y. Park, Richard W. Beeman
Proceedings of the National Academy of Sciences (USA), 105:10085-10089, 2008
- 08-57-A *Aea*-TMOF action on egg maturation in *Heliothis virescens*: A preliminary study
M.A. Pszczolkowski, C. Rhine, S.B. Ramaswamy, D. Borovsky
Proceedings of the VII International Conference on Arthropods
Białka Tatrzańska, Poland, 2007
- 08-69-J The dynamics of sexual conflict over mating rate with endosymbiont infection that affects reproductive phenotypes
T.I. Hayashi, J.L. Marshall, S. Gavrilets
J. of Evolutionary Biology, 20:2154-2164, 2007
- 08-70-J Triticum mosaic virus: A new virus isolated from wheat in Kansas
D.L. Seifers, T.J. Martin, T.L. Harvey, J.P. Fellers, J.P. Stack, M. Ryba-White, S. Haber, O. Krokhin, V. Spicer, N. Lovat, A. Yamchuk, K.G. Standing
Plant Disease, 92(5):808-817, 2008
- 08-78-J The potential of house flies to contaminate ready-to-eat food with antibiotic resistant enterococci
L. Macovei, B. Miles, L. Zurek
J. of Food Protection, 71:432-439, 2008
- 08-99-J Ecology and epidemiology in R: Introduction to spatial analysis
A.H. Sparks, P.D. Esker, G. Antony, L. Campbell, E.E. Frank, L. Huebel, M. Rouse, B. Van Allen, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-01
- 08-100-J Ecology and epidemiology in R: Disease forecasting
P.D. Esker, A.H. Sparks, L. Campbell, Z. Guo, M. Rouse, S.D. Silwal, S. Tolos, B. Van Allen, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-03
- 08-120-S 2007 Kansas performance tests with corn hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 983, Oct. 2007

- 08-148-S 2007 Kansas performance tests with grain sorghum hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, P. Vadhani, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 986, Dec. 2007
- 08-163-J *Tubulin* superfamily genes in *Tribolium castaneum*, and use of a *Tubulin* promoter to drive transgene expression
K.S. Siebert, M.D. Lorenzen, S.J. Brown, Y. Park, R.W. Beeman
Insect Biochemistry and Molecular Biology, 38:749-755, 2008
- 08-173-J Inducible direct plant defense against insect herbivores - A review
M-S. Chen
Insect Science, 15:101-114, 2008
- 08-186-J Role of symbiotic and non-symbiotic bacteria in carbon dioxide production from hosts infected with *Steinernema riobrave*
J.M. Christen, J.F. Campbell, L. Zurek, D.I. Shapiro-Ilan, E.E. Lewis, S.B. Ramaswamy
J. of Invertebrate Pathology, 99:35-42, 2008
- 08-211-J Antibiotic resistance of enterococci in American bison (*Bison bison*) from a nature preserve compared to that of enterococci in pastured cattle
J.F. Anderson, T.D. Parrish, M. Akhtar, L. Zurek, H. Hirt
Applied and Environmental Microbiology, 74:1726-1730, 2008
- 08-215-J Vasopressin-like peptide and its receptor function in an indirect diuretic signaling pathway in red flour beetle
M.J. Aikins, D. Schooley, K. Begum, M. Detheux, R.W. Beeman, Y. Park
Insect Biochemistry, 38:740-748, 2008
- 08-238-J Resistance to *Bacillus thuringiensis* endotoxins in the European corn borer (*Ostrinia nubilalis*)
L. Huarong, L.L. Buschman, K.Y. Zhu, F. Huang, B. Oppert
Biopesticides International, 3:96-107, 2007
- 08-266-J Characterization of the multicopper oxidase gene family in *Anopheles gambiae*
M.J. Gorman, N.T. Dittmer, J.L. Marshall, M.R. Kanost
Insect Biochemistry and Molecular Biology, 38:817-824, 2008
- 08-283-J Susceptibility of eggs and adult fecundity of the lesser grain borer, *Rhyzopertha dominica*, exposed to methoprene
Y. Chanbang, F.H. Arthur, G.E. Wilde, J.E. Throne, B. Subramanyam
J. of Insect Science, 8:article 48, 2008
- 08-288-S Field day 2008, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, C. Thompson, T. Dumler, L. Haag, L. Stone, M. Alam, N. Klocke, R. Currie, M. Brouk, J. Lee, P. Westra, J. Fenderson, J. Tichota, J. Mueller, J. Holman, T. Gillum, M. Deewall, A. Burns, H. Davis, L. Buschman, P. Sloderbeck, A. Joshi, T. Niide, W.B. Gordon, C. Khajuria, M. Stamm, G. Miller, S. Maxwell, R. Hale, T. Herrman, L. Murray, K. Roozeboom, D. Yauk
KS Agric. Exp. Stn. Report of Progress 997, Apr. 2008
- 08-325-J A novel protein from the salivary glands of the pea aphid, *Acyrtosiphon pisum*, is essential in feeding on a host plant
N.S. Mutti, J. Louis, L.K. Pappan, K. Pappan, K. Begum, M.S. Chen, Y. Park, N. Dittmer, J. Marshall, J.C. Reese, G.R. Reeck
Proceedings of the National Academy of Sciences (USA), 105:965-9969, 2008
- 08-352-S K-State turfgrass research 2008
D. Bremer, S. Keeley, J. Fry, J. Lewis, D. Okeyo, M. Engelke, D. Genovesi, T. Goldsby, R. St. John, J. Deusterhaus, J. Ham, M. Kennelly, B. Gonzalez, L.R. Parsons, R. Dremsa
KS Agric. Exp. Stn. Report of Progress 998, July 2008
- Family Studies**
- 05-51-J Dysphagia management: Current practices involving thickened liquids
J.M. Garcia, E. Chambers, IV, M. Molander
American J. of Speech-Language Pathology, 14:4-13, 2005

- 05-53-J Viscosity measurements of nectar and honey-thick liquids
J.M. Garcia, E. Chambers, IV, M. McElroy, Z. Matta
Dysphagia, 20:325-335, 2005
- 05-317-J Sensory characteristics of beverages prepared with commercial thickeners for dysphagia diets
Z. Matta, E. Chambers, IV, J.M. Garcia, J. McGowan
J. of the American Dietetic Association, 106:1049-1054, 2006
- 08-10-J KNACK online: An evidence-based website developed to address adolescent obesity
T. Kidd, E. Johannes, L. Simonson, D. Medeiros
J. of Nutrition Education and Behavior, 40:189-190, 2008

Food Animal Health and Management Center

- 00-413-J *Escherichia coli* O157:H7 in free-ranging deer in Nebraska
D.G. Renter, J.M. Sargeant, S.E. Hygnstorm, J.D. Hoffman, J.R. Gillespie
J. of Wildlife Diseases, 37(4):755-760, 2001
- 00-476-J An evaluation of differences in mean body surface temperature with infrared thermography in growing pigs fed different dietary energy intake and concentration
J.A. Loughmiller, M.F. Spire, M.D. Tokach, S.S. Dritz, J.L. Nelssen, R.D. Goodband, S.B. Hogge
J. of Applied Animal Research, 28:73-80, 2005
- 01-262-J Evaluation of 5 nuclease-based detection assays to detect *Escherichia coli* O157:H7 from food products
L.K. Bohra, R.D. Oberst, R.K. Phebus, M.P. Hays, R.L. Green
J. of Rapid Methods and Automation in Microbiology, 9:143-160, 2001
- 02-2-J Effects of increasing dietary niacin on weanling pig growth performance
D.E. Real, J.L. Nelssen, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.M. DeRouchey, B.W. James, E. Alonso
The Professional Animal Scientist, 20:353, 2004

- 02-11-J Effects of increasing dietary L-carnitine on growth performance of weaning pigs
D.E. Real, M.U. Steidinger, J.L. Nelssen, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.M. DeRouchey, K.Q. Owen
J. of Animal Science, 81:2259-2269, 2003
- 02-171-J Effects of increasing dietary niacin on growth performance and meat quality in finishing pigs reared in two different environments
D.E. Real, J.L. Nelssen, J.A. Unruh, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.M. DeRouchey, E. Alonso
J. of Animal Science, 80:3203, 2002
- 02-206-J Additive effects of added L-carnitine and chromium picolinate on sow reproductive performance
D.E. Real, J.L. Nelssen, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.C. Woodworth, K.Q. Owen
Livestock Science, 116:63-69, 2008
- 02-358-J Interactive effects between ractopamine hydrochloride and dietary lysine on finishing pig growth performance, carcass characteristics, pork quality, and tissue accretion
M.J. Webster, R.D. Goodband, M.D. Tokach, J.L. Nelssen, S.S. Dritz, J.A. Unruh, D.E. Real, J.M. DeRouchey, J.C. Woodworth, T.A. Marsteller
The Professional Animal Scientist, 23:597-611, 2007
- 02-417-J Diversity, frequency, and persistence of *Escherichia coli* O157 strains from range cattle environments
D.G. Renter, J.M. Sargeant, R.D. Oberst, M. Samadpour
Applied and Environmental Microbiology, 69:542-547, 2003
- 02-482-J Effects of high feed intake during early gestation on sow performance and offspring growth and carcass characteristics
R.E. Musser, D.L. Davis, M.D. Tokach, J.L. Nelssen, S.S. Dritz, R.D. Goodband
Animal Feed Science and Technology, 127:187-199, 2006

- 02-483-J Additional L-carnitine in the gestating sow diet alters muscle development and improves carcass characteristics of the offspring
R.E. Musser, S.S. Dritz, D.L. Davis, M.D. Tokach, J.L. Nelssen, R.D. Goodband, K.Q. Owen
J. of Applied Animal Research, 31:105-111, 2007
- 02-485-J Conceptus and maternal responses to increased feed intake during early gestation in pigs
R.E. Musser, D.L. Davis, S.S. Dritz, M.D. Tokach, J.L. Nelssen, J.E. Minton, R.D. Goodband
J. of Animal Science, 82:3154-3161, 2004
- 03-64-J Detection of *E. coli* O157:H7 in cattle feces using a PCR-based fluorogenic 5' nuclease (TaqMan) detection assay after secondary enrichment
R.D. Oberst, M.P. Hays, L.K. Bohra, R.K. Phebus, R. Green, J.M. Sargeant, K. Mena, J.R. Gillespie
J. of Veterinary Diagnostic Investigation, 15:543-552, 2003
- 03-169-J Influence of dietary L-carnitine and (or) chromium picolinate on blood hormones and metabolites of gestating sows fed one meal per day
J.C. Woodworth, M.D. Tokach, J.L. Nelssen, R.D. Goodband, S.S. Dritz, S.I. Koo, J.E. Minton, K.Q. Owen
J. of Animal Science, 85:2524-2537, 2007
- 03-217-J Comparison of three methods of feeding sows in gestation, and the subsequent effects on lactation performance
M.G. Young, M.D. Tokach, F.X. Ahern, R.G. Main, S.S. Dritz, R.D. Goodband, J.L. Nelssen
J. of Animal Science, 82:3058-3069, 2004
- 03-228-J Effect of forage or grain diets with or without monensin on ruminal persistence and fecal *Escherichia coli* O157:H7 in cattle
M.J. Van Baale, J.M. Sargeant, D.P. Gnad, B.M. DeBey, K.F. Lechtenberg, T.G. Nagaraja
Applied and Environmental Microbiology, 70(9):5336-5342, 2004
- 03-277-J Effects of soybean meal source and level on growth performance of nursery pigs
K.R. Lawrence, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.M. DeRouchey, C.W. Hastad
The Professional Animal Scientist, 20:237-243, 2004
- 03-341-J Dietary L-carnitine increases plasma leptin concentrations of gestating sows fed one meal per day
J.C. Woodworth, J.E. Minton, M.D. Tokach, J.L. Nelssen, R.D. Goodband, S.S. Dritz, S.I. Koo, K.Q. Owen
Domestic Animal Endocrinology, 26(1):1-9, 2004
- 03-342-J Comparison of wheat gluten and spray-dried animal plasma in diets for nursery pigs
K.R. Lawrence, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.M. DeRouchey, S.M. Hanni, M.R. Barker
J. of Animal Science, 82:3635-3645, 2004
- 03-412-J Increasing weaning age improves pig performance in a multi-site production system
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
J. of Animal Science, 82:1499-1508, 2004
- 04-042-J Effects of weaning age on growing-pig costs and revenue in a multi-site production system
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
J. of Swine Health and Production, 13:189-197, 2005
- 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
- 04-044-J Effects of weaning age on post-weaning belly nosing behavior and umbilical lesions in a multi-site production system
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
J. of Swine Health and Production, 13:259-264, 2005

- 04-066-J Effect of antibiotics in milk replacer on fecal shedding of *Escherichia coli* O157:H7 in calves
W. Alali, J. Sargeant, T.G. Nagaraja, B. DeBey
J. of Animal Science, 82:2148-2152, 2004
- 04-129-S Dairy day 2003
J.S. Stevenson, J.D. Olson, M.J. Brouk, J.F. Smith, J.P. Harner, A.K. Hammond, W.F. Miller, A.F. Park, B.M. Rosario, L. McVay, F. Aramouni, K.A. Schmidt, E.L. Burkitt, J.E. Shirley, M.V. Scheffel, E.C. Titgemeyer, J.R. Roberson, M.V. Burgos, M.A. Portaluppi
KS Agric. Exp. Stn. Report of Progress 919, Nov. 2003
- 04-130-S Swine day 2003
R.D. Goodband, A.T. Waylan, B.J. Johnson, J.P. Kayser, D.P. Gnad, J.D. Dunn, E.K. Sissom, J.J. Higgins, J.C. Woodworth, M.G. Young, M.D. Tokach, J. Noblet, F.X. Aherne, S.S. Dritz, J.L. Nelssen, J. van Milgen, R.G. Main, E.C. Baudon, J.D. Hancock, J.M. DeRouchey, J.L. Usry, M.U. Steidinger, N.A. Lenehan, C.W. Hastad, M.R. Barker, N.Z. Frantz, C.N. Groesbeck, B.W. James, T.P. Keegan, K.R. Lawrence, N. Llanes, T. Iwasawa, C.W. Hasted, C.L. Jones, C.W. Starkey, J.C. Nietfeld, J.E. Minton, K.M. Bond, D.J. Lee, T.E. Burkey, S.M. Hanni, J.W. Homm, J.A. Unruh, R.C. Johnson
KS Agric. Exp. Stn. Report of Progress 920, Nov. 2003
- 04-178-J Factors associated with the presence of *Escherichia coli* O157 in feedlot-cattle water and feed in the Midwestern USA
J.M. Sargeant, M.W. Sanderson, D.D. Griffin, R.A. Smith
Preventive Veterinary Medicine, 66:207-237, 2004
- 04-184-J Influence of Carnichrome on the energy balance of gestating sows
M.G. Young, M.D. Tokach, J. Noblet, F.X. Aherne, S.S. Dritz, R.D. Goodband, J.L. Nelssen, J. van Milgen, J.C. Woodworth
J. of Animal Science, 82:2013-2022, 2004
- 04-186-J Effects of increasing lysine:calorie ratio and dietary fat addition for growing finishing pigs reared in a commercial environment: II. Modeling lysine:calorie ratio requirements using protein and lipid accretion curves
M. De La Llata, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
The Professional Animal Scientist, 23:429-437, 2007
- 04-187-J Effects of increasing lysine:calorie ratio and dietary fat addition for growing finishing pigs reared in a commercial environment: I. Growth performance and carcass characteristics
M. De La Llata, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen
The Professional Animal Scientist, 23:417-428
- 04-188-J Effects of increasing calcium:phosphorus ratio in diets containing phytase on growth performance on finishing pig growth performance
S.M. Hanni, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.M. DeRouchey, J.L. Nelssen
J. of Animal Science, 21:59-65, 2005
- 04-208-J The effects of poultry meal source and ash level on nursery pig performance
T.P. Keegan, J.M. DeRouchey, J.L. Nelssen, M.D. Tokach, R.D. Goodband, S.S. Dritz
J. of Animal Science, 82:2750-2756, 2004
- 04-237-J Effect of sow parity and weight at service on target maternal weight and energy for gain in gestation
M.G. Young, M.D. Tokach, F.X. Aherne, R.G. Main, S.S. Dritz, R.D. Goodband, J.L. Nelssen
J. of Animal Science, 83:255-261, 2005
- 04-248-J Comparison of yellow dent and NutriDense corn hybrids for swine diets
C.W. Hastad, M.D. Tokach, R.D. Goodband, J.L. Nelssen, S.S. Dritz, J.J. DeRouchey, C.L. Jones
J. of Animal Science, 83:2624-2631, 2005
- 04-440-J Effects of in-feed antimicrobial alternatives and antimicrobials on nursery pig performance and weight variation
T.P. Keegan, S.S. Dritz, J.L. Nelssen, J.M. DeRouchey, M.D. Tokach, R.D. Goodband
J. of Swine Health and Production, 13:12-18, 2005

- 04-446-J Effects of ractopamine HCl on growth performance and within-pen weight variation in finishing pigs
M.R. Barker, S.S. Dritz, M.D. Tokach, R.D. Goodband, C.N. Groesbeck
J. of Swine Health and Production, 13:318-321, 2005
- 05-113-S Swine day 2004
A.T. Waylan, B.J. Johnson, D.P. Gnad, J.C. Woodworth, D.L. Davis, T. Iwasawa, M.G. Young, T.P. Keegan, M.D. Tokach, S.S. Dritz, R.D. Goodband, J.M. DeRouchey, J.L. Nelssen, C.R. Neill, J.E. Minton, C.N. Groesbeck, K.R. Lawrence, C.W. Hastad, R.O. Gottlob, B.M. Hildabrand, T.E. Burkey, N.Z. Frantz, D.A. Knabe, N.A. Lenehan, J.L. Usry, J.D. Schneider, R.G. Main, B.W. James, F. Valdez, C.R. Raines, M.E. Dikeman
KS Agric. Exp. Stn. Report of Progress 940, Nov. 2004
- 05-232-J Effects of feeding commercially grown pigs below or above their lysine requirement in early and late finishing on growth performance and economics
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen, T.M. Loughlin
The Professional Animal Scientist, 24:76-87, 2008
- 05-275-J Particle size, mill type, and added fat influence flow ability of ground corn
C.N. Groesbeck, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelson, J.M. DeRouchey
The Professional Animal Scientist, 22:120-125, 2006
- 05-276-J Effect of phytase dosage and source on growth performance and bone development of nursery pigs
B.W. James, M.D. Tokach, R.D. Goodband, J.L. Nelssen, S.S. Dritz, G.L. Lynch
The Professional Animal Scientist, 24:88-94, 2008
- 05-285-J The effects of dietary chicory and reduced nutrient diets on composition and odor of stored swine manure
S.M. Hanni, J.M. Derouchey, M.D. Tokach, R.D. Goodband, J.L. Nelssen, S.S. Dritz
The Professional Animal Scientist, 23:438-447, 2007
- 05-339-J Amino acid and energy digestibility of protein sources for growing pigs
R.O. Gottlob, J.M. DeRouchey, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.L. Nelssen, C.W. Hastad, D.A. Knabe
J. of Animal Science, 84:1396-1402, 2006
- 06-5-J Effects of pantothenic acid on growth performance and carcass characteristics of growing-finishing pigs
C.N. Groesbeck, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.M. DeRouchey
J. of Animal Science, 85:2492-2497, 2007
- 06-46-J Effects of *Salmonella typhimurium* challenge on swine growth, nitrogen balance, insulin-like growth factor-I, and acute phase proteins
J.A. Loughmiller, S.S. Dritz, J.L. Nelssen, M.D. Tokach, R.D. Goodband, S.A. Moser, M. De La Llata
American J. of Animal and Veterinary Sciences, 2:11-22, 2007
- 06-63-S Swine research 2005
S.K. Linneen, J.M. Benz, S.S. Dritz, J.M. DeRouchey, R.D. Goodband, M.D. Tokach, R.R.R. Rowland, J. Nietfeld, A.B. Brazle, B.J. Johnson, E.C. Titgemeyer, S.K. Weibel, D.L. Davis, K.R. Brown, J.L. Nelssen, N.Z. Frantz, R.O. Gottlob, C.N. Groesbeck, C.W. Hastad, C.R. Neill, J.D. Schneider, M.G. Young, J.C. Woodworth, E.J. Minton, T.E. Burkey, B.M. Hildabrand, K.A. Skjolaas-Wilson, J. Bergstrom, E.E. Carney, J.L. Usry, G. Andrews, C.K. Benz, J.W. Stephens, M.E. Dikeman, J.A. Unruh, M.D. Haub
KS Agric. Exp. Stn. Report of Progress 964, Nov. 2005
- 06-115-J Effects of weaning time (p.m. or a.m.) on nursery pig growth performance
C.R. Neill, M.D. Tokach, J.L. Nelssen, R.D. Goodband, J.M. DeRouchey, S.S. Dritz, C.N. Groesbeck, K.R. Brown
J. of Swine Health and Production, 15:19-23, 2007
- 06-124-J Effects of oregano oil on growth performance of nursery pigs
C.R. Neill, J.L. Nelssen, M.D. Tokach, R.D. Goodband, J.M. DeRouchey, S.S. Dritz, C.N. Groesbeck, K.R. Brown
J. of Swine Health and Production, 14:312-316, 2006

- 06-129-J Comparison of whey protein concentrate and spray-dried animal plasma in diets for weanling pigs
R.O. Gottlob, J.M. DeRouche, M.D. Tokach, J.L. Nelssen, R.D. Goodband, S.S. Dritz
The Professional Animal Scientist, 23:116-122, 2007
- 06-300-J Effects of water-based antimicrobials on growth performance of weanling pigs
R.O. Gottlob, S.S. Dritz, M.D. Tokach, J.M. DeRouche, R.D. Goodband, J.L. Nelssen, C.W. Hastad, C.N. Groesbeck, C.R. Neill
J. of Swine Health and Production, 15:198-205, 2007
- 06-320-J Growth characteristics, blood metabolites, and insulin-like growth factor system components in maternal tissues of gilts fed L-carnitine through day seventy of gestation
K.R. Brown, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.E. Minton, J.J. Higgins, J.C. Woodworth, B.J. Johnson
J. of Animal Science, 85:1687-1694, 2007
- 06-321-J L-carnitine alters insulin-like growth factor-1 (IGF-1), insulin-like growth factor binding protein-3 (IGFBP-3), and -5 mRNA in the endometrium of the gilt
K.R. Brown, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.E. Minton, J.J. Higgins, J.C. Woodworth, B.J. Johnson
J. of Animal Science, 85:1687-1694, 2007
- 07-83-S Swine day 2006
R. Carlin, D. Troyer, M. Weiss, B. Schultz, D. Davis, K.R. Brown, B.J. Johnson, R.D. Goodband, M.D. Tokach, J.L. Nelssen, J.C. Woodworth, R.C. Sulabo, J. Quackenbush, S.S. Dritz, J.M. DeRouche, J.D. Schneider, C.N. Groesbeck, J.M. Benz, D. McKilligan, R.O. Gottlob, C.R. Neill, N.Z. Frantz, B.M. Hildabrand, T.E. Burkey, K.A. Skjolaas, J.E. Minton, E.J. Wiedmann, S.K. Linneen, M.U. Steidinger, R.G. Main, C.R. Monge, J.D. Hancock, T.L. Gugle, C. Feoli, C.L. Jones, C.W. Starkey, G.A. Andrews, C.W. Hastad, J.L. Usry, M.C. Brumm, L.J. Johnston, K. Stalder, W. Diederich
KS Agric. Exp. Stn. Report of Progress 966, Nov. 2006
- 07-140-J Evaluation of soy protein concentrate sources in nursery diets
N.A. Lenehan, J.M. DeRouche, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, C.N. Groesbeck, K.R. Lawrence
J. of Animal Science, 85:3013-3021, 2007
- 07-143-J Diet mixing time affects nursery pig performance
C.N. Groesbeck, R.D. Goodband, M.D. Tokash, S.S. Dritz, J.L. Nelssen, J.M. DeRouche
J. of Animal Science, 85:1793-1798, 2007
- 07-234-J Evaluation of nutridense low phytate corn and added fat in swine diets
S.K. Linneen, J.M. DeRouche, R.D. Goodband, M.D. Toksch, S.S. Dritz, J.L. Nelssen
J. of Animal Science, 86:1556-1561, 2008
- 07-258-J Effect of dietary nutrients on osteochondrosis lesions and cartilage properties in pigs
N.Z. Frantz, G.A. Andrews, M.D. Tokach, J.L. Nelssen, R.D. Goodband, J.M. DeRouche, S.S. Dritz
American J. of Veterinary Research, 69:617-624, 2008
- 07-267-J Effects of feeding schedule on body condition, aggressiveness, and reproductive failure in group housed sows
J.D. Schneider, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.M. DeRouche, R.D. Goodband
J. of Animal Science, 85:3462-3469, 2007
- 07-307-J Effects of feeding growing pigs less or more than their estimated lysine requirement in early and late finishing on overall performance
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen, J.M. DeRouche
The Professional Animal Scientist, 24:76-87, 2008
- 08-121-S Swine day 2007
J.Y. Jacela, S.S. Dritz, M.D. Tokach, J.M. DeRouche, R.D. Goodband, J.L. Nelssen, R.C. Sulabo, J.R. Bergstrom, A. Brazle, T. Rathbun, B. Johnson, D. Davis, C.N. Groesbeck, T.E. Burkey, J.E. Minton, E.J. Wiedemann, J.R. Bergstrom, J.M. Benz, J.C. Woodworth, F. Neher, S.K. Linneen, C. Feoli, J.D. Hancock, S. Issa, T.L. Gugle, S.D. Carter, N.A. Cole, S.M. Williams, C. Monge, R.C. Thaler, A.W. Duttlinger, J. Snow, N.Z. Frantz, G. Andrews, J.D. Schneider, L.J. McKinney, K.C. Behnke, E.E. Carney
KS Agric. Exp. Stn. Report of Progress 985, Nov. 2007

08-144-J Effect of crude glycerol on pellet mill production and nursery pig growth performance
C.N. Groesbeck, L.J. McKenney, J.M. DeRouchey, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.L. Nelszen, A.W. Duttlinger, A.C. Farenholtz, K.C. Behnke
J. of Animal Science, 86:2228-2236, 2008

Food Science Institute

02-248-J Instrumental and consumer evaluation of pork restructured with Activa™ or with Fibrimex™ formulated with and without phosphate
N.C. Flores, C.L. Kastner, E.A.E. Boyle
LWT-Food Science and Technology, 40:179-185, 2007

02-345-J Chilling and cooking rate effects on some myofibrillar determinants of tenderness of beef
D.A. King, M.E. Dikeman, T.L. Wheeler, C.L. Kastner, M. Koohmaraie
J. of Animal Science, 81:1473-1481, 2003

02-376-J Control of *Clostridium perfringens* germination and outgrowth by buffered sodium citrate during chilling of roast beef and injected pork
H. Thippareddi, V.K. Juneja, R.K. Phebus, J.L. Marsden, C.L. Kastner
J. of Food Protection, 66:376-381, 2003

02-379-J Validation of a traditional Italian-style salami manufacturing process for control of *Salmonella* and *Listeria monocytogenes*
K.K. Nightingale, H. Thippareddi, R.K. Phebus, J.L. Marsden, C.L. Kastner
J. of Food Protection, 69:794-800, 2006

03-46-J Effects of enhancing beef *longissimus* with phosphate plus salt, or calcium lactate plus non-phosphate water binders plus rosemary extract
T.E. Lawrence, M.E. Dikeman, M.C. Hunt, C.L. Kastner, D.E. Johnson
Meat Science, 67(1):129-137, 2004

04-117-J Effectiveness of laboratory-scale vertical tower static chamber steam pasteurization unit against *Escherichia coli* O157:H7, *Salmonella typhimurium*, and *Listeria innocua* on prerigor beef tissue
D.D. Retzlaff, R.K. Phebus, A.L. Nutsch, J. Riemann, C.L. Kastner, J. Marsden
J. of Food Protection, 67:1630-1633, 2004

04-119-J Establishment of minimum operational parameters for a high-volume static chamber steam pasteurization system (SPS 400-SC) for beef carcasses to support HACCP programs
D.D. Retzlaff, R.K. Phebus, C.L. Kastner, J. Marsden
Foodborne Pathogens and Disease, 2:794-800, 2006

04-123-J Effect of spices and organic acids on the growth of *Clostridium perfringens* during cooling of cooked ground beef
J.R. Sabah, V.K. Juneja, D.Y.C. Fung
J. of Food Protection, 67(9):1840-1847, 2004

04-402-J Mutagenicity and acute toxicity evaluation of 2-dodecylcyclobutanone
P. Gadgil, J.S. Smith
J. of Food Science, 69:C713-C716, 2004

05-125-J Antimicrobial activity of cetylpyridinium chloride against *Listeria monocytogenes* on frankfurters and subsequent effect on quality attributes
M. Singh, V.S. Gill, H. Thippareddi, R.K. Phebus, J.L. Marsden, T.J. Herald, A.L. Nutsch
J. of Food Protection, 68:1823-1830, 2005

05-135-J Efficacy of cetylpyridinium chloride against *Listeria monocytogenes* and influence on color and texture of roast beef
M. Singh, H. Thippareddi, R.K. Phebus, J.L. Marsden, T.J. Herald, A.L. Nutsch
J. of Food Protection, 68:2349-2355, 2005

05-140-J Cetylpyridinium chloride treatment of ready-to-eat polish sausages: Effects on *Listeria monocytogenes* populations and quality attributes
M. Singh, V.S. Gill, H. Thippareddi, R.K. Phebus, J.L. Marsden, T.J. Herald, A.L. Nutsch
Foodborne Pathogens and Disease, 2:233-241, 2005

05-153-J A GC-FID method for detection of fusaproliferin in corn
X. Wu, J.S. Smith
J. of Agricultural and Food Chemistry, 55:3211-3216, 2007

- 05-240-J Validation of a traditional Italian salami manufacturing process for control of *Salmonella* and *Listeria monocytogenes*
K.K. Nightingale, H. Thippareddi, R.K. Phebus, J.L. Marsden, A.L. Nutsch
J. of Food Protection, 69:794-800, 2006
- 06-10-J Effects of ascorbic acid and origanox in different packaging systems to prevent pork lumbar vertebrae discoloration
C.R. Raines, M.E. Dikeman, J.P. Grobbel, E.J. Yancey
Meat Science, 74:267-271, 2006
- 06-15-J Effects of oral administration of sodium citrate or acetate to pigs on blood parameters, postmortem glycolysis, muscle pH decline, and quality attributes of pork
J.W. Stephens, M.E. Dikeman, A.J. Unruh, M.D. Haub, M.D. Tokach, S.S. Dritz
J. of Animal Science, 86:1669-1677, 2008
- 06-16-J Effects of pre-rigor injection of sodium citrate or acetate, or post-rigor injection of phosphate plus salt, on post mortem glycolysis, pH decline, and pork quality attributes
J.W. Stephens, M.E. Dikeman, A.J. Unruh, M.D. Haub, M.D. Tokach
Meat Science, 74:727-737, 2006
- 06-150-J Fate of *Escherichia coli* O157:H7 during production of fermented sausage snack sticks made from beef or a venison/beef blend and directly acidified with citric or lactic acid
S.K. Stoltenberg, K.J.K. Getty, H. Thippareddi, R.K. Phebus, T.M. Loughin
J. of Food Science, 71(6):M228-M235, 2006
- 06-213-J Influence of mixing temperature on xanthan conformation and interaction of xanthan-guar gum in dilute aqueous solutions
H. Khouryieh, T. Herald, F. Aramouni, S. Alavi
Food Research International, 39:964-973, 2006
- 06-257-J Relationships between microstructure and mechanical properties of cellular cornstarch extrudates
R. Agbisit, S. Alavi, E. Cheng, T.J. Herald, A.M. Trater
J. of Texture Studies, 38:199-219, 2007
- 06-266-J Metabolism by rats of 2-dodecylcyclobutanone, a radiolytic compound present in irradiated beef
P. Gadgil, J.S. Smith
J. of Agricultural and Food Chemistry, 54:4896-4900, 2006
- 07-17-J Influence of deacetylation on the rheological properties of xanthan-guar interactions in dilute aqueous solutions
H.A. Khouryieh, T.J. Herald, F. Aramouni, S. Alavi, S. Bean
J. of Food Science, 72(3):C173-178, 2007
- 07-28-J Validation of *Escherichia coli* O157:H7 in direct acidified beef summer sausage
K.J.K. Getty, A. Synoground, M.N. Roberts
J. of Food Safety, 27:225-285, 2007
- 07-68-J Intrinsic viscosity and viscoelastic properties of xanthan/guar mixtures in dilute solutions: Effect of salt concentration on the polymer interactions
H.A. Khouryieh, T.J. Herald, F. Aramouni, S. Alavi
Food Research International, 40:883-893, 2007
- 07-102-J Evaluation of various ammonia assays for testing of contaminated muscle food products
F. Hijaz, J.S. Smith, C.L. Kastner
J. of Food Science, 72:C253-257, 2007

- 07-179-S Beef cattle research 2007
J.S. Drouillard, C.A. Dobbins, D.E. Tenhouse, D.R. Eborn, S.K. Johnson, K.R. Harmony, J.S. Stevenson, M.G. Burns, B.S. Buttrey, J.E. Larson, B.J. Lovaas, G.C. Lamb, K.C. Olson, D.M. Grieger, S.J. Breiner, K.M. Boone, D.A. Blasi, S.A. Grau, T.C. Schroeder, B.B. Barnhardt, R.M. Breiner, A.M. Bryant, D.L. Pendell, M.P. Epp, M.F. Spire, B.J. White, R.L. Larson, D.U. Thomson, A. Garmyn, D. Moser, M.E. Dikeman, A.L. Van Eenennaam, J. Li, R.M. Thallman, R.L. Quaas, C. Gill, D.E. Franke, M.G. Thomas, P.J. Guiroy, G.F. Schroeder, E.C. Titgemeyer, E.S. Moore, J.O. Wallace, W.F. Miller, B.J. Johnson, C.D. Reinhardt, J.A. Christopher, T.T. Marston, M.L. May, M.J. Quinn, C.E. Walker, B.E. Depenbusch, E.R. Loe, M.E. Corrigan, T.A. Wickersham, R.C. Cochran, E.E. Wickersham, D.P. Gnad, T.G. Nagaraja, A.B. Thornton, J.T. Fox, G.H. Lonergan, D. Burkhardt, M.E. Jacob, S.L. Reinstein, C.R. Raines, J.A. Unruh, M.C. Hunt, J.J. Higgins, J.L. Marsden, S. Hutchison, F. Ameri, J.S. Smith, P. Gadgil, M.N. Roberts, K.J.K. Getty, E.A.E. Boyle, F. Hijaz, C.L. Kastner
KS Agric. Exp. Stn. Report of Progress 978, Mar. 2007
- 07-248-J Precooked bran-enriched wheat flour using extrusion: Dietary fiber profile and sensory characteristics
H. Gajula, S. Alavi, K. Adhikari, T.J. Herald
J. of Food Science, 73(4):S173-S179, 2008
- 08-118-J Effect of marinades on the formation of heterocyclic amines in beef steaks
F. Ameri, P. Gadgil, J.S. Smith
J. of Food Science, 73:T100-T105, 2008
- 09-034-J Effect of preservatives addition on the shelf-life extensions and quality of flat bread as determined by near-infrared spectroscopy and texture analysis
M. Abu-Ghoush, T.J. Herald, F. Dowell, F. Xie, F.M. Aramouni, R. Madl
International J. of Food Science, 43:357-364, 2008
- 09-035-J Grain sorghum is a viable feedstock for ethanol production
D. Wang, S. Bean, J. McLaren, P. Seib, R. Madl, M. Tuinstra, Y. Shi, M. Lenz, X. Wu, R. Zhao
J. of Industrial Microbiology Biotechnology, 35:313-320, 2008

Publications without contribution numbers

Fecal shedding of Salmonella in feedlot cattle that were treated for apparent respiratory disease
D.G. Renter, M.J. Alam, S.E. Ives, L.C. Hollis, D.U. Thomson, M.W. Sanderson, T.G. Nagaraja
Proceedings of the 87th Annual Conference of Research Workers in Animal Diseases, 2007

Geography

- 01-32-J Assessment of runoff and sediment yield using remote sensing, GIS, and AGNPS
S.J. Bhuyan, L. Marzen, J.K. Koelliker, J.A. Harrington, Jr., P.L. Barnes
J. of Soil and Water Conservation, 57(6):351-364, 2002
- 02-493-J An integrated approach for water quality assessment of watersheds
S.J. Bhuyan, J.K. Koelliker, L. Marzen, J.A. Harrington
Environmental Modelling & Software, 18:473-484, 2003
- 04-011-A Agricultural plant pathogen disease pathways: Predicting the dispersal of exotic soybean aphids
J.M.S. Hutchinson, N.J. Leathers, J. Herynk, L.R. Campbell, J.C. Reese
Papers and Proceedings of the Applied Geography Conference, 26:471-478, 2003
- 04-267-J Effect of energy development and human activity on the use of sand sagebrush habitat by lesser prairie-chickens in southwestern Kansas
R.J. Robel, J.A. Harrington, Jr., C.A. Hagen, J.C. Pitman, R.R. Reker
Transactions of the North American Wildlife and Natural Resources Conference, 69:251-266, 2004
- 05-160-J The use of pasture reflectance characteristics and arbuscular mycorrhizal root colonization to predict pasture characteristics of tallgrass prairie grazed by cattle and bison
M. Villarreal, R. Cochran, D. Johnson, G. Towne, G. Wilson, D. Hartnett, D. Goodin
Grass and Forage Science, 61:32-41, 2006

Grain Science and Industry

- 99-21-J Effect of particle size and moisture content on viscosity of fish feed
C.D. Lam, R. Flores
Cereal Chemistry, 80(1):20-24, 2003
- 00-15-J What ag students say motivates them to learn
K.R. Mankin, S. Flores, K.M. Boone, M. Willyard
NACTA J., 48(4):6-11, 2004
- 01-105-J Capillary electrophoresis of cereal proteins: An overview
G.L. Lookhart, S.R. Bean
J. of Capillary Electrophoresis and Microchip Technology, 9:23-30, 2004
- 01-124-J Effects of moisture content and extrusion parameters on tensile strength of starch and poly(lactic acid) blends
H. Pan, X. Sun
Applied Engineering in Agriculture, 19(5):573-579, 2003
- 01-264-J Reflectance spectroscopy and transmittance spectroscopy applied to detecting fumonisin in single corn kernels infected with *Fusarium verticillioides*
F.E. Dowell, T.C. Pearson, E.B. Maghirang, F. Xie, D.T. Wicklow
J. of Cereal Chemistry, 79(2):222-226, 2002
- 01-320-J Physical, chemical and thermal characterization of wheat flour milling co-products.
Y.S. Kim, R.A. Flores, O.K. Chung, D.B. Bechtel
J. of Food Process Engineering, 26(5):469-488, 2007
- 01-404-J Mechanical properties of starch/poly(lactic acid) blends as affected by physical aging
H. Wang, X. Sun, P. Seib
J. of Applied Polymer Science, 90:3683-3689, 2003
- 01-448-J Starch, poly(lactic acid) and poly(vinyl alcohol) blends
T. Ke, X.S. Sun
J. of Polymers and the Environment, 11(1):27-34, 2002
- 02-36-A When molecular causes of wheat quality are known, new molecular methods will supercede traditional methods
D.L. Wetzel
Proceedings of the International Wheat Quality Conference II
Manhattan, KS, 2001, pp. 1-20
- 02-162-B Insect and vertebrate pest management
B. Subramanyam, R. Roesli, J. Bruesch, A. Menon
In: Feed management technology V,
Arlington, VA: American Feed Industry Association, pp. 415-531, 2005
- 02-202-B Analysis for extraneous matter
J.R. Pedersen
In: Food analysis, 3rd ed., S.S. Nielsen (Ed.). Springer, 2003
- 02-244-J Blending of poly(lactic acid) and starches containing varying amylose content
T.Y. Ke, X.S. Sun
J. of Applied Polymer Science, 89(13):3639-3646, 2003
- 02-344-J Stored-product insects in Kansas retail pet stores
R. Roesli, B. Subramanyam, J. Campbell, K. Kemp
J. of Economic Entomology, 96:1958-1966, 2003
- 02-461-J Anti-tumor activity of wheats with high orthophenolic content
K. Drankhan, J. Carter, R. Madl, C. Klopfenstein, F. Padula, Y. Lu, T. Warren, N. Schmidt, D.J. Takemoto
Nutrition and Cancer, 47(2):188-194, 2003
- 02-474-J Function modification of vital wheat gluten with corn syrup using hydrothermal treatment
H. Singh, F. MacRitchie, M.R. Roth, Y. Kim, R.L. Madl, T.J. Herald
J. of the Science of Food and Agriculture, 86(2):251-257, 2005
- 02-475-J Intensity profiles of masseter muscle motion and their relations to texture attributes in mastication of cookies and crackers
Y. Peng, X. Sun, L. Carson, C. Setser
Transactions of the ASAE, 47(2):497-503, 2004

- 03-74-B Biscuits, cookies, and crackers/chemistry of biscuit making
J.L. Hazelton, J.L. DesRochers, C.E. Walker
In: The encyclopedia of food science and nutrition, 2nd ed. London: Academic Press, Chapter 105, 2003
- 03-75-B Cakes/chemistry of baking
J.L. DesRochers, K.D. Sietz, C.E. Walker
In: The encyclopedia of food science and nutrition, 2nd ed. London: Academic Press, Chapter 147, 2003
- 03-77-J Constraints to adoption of hard white wheat in western Kansas
W.M. Eberle, J.P. Shroyer, T.J. Herrman
J. of Natural Resources and Life Sciences Education, 33:1-6, 2004
- 03-114-J Pressurized solvent extraction of genistein and its β -glucoside conjugates from soybean flours and soy-based foods
J.M. Downing, O.K. Chung, P.A. Seib, J.D. Hubbard
Cereal Chemistry, 84:44-47, 2007
- 03-149-J Mechanical properties of poly(lactic)/starch blends compatibilized by maleic anhydride
J.-F. Zhang, X. Sun
Biomacromolecules, 5:1446-1451, 2004
- 03-154-J Using visible and near-infrared reflectance spectroscopy and differential scanning calorimetry to study starch, protein, and temperature effects on bread staling
F. Xie, F.E. Dowell, X. Sun
Cereal Chemistry, 81(2):249-254, 2003
- 03-161-J Thermal characterization and phase behavior of cornstarch by differential scanning calorimetry
Z. Zhong, X. Sun
J. of Food Engineering, 69(4):453-459, 2005
- 03-162-J Adhesive properties of modified soybean flour in wheat straw particleboard
E. Cheng, X. Sun, G. Karr
Composite Part A: Applied Science and Manufacturing, 35:297-302, 2004
- 03-219-J Larval survival and development of susceptible and resistant *Ostrinia nubilalis* (Lepidoptera: Pyralidae) on diet containing *Bacillus thuringiensis*
F. Huang, L.L. Buschman, R.A. Higgins
Agricultural and Forest Entomology, 7:45-52, 2005
- 03-245-J A systematic analysis of the break subsystems of a wheat flour pilot mill
J. Yuan, R.A. Flores, D. Eustace, G. Milliken
Food and Bioproducts Processing, 81(3):170-179, 2003
- 03-247-J Comparative analysis of proteinase activities of *Bacillus thuringiensis* -resistant and -susceptible *Ostrinia nubilalis* (Lepidoptera: Crambidae)
H. Li, B. Oppert, R.A. Higgins, F. Huang, K.Y. Zhu, L.L. Buschman
Insect Biochemistry and Molecular Biology, 34:753-762, 2004
- 03-269-J Transgenic plants expressing *Bacillus thuringiensis* delta-endotoxins
H. Li, B. Oppert, K.Y. Zhu, R.A. Higgins, F. Huang, L.L. Buschman
Entomologia Sinica, 10(3):155-166, 2003
- 03-273-J Knock down and mortality of eight stored-product beetles exposed to four surfaces treated with spinosad
M.D. Toews, B. Subramanyam, J.M. Rowan
J. of Economic Entomology, 96:1967-1973, 2003
- 03-283-J Characterizing spatial distribution of trap captures in retail pet stores using SADIE7 software
C. Nansen, B. Subramanyam, R. Roesli
J. of Stored Products Research, 40:471-483, 2004
- 03-290-J Physical characterization of starch extrudates as a function of melting transitions and extrusion conditions
S. Blanche, X. Sun
Biomacromolecules, 4:1053-1060, 2004
- 03-291-J Wet strength and water resistance of modified soy protein adhesives, and as affected by drying treatment
Z. Zhong, X.S. Sun, D. Wang, J. Ratto
J. of Polymers and the Environment, 11(4):137-144, 2003
- 03-293-J Mechanical properties and crystallization behavior of poly(lactic acid) blend with dendritic hyperbranched polymer
J.F. Zhang, X. Sun
Polymers International, 53:716-722, 2004

- 03-324-J Granulation sensing of first-break ground wheat using a near-infrared reflectance spectrometer
M.C. Pasikatan, C.K. Spillman, G.L. Steele, E. Haque, G.A. Milliken
Association of Operative Millers Technical Bulletin, 7947-7952, 2003
- 03-337-B History of milling and baking
C.E. Walker, W.D. Eustace
In: Encyclopedia of grain science, London: Academic Press, pp. 268-277, 2004
- 03-346-B Oven technologies
C.E. Walker
In: Encyclopedia of grain science, London: Academic Press, pp. 396-409, 2004
- 03-383-J Responses of *Corcyra cephalonica* (Stainton) to pirimiphos-methyl, spinosad, and combinations of pirimiphos-methyl and synergized pyrethrins
F. Huang, B. Subramanyam
Pest Management Science, 60:191-198, 2004
- 03-384-J A novel method for analyzing grain facility heat treatment data
H. Akdogan, M. Casada, A. Dowdy, B. Subramanyam
J. of Stored Products Research, 41:175-185, 2004
- 03-405-J Thermal properties and adhesion strength of modified soybean storage protein
X. Mo, X. Sun, D. Wang
J. of the American Oil Chemists' Society, 81(4):395-399, 2004
- 03-426-B Straw-based biomass and biocomposites
X. Mo, D. Wang, X. Sun
In: Natural fibers, biopolymers and biocomposites, A.K. Mohanty, M. Misra, L.T. Drzal (Eds.). CRC Press, pp. 473-496, 2005
- 03-429-B Overview of plant polymers: Resources, demands, and sustainability
X.S. Sun
In: Biobased polymers and composites, R. Wool, X.S. Sun (Eds.). London: Elsevier Academic Press, pp. 1-14, 2005
- 04-007-J Size distribution and properties of wheat starch granules in relation to crumb grain score of pup-loaf bread
S-H. Park, O.K. Chung, P.A. Seib
Cereal Chemistry, 81:699-704, 2004
- 04-008-S 2003 Kansas performance tests with winter wheat varieties
K. Roozeboom, W.W. Bockus, A. Fritz, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, V. Martin, E. Parker, B. Seabourn, R. Lamond, R. Bennett
KS Agric. Exp. Stn. Report of Progress 912, July 2003
- 04-020-J Influence of feed form on dietary lysine and energy intake and utilization of broilers from 14 to 30 days of age
M.W. Greenwood, K.R. Cramer, P.M. Clark, N.J. Bingaman, R.S. Beyer
International J. of Poultry Science, 3(3):189-194, 2004
- 04-039-B Plant polymers formation and growth
X.S. Sun
In: Biobased polymers and composites, R. Wool, X.S. Sun (Eds.). London: Elsevier Academic Press, pp. 15-32, 2005
- 04-040-B Isolation and processing of plant materials
X.S. Sun
In: Biobased polymers and composites, R. Wool, X.S. Sun (Eds.). London: Elsevier Academic Press, pp. 33-55, 2005
- 04-047-J Effects of varying weight ratios of large and small wheat starch granules on experimental straight dough bread
S-H. Park, O.K. Chung, P.A. Seib
Cereal Chemistry, 82:166-172, 2005
- 04-083-J Hard winter wheat and flour properties in relation to breadmaking quality of straight-dough bread: Flour particle size and bread crumb grain
S-H. Park, O.K. Chung, P.A. Seib
Food Science and Technology International, 27(11):164-170, 2006
- 04-086-J Behavioral and reproductive effects of ultrasound on *Plodia interpunctella* (Hubner)
F. Huang, B. Subramanyam
Entomologia Experimentalis et Applicata, 113:157-164, 2004
- 04-089-J Characterization and modeling of a high-pressure water-fogging system for grain dust control
D. Brabec, R.G. Maghirang, M. Casada, E. Haque
Transactions of the ASAE, 48(1):331-339, 2005

- 04-097-J Synchrotron infrared microspectroscopy reveals localized heterogeneities in organically modified silicate films
D.L. Wetzel, J. Striova, D.A. Higgins, M.M. Collinson
Vibrational Spectroscopy, 35:153-158, 2004
- 04-121-J Management of five stored-product insects in wheat with pirimiphos-methyl and pirimiphos-methyl plus synergized pyrethrins
F. Huang, B. Subramanyam
Pest Management Science, 61:356-362, 2005
- 04-127-B Bakeries
C.W. Wrigley, C.E. Walker
In: Encyclopedia of grain science, London: Academic Press, pp. 21-27, 2004
- 04-141-J Investigation and optimization of the factors influencing sorghum protein extraction
S-H. Park, S.R. Bean
J. of Agricultural and Food Chemistry, 51(24):7050-7054, 2003
- 04-160-J Comparison of aeration and spinosad for suppressing insects in stored wheat
P.W. Flinn, B. Subramanyam, F.H. Arthur
J. of Economic Entomology, 97:1465-1473, 2004
- 04-182-J Survival of stored product insect natural enemies in spinosad-treated wheat
M.D. Toews, B. Subramanyam
J. of Economic Entomology, 97:1174-1180, 2004
- 04-203-J Susceptibility of laboratory and field strains of four stored product insect species to spinosad
F. Huang, B. Subramanyam, M.D. Towes
J. of Economic Entomology, 97:2154-2159, 2004
- 04-214-J Binding analysis of Cry1Ab and Cry1Ac with membrane vesicles from *Bacillus thuringiensis*-resistant and -susceptible *Ostrinia nubilalis* (Lepidoptera: Crambidae)
H. Li, J. González-Cabrera, B. Oppert, J. Ferré, R.A. Higgins, L.L. Buschman, G.A. Radke, K.Y. Zhu, F. Huang
Biochemical and Biophysical Research Communications, 323:52-57, 2004
- 04-303-J Relative susceptibility of *Tribolium confusum* (Jacquelin du Val) life stages to elevated temperatures
D. Boina, B. Subramanyam
J. of Economic Entomology, 97:2168-2173, 2004
- 04-318-J Classification and prediction of maize hardness-associated properties using multivariate statistical analyses
K-M. Lee, J. Lingens, T. Herrman
J. of Cereal Science, 41(1):85-93, 2005
- 04-336-J Changes in expression of heat shock proteins in *Tribolium castaneum* (Coleoptera: Tenebrionidae) in relation to developmental stage, exposure time, and temperature
R. Mahroof, K.Y. Zhu, B. Subramanyam
Annals of the Entomological Society of America, 98(1):100-107, 2005
- 04-352-A Grain commingling at receiving in a county elevator
M.E. Ingles, M.E. Casada, R.G. Maghirang, T.J. Herrman
Proceedings of the International Quality Grains Conference
Purdue University, USA, 2004, 14 pp.
- 04-355-J Lignans are involved in the antitumor activity of wheat bran in colon cancer SW480 cells
H. Qu, R.L. Madl, D.J. Takemoto, W. Wang, R. Baybutt
Nutrition and Cancer, 135:598-602, 2005
- 04-370-J Influence of feed form on estimated digestible lysine needs of male broilers from 16 to 30 days of age
M.W. Greenwood, K.R. Kramer, P.M. Clark, K.C. Behnke, R.S. Beyer
J. of Applied Poultry Science, 14:130-135, 2004
- 04-413-J Ethanol production from extrusion-cooked grain sorghum
X. Zhan, D. Wang, S.R. Bean, X. Mo, X.S. Sun, D. Boyle
Industrial Crops and Products, 23:304-310, 2006
- 04-416-B Poly(lactic acid) based bioplastics
J. Zhang, X.S. Sun
In: Biodegradable polymers, R. Smith (Ed.). Cambridge, UK: Woodhead, 2004

- 04-448-J Stored-product insects associated with eight feed mills in the midwestern United States
Z. Larson, B. Subramanyam, T. Herrman
J. of Economic Entomology, 101:998-1005, 2008
- 05-27-S 2004 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, E. Parker, B. Seabourn, R. Lamond, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 930, July 2004
- 05-32-B Fundamentals of stored-product entomology
D.W. Hagstrum, B. Subramanyam
St. Paul, MN: American Association of Cereal Chemists, 2008
- 05-58-J Holistic approach to process retrofitting: Application to downstream process for biochemical production of organics
J. Liu, L.T. Fan, P. Seib, F. Friedler, B. Bertok
Industrial and Engineering Chemistry Research, 45:4200-4207, 2006
- 05-66-J Thermal properties of adhesives of cationic detergent modified soy protein
Y. Wang, D. Wang, X.S. Sun
J. of the American Oil Chemists' Society, 82(5):357-363, 2005
- 05-73-J Adhesion and structure properties of protein nanomaterials containing hydrophobic-charged amino acids
X. Shen, R. Moore, X. Mo, S.J. Frazier, T. Iwamoto, J.M. Tomich, X.S. Sun
J. of Applied Polymer Science, 110(2):647-656, 2008
- 05-115-J Reproductive performance of *Tribolium castaneum* (Coleoptera: Temebrionidae) exposed to the minimum heat treatment temperature as pupae and adults
R.M. Mahroof, B. Subramanyam, P.W. Flinn
J. of Economic Entomology, 98:626-633, 2005
- 05-149-J Characterization of polymorphic microsatellite markers in the Indian meal moth, *Plodia interpunctella*
T. Grace, S. Kambhampati, B. Subramanyam
Molecular Ecology Notes, 5:321-322, 2004
- 05-165-J Expression patterns of three heat-shock protein 70 genes among developmental stages of the red flour beetle, *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae)
R. Mahroof, K.Y. Zhu, L. Neven, B. Subramanyam, J. Bai
Comparative Biochemistry and Physiology: Part A: Molecular and Integrative Physiology, 141A:247-256, 2005
- 05-178-J Isoelectric pH of polyamide-epichlorohydrin modified soy protein improved water resistance and adhesive strength
Z. Zhong, X.S. Sun, D. Wang
J. of Applied Polymer Science, 103(4):2261-2270, 2006
- 05-200-J Resistant starches from amylose mutants of corn by simultaneous heat-moisture treatment and phosphorylation
Y. Sang, P.A. Seib
Carbohydrate Polymers, 63:167-175, 2006
- 05-201-B Temperature modification for insect control
O. Dosland, B. Subramanyam, K. Shepard, R. Mahroof
In: Insect management for food storage and processing, 2nd ed., J. Heaps (Ed.). St. Paul, MN: American Association of Cereal Chemists, pp. 89-103, 2006
- 05-202-J Effects of wood surface roughness, adhesive viscosity, and processing pressure on adhesion strength of protein adhesives
E.Z. Cheng, X.S. Sun
J. of Adhesion Science and Technology, 20(9):997-1017, 2006
- 05-230-J Rheological study of xanthan and locust bean gum interaction in dilute solution
J. Higiroy, T.J. Herald, S. Alavi
Food Research International, 39:165-175, 2006
- 05-263-J Soybean glyceinin subunits: Characterization of physico-chemical and adhesion properties
X. Mo, Z. Zhong, D. Wang, X. Sun
J. of Agricultural and Food Chemistry, 54(20):7589-7593, 2006
- 05-281-J Biodegradable foams of poly(lactic acid)/starch: I. Extrusion condition and cellular size distribution
J. Zhang, X. Sun
J. of Applied Polymer Science, 106(2):857-862, 2007

- 06-3-J Soy protein adhesive performance enhanced by esterification
Y. Wang, X.S. Sun, D. Wang
Transactions of the ASAE, 49(3):713-719, 2006
- 06-9-J Effects of genotype and environment on adhesive shear strength in soybean
M.E. Stoll, W.T. Schapaugh, Jr., M.S. Zutara, J. Hu, X.S. Sun
Crop Science, 46:2008-2012, 2006
- 06-11-S 2005 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Spangler, E. Parker, B. Seabourn, M. Knapp, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 947, July 2005
- 06-54-J Rheological study of xanthan and locust bean gum interaction in dilute solution: Effect of salt
J. Higiroy, T. Herald, S. Alavi, S. Bean
Food Research International, 40:435-447, 2007
- 06-65-J Chemical imaging of intact seeds with NIR focal plane array assists plant breeding
V.W. Smail, A.K. Fritz, D.L. Wetzel
Vibrational Spectroscopy, 42:215-222, 2006
- 06-76-J Levels of protein and protein composition in hard winter wheat flours and their relationships to breadmaking
S.-H. Park, S.R. Bean, O.K. Chung, P.A. Seib
Cereal Chemistry, 83:418-423, 2006
- 06-97-J Adhesion performance of amino groups (ϵ -NH₂) of soybean glycinin proteins
L. Zhu, X.S. Sun
J. of Biobased Materials and Bioenergy, 1(1):64-70, 2007
- 06-126-J Thermal degradation and physical aging of poly(lactic acid) and its blend with starch
R.A. Moura, X.S. Sun
Polymer Engineering and Science, 48(4):829-836, 2008
- 06-136-J Susceptibility of eggs, fifth instars, pupae, and adults of *Plodia interpunctella* (Hubner) (Lepidoptera: Pyralidae) to high temperatures used during structural heat treatments
R. Mahroof, B. Subramanyam
Bulletin of Entomological Research, 97:539-545, 2006
- 06-151-J Wet-milling of grain sorghum of varying seed size without steeping
X.J. Xie, Y.T. Liang, P. Seib
Starch/Staerke, 58:353-359, 2006
- 06-153-J Solvent retention capacity values in relation to hard winter wheat and flour properties and straight-dough breadmaking quality
Z.S. Xiao, S.H. Park, O.K. Chung, M.S. Caley, P.A. Seib
Cereal Chemistry, 83:465-471, 2006
- 06-167-J Design of 11-residue peptides with unusual biophysical properties: Induced secondary structure in the absence of water
X. Mo, Y. Hiromasa, A. Al-Rawi, M. Warner, T. Iwamota, T. Rahman, X.S. Sun, J.M. Tomich
Biophysical J., 94:1807-1817, 2008
- 06-173-J Effects of amylose amylopectin ratio, corn protein, and corn fiber contents on ethanol production
X. Wu, R. Zhao, D. Wang, S.R. Bean, P.A. Seib, M.R. Tuinstra, M. Campbell, A. O'Brien
Cereal Chemistry, 83(5):569-575, 2007
- 06-213-J Influence of mixing temperature on xanthan conformation and interaction of xanthan-guar gum in dilute aqueous solutions
H. Khouryieh, T. Herald, F. Aramouni, S. Alavi
Food Research International, 39:964-973, 2006
- 06-252-J Soy protein adhesion enhanced by glutaraldehyde crosslink
Y. Wang, X.S. Sun, D. Wang
J. of Applied Polymer Science, 104(1):130-136, 2007
- 06-257-J Relationships between microstructure and mechanical properties of cellular cornstarch extrudates
R. Agbisit, S. Alavi, E. Cheng, T.J. Herald, A.M. Trater
J. of Texture Studies, 38:199-219, 2007

- 06-285-J Mechanical-acoustic and sensory evaluations of cornstarch-whey protein isolate extrudates
E. Cheng, S. Alavi, T. Pearson, R. Agbisit
J. of Texture Studies, 38:473-498, 2007
- 06-298-J Plywood adhesives by blending soy adhesive with phenol-formaldehyde resin
Z. Zhong, X.S. Sun
J. of Biobased Materials and Bioenergy, 1(3):380-387, 2007
- 06-310-J Effects of preheating treatment on thermal property and adhesion performance of soy protein isolates
Y. Wang, X.S. Sun, D. Wang
J. of Adhesion Science and Technology, 21(15):1469-1481, 2007
- 06-341-J Evaluation of spinosad as a grain protectant on three Kansas farms
B. Subramanyam, M.D. Toews, K.E. Ileleji, D.E. Maier, G.D. Thompson, T.J. Pitts
Crop Protection, 26:1021-1030, 2006
- 06-350-J Responses of mosquitoes and German cockroaches to ultrasound emitted from a random ultrasonic generating device
A. Ahmad, B. Subramanyam, L. Zurek
Entomologica Experimentalis and Applicata, 123:25-33, 2007
- 06-353-J Effects of starch types on mechanical properties of poly(lactic acid)/starch composites
X.S. Sun, R. Acioli-Moura, W. Li
International Polymer Processing, 2007(5):410-417, 2007
- 06-362-J Factors impacting ethanol production from grain sorghum in the dry-grind process
X. Wu, R. Zhao, S.R. Bean, P.A. Seib, J.S. McLauren, R.L. Madl, M.R. Tuinstra, M.C. Lenz, D. Wang
J. of Cereal Chemistry, 84(2):130-136, 2007
- 07-8-S 2006 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, D. Jardine, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, E. Parker, J. Lingenfelser, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 967, Aug. 2006
- 07-17-J Influence of deacetylation on the rheological properties of xanthan-guar interactions in dilute aqueous solutions
H.A. Houryieh, T.J. Herald, F. Aramouni, S. Alavi, S. Bean
J. of Food Science, 72(3):C173-178, 2007
- 07-19-J Effectiveness of spinosad and spinosad plus spirimiphos-methyl against stored-grain insects on corn
F. Huang, B. Subramanyam
Pest Management Science, 14:225-230, 2007
- 07-63-J Pressurized solvent extraction of genistein and its beta-glucoside conjugates from soy flours and soy-based foods
J.M. Downing, O.K. Chung, P.A. Seib, J.D. Hubbard
Cereal Chemistry, 84:44-47, 2007
- 07-68-J Intrinsic viscosity and viscoelastic properties of xanthan/guar mixtures in dilute solutions: Effect of salt concentration on the polymer interactions
H.A. Houryieh, T.J. Herald, F. Aramouni, S. Alavi
Food Research International, 40:883-893, 2007
- 07-133-J Morphology and phase separation of hydrophobic clusters of soy globular protein polymers
X.S. Sun, D. Wang, L. Zhang, X. Mo, L. Zhu, D. Boyle
Macromolecular Bioscience, 8:295-303, 2007
- 07-177-B Protein nanomaterials and their application
X.S. Sun, X. Mo
In: *Encyclopedia of nanoscience and nanotechnology*, 2nd ed., H.S. Nalwa (Ed.). Los Angeles, CA: American Scientific Publishers, 2007
- 07-178-J Immediate and delayed mortality effects of two stored-product insects on three commodities treated with two spinosad formulations
A.I. Getchell, B. Subramanyam
J. of Economic Entomology, 101:1022-1027, 2008
- 07-193-J Evaluation of a dry spinosad formulation on two extruded pet foods for control of four stored-product insects
A. Getchell, B. Subramanyam
Biopesticides International, 3:108-116, 2007

- 07-195-J Effects of preheating treatment on thermal property and adhesion performance of soy protein isolates
Y. Wang, X.S. Sun, D. Wang
J. of Adhesion Science and Technology, 21(15):1469-1481, 2007
- 07-198-J Diversity and antibiotic resistance of enterococci associated with stored-product insects collected from feed mills
Z. Larson, B. Subramanyam, L. Zurek, T. Herrman
J. of Stored Product Research, 44:198-203, 2008
- 07-214-J Barrier and mechanical properties of starch-clay nanocomposite films
Z.Z. Tang, S.H. Alavi, T.J. Herald
Cereal Chemistry, 85:433-439, 2008
- 07-248-J Precooked bran-enriched wheat flour using extrusion: Dietary fiber profile and sensory characteristics
H. Gajula, S. Alavi, K. Adhikari, T.J. Herald
J. of Food Science, 73(4):S173-S179, 2008
- 07-296-J Low-cost propionate salt as road de-icer: Evaluation of cheese whey and other media constituents
P.V. Vadlani, A.P. Matthews, G.S. Karr
World J. of Microbiology and Biotechnology, 24:825-832, 2008
- 07-317-J The betaine and choline content of a whole wheat flour compared to other mill streams
R. Likes, R.L. Madl, S.H. Zeisel, S.A.S. Craig
J. of Cereal Science, 46:93-95, 2007
- 07-318-J Functional modification of vital wheat gluten with corn syrup using hydrothermal treatment
H. Singh, F. MacRitchie, Y. Kim, R. Madl, T. Herald
J. of the Science of Food and Agriculture, 86:251-257, 2006
- 07-319-J Wheat antioxidants suppress intestinal tumor activity in Min mice
J. Carter, R. Madl, F. Padula
Nutrition Research, 26:33-38, 2006
- 08-4-J Price targeting through iterative flowsheet syntheses in developing novel processing equipment: Pervaporation
L.T. Fan, T. Zhang, J. Liu, P. Seib, F. Friedler, B. Bertok
Industrial and Engineering Chemistry Research, 47(5):1556-1561, 2008
- 08-11-S 2007 Kansas performance tests with winter wheat varieties
J. Lingenfelter, K. Roozeboom, A. Fritz, E. De Wolf, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, M. Spangler, A. Schlegel, R. Chen, L. McLaughlin, R. Miller, B. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 982, Aug. 2007
- 08-35-J A two-stage fermentation process: Production of propionate and acetate salt as road de-icer from cheese whey
P.V. Vadlani, A.P. Mathews, G.S. Karr
Biological Engineering, 1(1):95-104, 2008
- 08-52-J Aerobic production of isoamyl acetate by overexpression of the yeast alcohol acetyltransferase *AFT1* and *AFT2* in *Escherichia coli* and using low-cost fermentation ingredients
R. Singh, P.V. Vadlani, M.L. Harrison, G.N. Bennett, K-Y. San
Bioprocess and Biosystems Engineering, 31(4):299-306, 2008
- 08-55-J Efficacy of spinosad against eight stored-product insect species on hard white winter wheat
F. Huang, B. Subramanyam, X. Hou
Biopesticides International, 3:117-125, 2008
- 08-59-A Health benefits of whole grain products
R.L. Madl
Proceedings of the C&E Spring Meeting 2007, AACC International
St. Paul, MN, 2008
- 08-61-J Development and validation of a dynamic model for predicting survival of old larvae of *Tribolium confusum* (Jacquelin du Val) during facility heat treatments
D.R. Boina, B. Subramanyam, S. Alavi
J. of Economic Entomology, 101:989-997, 2008
- 08-62-J Release of D-xylose from wheat straw by acid and xylanase hydrolysis and purification of xylitol
A.B. Liavoga, Y. Bian, P. Seib
J. of Agricultural and Food Chemistry, 55:7758-7766, 2007

- 08-65-J Evaluation of UASB reactor performance during start-up operation using synthetic mixed acid waste
P.V. Vadlani, K.B. Ramachandran
Bioresource Technology, 99(17):8231-8236, 2008
- 08-107-A Ovens and heat transfer
C.E. Walker, J. Xue
Proceedings of the International Symposium, Biotechnologies, Present and Perspectives
Suceava, Romania, November 2007
- 08-121-S Swine day 2007
J.Y. Jacela, S.S. Dritz, M.D. Tokach, J.M. DeRouchey, R.D. Goodband, J.L. Nelssen, R.C. Sulabo, J.R. Bergstrom, A. Brazle, T. Rathbun, B. Johnson, D. Davis, C.N. Groesbeck, T.E. Burkey, J.E. Minton, E.J. Wiedemann, J.R. Bergstrom, J.M. Benz, J.C. Woodworth, F. Neher, S.K. Linneen, C. Feoli, J.D. Hancock, S. Issa, T.L. Gugle, S.D. Carter, N.A. Cole, S.M. Williams, C. Monge, R.C. Thaler, A.W. Duttlinger, J. Snow, N.Z. Frantz, G. Andrews, J.D. Schneider, L.J. McKinney, K.C. Behnke, E.E. Carney
KS Agric. Exp. Stn. Report of Progress 985, Nov. 2007
- 08-144-J Effect of crude glycerol on pellet mill production and nursery pig growth performance
C.N. Groesbeck, L.J. McKenney, J.M. DeRouchey, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.L. Nelssen, A.W. Duttlinger, A.C. Farenholtz, K.C. Behnke
J. of Animal Science, 86:2228-2236, 2008
- 08-148-S 2007 Kansas performance tests with grain sorghum hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, P. Vadlani, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 986, Dec. 2007
- 08-187-J Role of salt in baking
R.A. Miller, R.C. Hoseneey
Cereal Foods World, 53(1):4-6, 2008
- 08-288-S Field day 2008, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, C. Thompson, T. Dumler, L. Haag, L. Stone, M. Alam, N. Klocke, R. Currie, M. Brouk, J. Lee, P. Westra, J. Fenderson, J. Tichota, J. Mueller, J. Holman, T. Gillum, M. Deewall, A. Burns, H. Davis, L. Buschman, P. Sloderbeck, A. Joshi, T. Niide, W.B. Gordon, C. Khajuria, M. Stamm, G. Miller, S. Maxwell, R. Hale, T. Herrman, L. Murray, K. Roozeboom, D. Yauk
KS Agric. Exp. Stn. Report of Progress 997, Apr. 2008
- 08-330-J Effects of growing location and irrigation on attributes and ethanol yields of selected grain sorghums
X. Wu, R. Zhao, L. Liu, S. Bean, P.A. Seib, J. McLaren, R. Madl, M. Tuinstra, M. Lenz, D. Wang
Cereal Chemistry, 85(4):495-501, 2008
- 09-034-J Effect of preservatives addition on the shelf-life extensions and quality of flat bread as determined by near-infrared spectroscopy and texture analysis
M. Abu-Ghoush, T.J. Herald, F. Dowell, F. Xie, F.M. Aramouni, R. Madl
International J. of Food Science, 43:357-364, 2008
- 09-035-J Grain sorghum is a viable feedstock for ethanol production
D. Wang, S. Bean, J. McLaren, P. Seib, R. Madl, M. Tuinstra, Y. Shi, M. Lenz, X. Wu, R. Zhao
J. of Industrial Microbiology Biotechnology, 35:313-320, 2008

Horticulture, Forestry, and Recreation Resources

- 01-415-J The role of interpretation of cultural and natural resources in ecotourism development
T. Cable
Informatore Botanico Italiano, 33(1):1-5, 2001
- 02-32-B Driving across Kansas: A guide to I-70
T. Cable, W.A. Maley
Lawrence, KS: University Press of Kansas, 243 pp., 2003
- 02-228-J Insect pest management systems for native pecans
W. Reid
Southwestern Entomologist, 27:39-44, 2003

- 02-231-A Fabric weed barriers for tree seedling establishment in the central Great Plains
W.A. Geyer
Proceedings of the 13th Central Hardwood Forest Conference; Gen. Tech. Rep. NC-234
J.W. Van Sambeek, J.O. Dawson, F. Ponder, Jr., E.F. Loewenstein, J.S. Fralish (Eds.). St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station, pp. 443-446, 2004
- 02-374-J Dollar spot and brown patch incidence in creeping bentgrass as affected by acibenzolar-S-methyl and biostimulants
J. Lee, J. Fry, N. Tisserat
HortScience, 38:1223-1226, 2003
- 02-407-A Increasing amounts of chemical weed control increases growth of white ash, white oak, and black walnut in a tall fescue sod
J.D. Carlisle, W.A. Geyer, J.W. Van Sambeek
Proceedings of the 13th Central Hardwood Forest Conference; Gen. Tech. Rep. NC-234
J.W. Van Sambeek, J.O. Dawson, F. Ponder, Jr., E.F. Loewenstein, J.S. Fralish (Eds.). St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station, pp. 449-450, 2004
- 02-499-J Performance of green ash seed sources at four locations in the Great Plains region
W.A. Geyer, K.D. Lynch, J. Row, P. Schaeffer, W. Bagley
Northern J. of Applied Forestry, 22(1):54-58, 2005
- 03-44-J Closing the loop on the internship experience with a new pre-internship course
G. Davis, K.A. Williams
ACTA Horticulturae, 641:29-34, 2004
- 03-63-J Horticultural therapy: Comparison with other allied health therapies and current status of the profession
C.A. Shoemaker
ACTA Horticulturae, 639:173-178, 2004
- 03-76-J Streambank stability of two Kansas river systems during the 1993 flood in Kansas, USA
W.A. Geyer, K. Brooks, T. Neppi
Transactions of the Kansas Academy of Science, 106:48-53, 2003
- 03-122-A Agroforestry to reclaim a degraded land by mining in Minas Gerais, Brazil
M. Vidal, F. Dube, W. Geyer
Proceedings of the XII FAO World Forestry Conference, 2003, pp. 21-28
- 03-136-J An analysis of registered horticultural therapists
C.A. Shoemaker
J. of Therapeutic Horticulture, 14:50-55, 2003
- 03-157-J Tissue P, but not N, in *Impatiens wallerana* affects western flower thrips (*Frankliniella occidentalis*) population growth and plant damage
Y. Chen, K.A. Williams, B.K. Harbaugh, M.L. Bell
HortScience, 39(3):545-550, 2004
- 03-196-J Preventive fungicide applications for control of brown patch and dollar spot on creeping bentgrass, 2002
D. Settle, J. Fry, N. Tisserat
Fungicide and Nematocide Tests (APS), Report 58:T029, 2003
Published online, doi:10.1094/FN58
- 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
- 03-264-J Evaluations of trap designs and a pheromone formulation used for monitoring pecan weevil, *Curculio caryae*
P.G. Mulder, Jr., W. Reid, R.A. Grantham, S. Landgraf, L. Tallaferro, M.E. Payton, A. Knutson
Southwestern Entomologist, 27:85-99, 2003
- 03-329-J Evaluation of microlysimeters used in turfgrass evapotranspiration studies using the dual-probe heat-pulse technique
D.J. Bremer
Agronomy J., 95:1625-1632, 2003

- 03-423-S Agronomy field research 2003
L.D. Maddux, S. Staggenborg, K.A. Janssen, D.A. Whitney, G.M. Pierzynski, J.L. Moyer, C.M. Taliaferro, W.B. Gordon, M.M. Claassen, G.E. Wilde, K.L. Roozeboom, D.L. Fjell, D.L. Regehr, R.E. Lamond, R. Aiken, L.D. Charlet, R.D. Stockton, M. Tuinstra, K. Kofoid, V.L. Martin, R. Hale, D. Blasi, W.F. Heer, R.R. Janke, S.R. Duncan, D. O'Brien, D. Belshe, D.E. Peterson, T.M. Maxwell
KS Agric. Exp. Stn. Report of Progress 913, Jan. 2004
- 04-012-J Full moon farm builds high tunnels: A case study in site planning for crop production structures
M. Spaw, K.A. Williams
HortTechnology, 14(2):449-454, 2004
- 04-014-J Conversion of fairway-height perennial ryegrass turf to Kentucky bluegrass without nonselective herbicides
R.W. Kraft, S.J. Keeley, K. Su
Agronomy J., 96:576-579, 2004
- 04-049-J Nitrogen rate and mowing height effects on turf-type buffalograss
K.W. Frank, R.E. Gaussion, T.P. Riordan, J.D. Fry, E.D. Miltner, P.G. Johnson
Crop Science, 44:1615-1621, 2004
- 04-073-T Spray what?
W. Reid
Pecan South, 36(4):12-17, 2003
- 04-074-T Preemergence herbicide and seeding method effects on seedling growth of Kentucky bluegrass (*Poa pratensis*)
S. Keeley, H-E. Zhou
Weed Technology, 19:43-46, 2005
- 04-137-J Cultivar evaluation and development for black walnut orchards
W. Reid, M.V. Coggeshall, K.L. Hunt
Proceedings of the 6th Walnut Council Research Symposium; Gen. Tech. Rep. NC-243
C.H. Michler, P.M. Pijut, J.W. Van Sambeek, M.V. Coggeshall, J. Seifert, K. Woeste, R. Overton, F. Ponder, Jr. (Eds.).
St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station, pp. 18-24, 2004
- 04-174-J Plant age, fertilization, and biological control affect damage caused by twospotted spider mites on ivy geranium: Development of an action threshold
G.P. Opit, Y. Chen, K.A. Williams, J.R. Nechols, D.C. Margolies
J. of the American Society for Horticultural Science, 130:159-166, 2005
- 04-183-T Planning grove improvements
W. Reid
Pecan South, 36(10):4-7, 2003
- 04-273-J Measurement and partitioning of in situ carbon dioxide fluxes in turfgrasses using a pressurized chamber
D.J. Bremer, J.M. Ham
Agronomy J., 97:627-632, 2005
- 04-274-J Genetic diversity and aggressiveness of *Ophiosphaerella korrae*, a cause of spring dead spot of Bermudagrass
F.B. Iriarte, H.C. Wetzel, III, J.D. Fry, D.L. Martin, N.A. Tisserat
Plant Disease, 88(12):1341-1346, 2004
- 04-282-J Influence of preharvest calcium application on storage quality of 'Jonathan' apples in Kansas
S. Kadir
Transactions of the Kansas Academy of Science, 108:129-137, 2005
- 04-305-J Overview of agroforestry practices in southeastern Brazil
W.A. Geyer, F. Dube, L. Couto
Transactions of the Kansas Academy of Science, 107:143-147, 2004
- 04-309-J Minimum water requirements of four turfgrasses in the transition zone
J. Fu, J. Fry, B. Huang
HortScience, 39:1740-1744, 2004
- 04-331-S Agronomy field research 2004
K.A. Janssen, M.M. Claassen, W.B. Gordon, L.D. Maddux, W.F. Heer, G. Cross, L.J. Ferdinand, D. Fjell, R. Gehl, R.R. Janke, K.W. Kelley, R. Lamond, J.L. Moyer, G.M. Pierzynski, D.L. Regehr, K. Roozeboom, J.P. Schmidt, S. Staggenborg, L.R. Stone, R. Taylor, C.M. Taliaferro, C. Rost
KS Agric. Exp. Stn. Report of Progress 928, Feb. 2005

- 04-342-S Walnut and scotch pine trees grown with farm crops
W.A. Geyer
KS Agric. Exp. Stn. Keeping up with Research 139, May 2004
- 04-346-J Another option for grafting and budding: The arrowhead
W. Reid
Pecan South, 37:24-27, 2004
- 04-347-J Native timbre - Starved to economic death
W. Reid
Pecan South, 37:4, 6, 12, 2004
- 04-364-J Seeded zoysiagrass in establishment in a perennial ryegrass sward
A.J. Zuk, J.D. Fry
Crop Science, 45:1521-1528, 2005
- 04-373-J Effect of cold acclimation and freezing on spring dead spot severity in bermudagrass
F.B. Iriarte, J.D. Fry, D.L. Martin, T.C. Todd, N.A. Tisserat
HortScience, 40:421-423, 2005
- 04-383-J Twospotted spider mite population level, distribution, and damage on ivy geranium in response to different nitrogen and phosphorus fertilization regimes
Y. Chen, G. Opit, V.M. Jones, K.A. Williams, J.R. Nechols, D.C. Margolies
J. of Economic Entomology, 100:1821-1830, 2007
- 04-384-J Quantifying western flower thrips (*Frankliniella occidentalis* Pergande) (Thysanoptera: Thripidae) damage on ivy geranium (*Pelargonium peltatum* L.) with Adobe Photoshop and Scion Image software
Y. Chen, K.A. Williams
J. of the Kansas Entomological Society, 79(1):83-87, 2006
- 04-403-S K-State turfgrass research 2004
J. Fry, R. Bauernfeind, D. Bremer, J. Griffin, S. Keeley, L. Leuthold, R. Taylor, N. Tisserat, T. Warner, R. Wolf, K. Su, J. Ham, D. Stuntz, A. Zuk, T. McClellan, Q. Zhang, K. Lowe, N. Tisserat, L.R. Parsons, M. Fagerness
KS Agric. Exp. Stn. Report of Progress 929, June 2004
- 04-435-J Supplemental irrigation at reproductive growth stages to improve popcorn grown at different populations
D.W. Sweeney, C.W. Marr
Agronomy J., 97:741-745, 2005
- 04-438-J Aggressiveness of spring dead spot pathogens to Bermudagrass
F.B. Iriarte, H.C. Wetzel, III, J. Fry, D.L. Martin, P. Vincelli, E.W. Dixon, N.A. Tisserat
International Turfgrass Society Research J., 10:258-264, 2005
- 04-443-J A comparison of a gardening and nutrition program with a standard nutrition program in an out-of-school setting
S.A. Poston, C.A. Shoemaker, D. Dzewaltowski
HortTechnology, 15(3):463-467, 2005
- 05-7-J Quantification of environmental parameters influencing establishment of seeded zoysiagrass in an established stand of perennial ryegrass
A.J. Zuk, D.J. Bremer, J. Fry
International Turfgrass Society Research J., 10:302-309, 2005
- 05-42-J Survival, horizontal distribution, and economics of releasing predatory mites (Acari: Phytoseiidae) using mechanical blowers
G.P. Opit, J.R. Nechols, D.C. Margolies, K.A. Williams
Biological Control, 33:344-351, 2005
- 05-54-J Evaluation of synthetic mulches on the establishment and growth of cottonwood
W.A. Geyer, R.L. Atchison, J. Carlisle
J. of Sustainable Agriculture, 28:145-156, 2006
- 05-80-J An after-school gardening club to promote fruit and vegetable consumption among fourth grade students: The assessment of social cognitive theory constructs
S.A. O'Brien, C.A. Shoemaker
HortTechnology, 16(1):24-29, 2006
- 05-94-J Biomass production in the Central Great Plains USA under various coppice regimes
W.A. Geyer
Biomass and Bioenergy, 30:778-783, 2006
- 05-102-T Equipping for an efficient harvest
W. Reid
Pecan South, 37(8):23-26, 2004
- 05-161-A Black walnut cultivars for nut production
W. Reid, M.V. Coggeshall, K.L. Hunt
Annual Report of the Northern Nut Growers Association, 95:65-77, 2004

- 05-179-J Grass-shrub riparian buffer removal of sediment, phosphorus, and nitrogen from simulated runoff
K.R. Mankin, D.M. Ngandu, C.J. Barden, S.L. Hutchinson, W.A. Geyer
J. of the American Water Resources Association, 43(5):1108-1116, 2007
- 05-210-T Focusing on natives
W. Reid
Pecan South, 37(12):4-8, 2004
- 05-239-J Ball mark repair and creeping bentgrass recovery
J. Fry, T. McClellan, S. Keeley
Applied Turfgrass Science, 2005
Published online,
doi:10.1094/ATS-2005-0801-01-RS
- 05-243-J Weed control in grape after fall and spring application of selected herbicides
S. Kadir, K. Al-Khatib
Weed Technology, 20:74-80, 2005
- 05-253-J Comparison of planting stock for establishing black walnut in central Kansas
W.A. Geyer, F.D. Deneke
Transactions of the Kansas Academy of Science, 108:156-158, 2005
- 05-254-J Bleeding hearts turn yellow: A case study to determine the cause of chlorosis in a crop of cut *Dicentra spectabilis*
M. Spaw, K.A. Williams, L. Hodges, E.T. Paparozzi, I.L. Mallberg
HortTechnology, 18(1):168-176, 2008
- 05-260-J Hardiness of black walnut and pecan cultivars in response to an early hard freeze
A.L. Thomas, W. Reid
J. of the American Pomological Society, 60:90-94, 2006
- 05-261-J Phytochemical phenolics in organically-grown vegetables
J.E. Young, X. Zhao, T. Carey, R. Welte, T. Williams, S-S. Yang, W. Wang
Molecular Nutrition & Food Research, 49:1136-1142, 2005
- 05-270-J Production and economics of native pecan silvopastures
A. Ares, W. Reid, D. Brauer
Agroforestry Systems, 66:205-215, 2006
- 05-280-J Evaluation of calcium silicate for brown patch and dollar spot suppression on turfgrasses
Q. Zhang, J. Fry, K. Lowe, N. Tisserat
Crop Science, 46:1635-1643, 2006
- 05-295-J Does organic production enhance phytochemical content of vegetables and fruit? Current knowledge and prospects for research
X. Zhou, E.E. Carey, W. Wang, C.B. Rajashekar
HortTechnology, 16:449-456, 2006
- 05-306-S K-State turfgrass research 2005
B. Bauernfeind, D. Bremer, J. Fry, J. Griffin, S. Keeley, L. Leuthold, R. Taylor, T. Warner, B. Wolf
KS Agric. Exp. Stn. Report of Progress 946, Aug. 2005
- 05-343-J Suppression of phospholipase D α 1 induces freezing tolerance in *Arabidopsis*: Response of cold-responsive genes and osmolyte accumulation
C.B. Rajashekar, H.-E. Zhou, Y. Zhang, W. Li, X. Wang
J. of Plant Physiology, 163(9):916-926, 2006
- 06-4-J Influence of high tunnel and field conditions on strawberry growth and development
S. Kadir, T. Carey, S. Ennahli
HortScience, 41:329-335, 2006
- 06-6-J Blame it on the weather
W. Reid
Pecan South, 38:4, 10, 2005
- 06-12-J Overhead and drip tube irrigation affects twospotted spider mites (*Teranychus urticae*) and their biological control by the predatory mite *Phytosciulus persimilis* on *Impatiens wallerana*
G.P. Opit, G.K. Fitch, D.C. Margolies, J.R. Nechols, K.A. Williams
HortScience, 41:691-694, 2006
- 06-87-J Development of a strip seeder for converting perennial ryegrass turf to seeded bermudagrass
J. Fry, R. Taylor, R. Wolf, D. Stuntz, A. Zuk
HortTechnology, 17:363-367, 2007
- 06-100-J The concept of authenticity: Implications for interpretation
S.G. Hill, T. Cable
J. of Interpretation Research, 11(1), 2006

- 06-102-T Be prepared for success
W. Reid
Pecan South, 38(9):9-10, 2005
- 06-118-J Comparing chemical and biological control strategies for twospotted spider mites in mixed production of ivy geranium and impatiens
K.M. Holt, G. Opit, J. Nechols, D. Margolies, K. Williams
HortTechnology, 17:322-327, 2007
- 06-169-J Siberian elm seed source performance in Kansas
W.A. Geyer, L. Iriarte, R. Cunningham
Arid Ecosystems, 13:73-79, 2007
- 06-181-J Inhibition of 'Zenith' zoysiagrass seedling emergence and growth by perennial ryegrass leaves and roots
A. Zuk, J. Fry
HortScience, 41:818-821, 2006
- 06-185-T A fresh look at native tree spacing
W. Reid
Pecan South, 38(12):4-6, 2005
- 06-190-J A guide to establishing seeded zoysiagrass in the transition zone
A. Patton, Z. Reicher, A. Zuk, J. Fry, M. Richardson, D. Williams
Applied Turfgrass Science, 2006
Published online,
doi:10.1094/ATS-2006-1004-01-MG
- 06-229-J Making syrup from black walnut sap
G.G. Naughton, W.A. Geyer, E.C. Chambers, IV
Transactions of the Kansas Academy of Science, 109:214-220, 2006
- 06-259-J The growing growers training program: An apprenticeship program for market gardeners serving Kansas City
E. Carey, K. Kelly, M. Hendrickson, D. Nagengast, J. Quinn, C. Volland, L. Kumar
HortTechnology, 16:439-443, 2006
- 06-260-J Performance in the transition zone of two hybrid bluegrasses compared with Kentucky bluegrass and tall fescue
D.J. Bremer, K. Su, S.J. Keeley, J.D. Fry
Applied Turfgrass Science, 2007
Published online,
doi:10.1094/ATS-2006-0808-02-RS
- 06-337-S K-State turfgrass research 2006
D. Bremer, K. Su, S. Keeley, J. Fry, R. Jeannotte, R. Welti, M. Engelke, D. Genovesi, C. Rajashekar, H. Lee, L.R. Parsons, Q. Zhang
KS Agric. Exp. Stn. Report of Progress 962, Aug. 2006
- 07-30-J Consumer sensory analysis of organically and conventionally grown vegetables
X. Zhao, E. Chambers, IV, Z. Matta, T.M. Loughin, E.E. Carey
J. of Food Science, 72(2):s87-s91, 2007
- 07-37-T Regenerating native groves
W. Reid
Pecan South, 39(3):4-6, 2006
- 07-38-T Pecans and cattle
W. Reid
Pecan South, 39(6):8-9, 2006
- 07-47-J Growth and carbon metabolism of tall fescue and zoysiagrass as affected by deficit irrigation
J. Fu, J. Fry, B. Huang
HortScience, 42:378-381, 2007
- 07-69-J Rocky mountain juniper seed source test in western Kansas
W.A. Geyer, K.D. Lynch, C.J. Barden
Arboriculture & Urban Forestry, 33:325-329, 2007
- 07-78-J Influences of organic fertilization, high tunnel environment, and postharvest storage on phenolic compounds in lettuce
X. Zhao, J.E. Young, W. Wang, T. Iwamoto, E.E. Carey
HortScience, 42:71-76, 2007
- 07-103-J Growth, yield, fruit composition of 24 wine and table grape cultivars and selections
S. Kadir, S. Ennahli, J. Griffin, R. Ryer, M. Shelton
International J. of Fruit Science, 7(2):17-30, 2007
- 07-136-J Biomass and wood properties of young silver maple clones
W.A. Geyer, C. Barden, J.E. Preece
Wood and Fiber Science, 40:23-28, 2008
- 07-185-J Effects of high temperature and drought on a hybrid bluegrass compared with Kentucky bluegrass and tall fescue
K. Su, D.J. Bremer, S.J. Keeley, J.D. Fry
Crop Science, 47:2152-2161, 2007

- 07-191-J Photochemical efficiency and recovery of photosystem II in grapes after exposure to sudden and gradual heat stress
S. Kadir, M. von Weihe, K. Al-Khatib
J. of the American Society for Horticulture Science, 132:751-882, 2007
- 07-219-J Tall fescue rooting as affected by deficit irrigation
J. Fu, J. Fry, B. Huang
HortScience, 42:688-671, 2007
- 07-221-A Management implications for a poplar phytoremediation plantation
L.E. Christianson, S.L. Hutchinson, G.A. Clark, C.J. Barden
Proceedings of the ASABE Annual International Conference
Minneapolis, MN, 2007, Paper No. 077098
- 07-245-J Soils and native tree response to drought
W. Reid
Pecan South, 40:20-22, 2007
- 07-309-J Ecological and epidemiological concepts in R: Disease progress over time
A.H. Sparks, P.D. Esker, M.B. Bates, W. Dall'Acqua, Z. Guo, V. Segovia, S.D. Silwal, S. Tolos, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-02
- 07-314-J Ecology and epidemiology in R: Modeling dispersal gradients
P.D. Esker, A.H. Sparks, M. Bates, W. Dall'Acqua, E. Frank, L. Huebel, V. Segovia, K. Garrett
The Plant Health Instructor, 2007
Published online,
doi:10.1094/PHI-A-2007-1226-03
- 08-20-S K-State turfgrass research 2007
H. Lee, D. Bremer, K. Su, J. Fry, S. Keeley, R. St. John, L.R. Parsons, M. Kennelly, A. Zuk, J. Lewis, Q. Zhang, M. Engelke, D. Genovesi, C. Rajashekar, X. Pan, T. Goldsby
KS Agric. Exp. Stn. Report of Progress 981, Aug. 2007
- 08-37-J A guide to establishing seeded bermudagrass in the transition zone
A.J. Patton, M.D. Richardson, D.E. Karcher, J.W. Boyd, A.J. Reicheer, J.D. Fry, J.S. McElroy, G.C. Munshaw, D.W. Williams
Applied Turfgrass Science, 2008
Published online,
doi:10.1094/ATS-2008-0122-01-MD
- 08-44-J Ginseng and goldenseal trials in eastern Kansas
W.A. Geyer, R. Janke, C.J. Barden, E. Carey
Transactions of the Kansas Academy of Science, 111:147-152, 2008
- 08-179-J 'Lakota' pecan
T.E. Thompson, L.J. Grauke, W. Reid
HortScience, 43:250-251, 2008
- 08-180-T Sharpen your chainsaw technique
W. Reid
Pecan South, 40(10):8-10, 2007
- 08-181-T 'Lakota': Trial cultivar for all pecan growing areas
T.E. Thompson, L.J. Grauke, W. Reid
Pecan South, 40(6):13-15, 2007
- 08-183-J Quantifying the effects of lance nematode parasitism in creeping bentgrass
D.M. Settle, J.D. Fry, G.A. Milliken, N.A. Tisserat, T.C. Todd
Plant Disease, 91:1170-1179, 2007
- 08-320-T Lessons learned from the '07 Easter freeze
W. Reid
Pecan South, 41(2):10-11, 2008
- 08-348-T Zoysiagrass: Economic and environmental sense in the transition zone
J. Fry, M. Kennelly, R. St. John
Golf Course Management, May 2008, 127-132
- 08-352-S K-State turfgrass research 2008
D. Bremer, S. Keeley, J. Fry, J. Lewis, D. Okeyo, M. Engelke, D. Genovesi, T. Goldsby, R. St. John, J. Deusterhaus, J. Ham, M. Kennelly, B. Gonzalez, L.R. Parsons, R. Dremsa
KS Agric. Exp. Stn. Report of Progress 998, July 2008
- Publications without contribution numbers
- Curriculum development for organic horticulture: Introduction
M. Ngouajio, K. Delate, E. Carey, A.N. Azarenko, J.J. Ferguson, W.J. Sciarappa
HortTechnology, 16:414-417, 2006
- Antioxidant capacity of leafy vegetables as affected by high tunnel environment, fertilisation and growth stage
X. Zhao, T. Iwamoto, E. Carey
J. of the Science of Food and Agriculture, 87:2692-2699, 2007

Hospitality Management and Dietetics

- 01-99-J Evaluating career values of dietetic students: A model for other allied health professions
V. Suarez, C. Shanklin
J. of Allied Health, 33(1):51-54, 2004
- 03-17-J An assessment of self-selected versus instructor-assigned teams in an introductory tourism course
K. Wolfe, K-E. Lee, C-M.E. Wu, R. Gould
J. of Teaching in Travel & Tourism, 3(3):1-18, 2003
- 03-21-J Factors affecting food choices of men in production agriculture in Kansas
T.S. Rundus, B. Barrett
J. of Extension, 41(6):6RIB4, 2003
- 04-173-J Using focus groups to determine attributes that influence the evaluation of quality food and service quality in continuing care retirement communities
S. Seo, C.W. Shanklin
J. of Foodservice Business Research, 8(1):35-52, 2006
- 05-311-J Semi-quantitative evaluation of protein residues in foods using the FLASH rapid cleaning validation method
D.A. Olds, D.Y.C. Fung, C.W. Shanklin
J. of Rapid Methods and Automation in Microbiology, 13(3):135-147, 2005
- 06-35-J Drives for behavioral intentions in dining services: Frequent users vs. occasional users
S. Seo, C.W. Shanklin
J. of Foodservice Business Research, 10(4):79-101, 2008
- 06-36-J Important food and service quality attributes of dining service in continuing care retirement communities
S.H. Seo, C.W. Shanklin
J. of Foodservice Business Research, 8(4):69-86, 2006
- 06-37-J Hospitality management students' knowledge and attitudes about the elderly and their preferences in working with or for the elderly
S.H. Seo, M.H. Cha, C.W. Shanklin
J. of Hospitality and Tourism Education, 18(1):21-32, 2006

- 06-91-J Food security practice in Kansas schools and healthcare facilities
E. Yoon, C.W. Shanklin
J. of the American Dietetic Association, 107(2):325-329, 2007

Human Nutrition

- 99-186-J Multiple preference tests can provide more information on consumer preferences
K. Wilke, C-Y. Cochrane, E. Chambers, IV
J. of Sensory Studies, 21:612-625, 2006
- 01-33-J A new portion size estimation aid for wedge-shaped foods
E. Chambers, IV, S. Godwin, L. Cleveland, L. Ingwersen
J. of the American Dietetic Association, 106:1246-1250, 2006
- 01-258-J Nutrition education displays for younger and older adults
D.H. Chambers, M. Higgins, C. Roeger, A.-M. Allison, E. Chambers, IV
Health Education, 104(1):45-54, 2004
- 02-232-J Training effects on performance of descriptive panelists
D.H. Chambers, A-M.A. Allison, E. Chambers, IV
J. of Sensory Studies, 19:486-499, 2004
- 02-294-J Accuracy of reporting dietary intake using various portion-size aids in-person and via telephone
S. Godwin, E. Chambers, IV, L. Cleveland
J. of the American Dietetic Association, 104:585-594, 2004
- 02-423-J Common and specific effects of fine fragrances on the mood of women
A.N. Retiveau, E. Chambers, IV, G.A. Milliken
J. of Sensory Studies, 19:373-394, 2004
- 03-124-J Estimation of portion sizes by elderly respondents
S. Godwin, E. Chambers, IV
Family Economics and Nutrition Reviews, 15(1):58-66, 2003
- 03-158-J Egg sphingomyelin lowers the lymphatic absorption of cholesterol and α -tocopherol in rats
S.K. Noh, S.I. Koo
J. of Nutrition, 133:3571-3576, 2003

- 03-169-J Influence of dietary L-carnitine and (or) chromium picolinate on blood hormones and metabolites of gestating sows fed one meal per day
J.C. Woodworth, M.D. Tokach, J.L. Nelssen, R.D. Goodband, S.S. Dritz, S.I. Koo, J.E. Minton, K.Q. Owen
J. of Animal Science, 85:2524-2537, 2007
- 03-207-J Developing a lexicon for the flavor description of French cheeses
A. Retiveau, D.H. Chambers, E. Esteve
J. of Food Quality and Preference, 16:517-727, 2005
- 03-288-J Sensory characteristics of chemical compounds potentially associated with beany aroma in foods
S. Vara-ubol, E. Chambers, IV, D.H. Chambers
J. of Sensory Studies, 19:15-26, 2004
- 03-328-J Consumption of carotenoid-rich foods and central vision loss: A matched case-control study in Kansas
C.A. Holcomb
J. of Nutrition for the Elderly, 24(1):1-18, 2004
- 03-341-J Dietary L-carnitine increases plasma leptin concentrations of gestating sows fed one meal per day
J.C. Woodworth, J.E. Minton, M.D. Tokach, J.L. Nelssen, R.D. Goodband, S.S. Dritz, S.I. Koo, K.Q. Owen
Domestic Animal Endocrinology, 26(1):1-9, 2004
- 04-038-J Geographic variation in the prevalence of macular disease among elderly Medicare beneficiaries in Kansas
C.A. Holcomb, M-C. Lin
American J. of Public Health, 95(1):75-77, 2005
- 04-355-J Lignans are involved in the antitumor activity of wheat bran in colon cancer SW480 cells
H. Qu, R.L. Madl, D.J. Takemoto, W. Wang, R. Baybutt
Nutrition and Cancer, 135:598-602, 2005
- 04-270-J Type II pneumocytes modulate surfactant production in response to cigarette smoke constituents: Restoration by vitamins A and E
Y. Xue, T.L. Williams, T. Li, J. Umbehr, S. Reppert, W. Wang, R.C. Baybutt
Toxicology In Vitro, 19:1061-1069, 2005
- 04-288-J Mitochondrial membrane potential is reduced in copper-deficient C2C12 cells in the absence of apoptosis
X. Chen, D.M. Mederios, D. Jennings
Biological Trace Element Research, 106:51-63, 2005
- 04-302-J Predicting interstimulus intervals in sensory testing between samples for capsaicin-containing salsa with a range of heat levels
K.J. Dowell, E. Chambers, IV, G. Milliken, D.H. Chambers
J. of Sensory Studies, 20:187-199, 2005
- 04-312-J Physical activity minimizes the association of body fatness with abdominal obesity in white, premenopausal women: Results from the Third National Health and Nutrition Examination Survey
C.A. Holcomb, D.L. Heim, T.M. Loughin
J. of the American Dietetic Association, 104:1859-1862, 2004
- 04-327-J Survey of herbal usage by Kansas and Wisconsin WIC participants reveals moderate, appropriate usage and identifies herbal education needs
B. Lohse, J.L. Stotts, J. Priebe
J. of the American Dietetic Association, 106:227-237, 2005
- 04-337-J Calcium-fortified beverage supplementation on body composition in postmenopausal women
M.D. Haub, T. Simons, C.M. Cook, V.M. Remig, E. Al-Tamimi, C.A. Holcomb
Nutrition J., 4:21, 2005
Published online,
doi:10.1186/1475-2891-4-21
- 04-343-J New 2-D graphical representation of DNA sequences
J. Wang, W. Wang
J. of BioPhysical Reviews and Letters, 1:143-150, 2006
- 04-344-J Commentary: Conducting sensory research with children
E. Chambers, IV
J. of Sensory Studies, 20:90-92, 2005

- 04-354-J Effects of dietary calorie restriction or exercise on the P13K and ras signaling pathways in the skin of mice
L. Xie, Y. Jiang, P. Ouyang, J. Chen, H. Doan, B. Herndon, J.E. Sylvester, K. Zhang, A. Molteni, M. Reichle, R. Zhang, M.D. Haub, R.C. Baybutt, W. Wang
J. of Biological Chemistry, 282:28025-28035, 2007
- 04-375-J Theory-driven n-3 polyunsaturated fatty acid education delivered by written correspondence and problem-based approaches
B. Lohse, K.J. Shafer
Nutrition Research, 25:755-770, 2005
- 04-412-J Phytochemical farming: A new age in food, nutrition, and agriculture
J.E. Young, W. Wang
Agro Food Industry Hi-Tech, 15:38-39, 2004
- 04-429-J Different gene expression of skin tissues between mice with weight controlled by either calorie restriction or physical exercise
J. Lu, L. Xie, J. Sylvester, J. Wang, J. Bai, R. Baybutt, W. Wang
Experimental Biology and Medicine, 232:473-480, 2007
- 05-50-J Perception of pork patties with shiitake (*Lentinus edode P.*) mushroom powder and sodium tripolyphosphate as measured by Korean and United States consumers
S. Chun, E. Chambers, IV, D.H. Chambers
J. of Sensory Studies, 20:156-166, 2005
- 05-51-J Dysphagia management: Current practices involving thickened liquids
J.M. Garcia, E. Chambers, IV, M. Molander
American J. of Speech-Language Pathology, 14:4-13, 2005
- 05-52-B Consumer testing in Thailand
V. Lotong, E. Chambers, IV, C. Oupadissakoon
In: Cross-cultural consumer research, A. Munoz, S. King (Eds.). Conshohocken, PA: ASTM International, pp. 1-10, 2007
- 05-53-J Viscosity measurements of nectar and honey-thick liquids
J.M. Garcia, E. Chambers, IV, M. McElroy, Z. Matta
Dysphagia, 20:325-335, 2005
- 05-123-J Serving temperature effects on milk flavor, milk aftertaste, and volatile compound quantification in nonfat and whole milk
L.L. Francis, S.H. Kong, D.H. Chambers, G.A. Milliken, I.J. Jeon, K.A. Schmidt
J. of Food Science, 70:s413-418, 2005
- 05-152-J The molecular basis of plant gene expression during aphid invasion: Wheat *Pto*- and *Pti*-like sequences modulate aphid-wheat interactions
E.V. Boyko, C.M. Smith, T. Vankatappa, J. Bruno, Y. Deng, S.R. Starkey, D. Klaahsen
J. of Economic Entomology, 99:1430-1445, 2006
- 05-193-J Effects of total iron, myoglobin, hemoglobin, unsaturated fatty acids, and lipid oxidation of uncooked muscles on livery flavor development, and volatiles of cooked beef steaks
E.J. Yancey, J.P. Grobbel, M.E. Dikeman, J.S. Smith, K.A. Hachmeister, E. Chambers, IV, P. Gadgil, G.A. Milliken, E.A. Dressler
Meat Science, 73:680-686, 2006
- 05-261-J Phytochemical phenolics in organically-grown vegetables
J.E. Young, X. Zhao, T. Carey, R. Welti, T. Williams, S-S. Yang, W. Wang
Molecular Nutrition & Food Research, 49:1136-1142, 2005
- 05-295-J Does organic production enhance phytochemical content of vegetables and fruit? Current knowledge and prospects for research
X. Zhou, E.E. Carey, W. Wang, C.B. Rajashekar
HortTechnology, 16:449-456, 2006
- 05-313-J Marginal copper intakes over a protracted time period in genetically and non-genetically susceptible heart disease rodents disturbs electrocardiograms and enhances lipid deposition
D.M. Medeiros, L.J. Shiry, S.A. McCune
Nutrition Research, 25:663-672, 2005
- 05-314-J Marginal iron restriction negatively impacts bone
M. Parelman, B. Stoecker, A. Baker, D.M. Medeiros
J. of Bone Mineral Research, 231:378-386, 2006

- 05-315-A A comparison of consumer refrigeration knowledge and practice by a self-reported food safety category
S.L. Godwin, R.J. Coppings, E. Chambers, IV
AEA/ARD Joint Conference
New Orleans, LA, 2005
- 05-316-B Sensory analysis of frozen foods
E. Chambers, IV, S. McGraw, K. Smiley
In: Handbook of frozen food processing and packaging, D.W. Sun (Ed.). New York: Marcel-Dekker, pp. 561-576, 2005
- 05-317-J Sensory characteristics of beverages prepared with commercial thickeners for dysphagia diets
Z. Matta, E. Chambers, IV, J.M. Garcia, J. McGowan
J. of the American Dietetic Association, 106:1049-1054, 2006
- 05-318-J Number of consumers necessary for sensory acceptability tests
G. Hough, I. Wakeling, A. Mucci, E. Chambers, IV, I.M. Gallardo, L.R. Alves
Food Quality and Preference, 17:522-526, 2006
- 05-319-A Current brand equity for national, regional, and private label brands for two foods and one paper product
C. Bacco, E. Chambers, IV
Proceedings of the 5th International Conference on Culinary Arts and Sciences
Warsaw, Poland, 2005, pp. 418-427
- 05-320-A Flavor description and classification of selected natural cheeses
D.H. Chambers, E. Chambers, IV, D. Johnson
Proceedings of the 5th International Conference on Culinary Arts and Sciences
Warsaw, Poland, 2005, pp. 641-654
- 06-15-J Effects of oral administration of sodium citrate or acetate to pigs on blood parameters, postmortem glycolysis, muscle pH decline, and quality attributes of pork
J.W. Stephens, M.E. Dikeman, A.J. Unruh, M.D. Haub, M.D. Tokach, S.S. Dritz
J. of Animal Science, 86:1669-1677, 2008
- 06-16-J Effects of pre-rigor injection of sodium citrate or acetate, or post-rigor injection of phosphate plus salt, on post mortem glycolysis, pH decline, and pork quality attributes
J.W. Stephens, M.E. Dikeman, A.J. Unruh, M.D. Haub, M.D. Tokach
Meat Science, 74:727-737, 2006
- 06-63-S Swine research 2005
S.K. Linneen, J.M. Benz, S.S. Dritz, J.M. DeRouchey, R.D. Goodband, M.D. Tokach, R.R.R. Rowland, J. Nietfeld, A.B. Brazle, B.J. Johnson, E.C. Titgemeyer, S.K. Webel, D.L. Davis, K.R. Brown, J.L. Nelssen, N.Z. Frantz, R.O. Gottlob, C.N. Groesbeck, C.W. Hastad, C.R. Neill, J.D. Schneider, M.G. Young, J.C. Woodworth, E.J. Minton, T.E. Burkey, B.M. Hildabrand, K.A. Skjolaas-Wilson, J. Bergstrom, E.E. Carney, J.L. Usry, G. Andrews, C.K. Benz, J.W. Stephens, M.E. Dikeman, J.A. Unruh, M.D. Haub
KS Agric. Exp. Stn. Report of Progress 964, Nov. 2005
- 06-146-J Sensory characteristics of combinations of chemicals potentially associated with beany aroma in foods
L. Bott, E. Chambers, IV
J. of Sensory Studies, 21:308-321, 2006
- 06-199-J Enhancing lignan biosynthesis by overexpressing pinorensinol larciresinol reductase in transgenic wheat
A. Ayella, H. Trick, W. Wang
Molecular Nutrition & Food Research, 51:1518-1526, 2007
- 06-229-J Making syrup from black walnut sap
G.G. Naughton, W.A. Geyer, E.C. Chambers, IV
Transactions of the Kansas Academy of Science, 109:214-220, 2006
- 07-30-J Consumer sensory analysis of organically and conventionally grown vegetables
X. Zhao, E. Chambers, IV, Z. Matta, T.M. Loughin, E.E. Carey
J. of Food Science, 72(2):s87-s91, 2007
- 07-55-J Determination of the sensory characteristics of rose apples cultivated in Thailand
S. Vara-ubol, E. Chambers, IV, V. Kongpensook, C. Oupadissakoon, R. Yenket, A. Retiveau
J. of Food Science, 71(7):547-552, 2006

- 07-57-J Differential expression of genes involved with apoptosis, cell cycle, connective tissue proteins, fuel substrate utilization, inflammation, and mitochondrial biogenesis in copper-deficient rat hearts: Implication of a role for Nfkb1
K. Ricklefs, D. Klaahsen, D.M. Medeiros
J. of Nutritional Biochemistry, 18:719-726, 2007
- 07-58-J A lexicon for green odor and characteristics of chemicals associated with green odor in foods
P. Hongsoongnern, E. Chambers, IV
J. of Sensory Studies, 23:205-221, 2008
- 07-77-B Wheat lignans: Promising cancer preventive agents
W. Wang, A. Ayella, H. Trick, H. Qu
In: *Wheat antioxidants*, L. Yu (Ed.). Hoboken, NJ: John Wiley & Sons, Inc., pp. 264-272, 2008
- 07-78-J Influences of organic fertilization, high tunnel environment, and postharvest storage on phenolic compounds in lettuce
X. Zhao, J.E. Young, W. Wang, T. Iwamoto, E.E. Carey
HortScience, 42:71-76, 2007
- 07-147-J Feeding enriched omega-3 fatty acid beef to rats increases omega-3 fatty acid content of heart and liver membranes and decreases serum vascular cell adhesion molecule-1 and cholesterol levels
D.M. Medeiros, M. Hampton, K. Kurtzer, M. Parelman, E. El-Tamimi, J.S. Drouillard
Nutrition Research, 27:295-299, 2007
- 07-248-J Precooked bran-enriched wheat flour using extrusion: Dietary fiber profile and sensory characteristics
H. Gajula, S. Alavi, K. Adhikari, T.J. Herald
J. of Food Science, 73(4):S173-S179, 2008
- 07-274-J Color has little effect on perception of fabric handfeel tactile properties in cotton fabric
R. Yenket, E. Chambers, IV, B.M. Gatewood
J. of Sensory Studies, 22:336-352, 2007
- 08-10-J KNACK online: An evidence-based website developed to address adolescent obesity
T. Kidd, E. Johannes, L. Simonson, D. Medeiros
J. of Nutrition Education and Behavior, 40:189-190, 2008
- 08-25-J Exploring factors that influence the food behaviors of junior enlisted Army family members
T. Kidd, P.K. Peters, C.A. Holcomb
J. of Hunger and Environmental Nutrition, 2(2/3):129-141, 2007
- 08-95-J Repeated testing and rinsing regimens for toothpastes with various cooling and burn intensities: Impact on discrimination and repeatability
A. Allison, E. Chambers, IV, D. Chambers
J. of Sensory Studies, 22:695-712, 2007
- 08-97-A Green tea flavor description: A focus on differences in green and brown flavor notes
J. Lee, D. Chambers, E. Chambers, IV
Proceedings: New Trends in Sensory Evaluation of Food and Non-Food Products, D. Valentin, D.Z. Nguyen, L. Pelletie (Eds.). HoChiMinh City Publishing House, 2007, pp. 75-84
- Publications without contribution numbers
- Molecular cloning and characterization of three β -defensins from canine testis
Y. Sang, M.T. Ortega, F. Blecha, O. Prakash, T. Melgarejo
Infection and Immunity, 73(5):2611-2620, 2005
- Innate immunity and inflammation: New frontiers in comparative cardiovascular pathology
A. Linde, D. Mosier, F. Blecha, T. Melgarejo
Cardiovascular Research, 73(1):26-36, 2007
- Toll-like receptor (TLR) 2 and TLR4 gene expression in canine heart
A. Linde, F. Blecha, T. Melgarejo
American J. of Animal and Veterinary Sciences, 2(1):6-10, 2007
- Canine cathelicidin (K9CATH): Gene cloning, expression, and biochemical activity of a novel pro-myeloid antimicrobial peptide
Y. Sang, M.T. Ortega, K. Rune, W. Xiau, G. Zhang, J.L. Soulages, G.H. Lushington, K. Fang, T.D. Williams, F. Blecha, T. Melgarejo
Developmental and Comparative Immunology, 31(12):1278-1296, 2007

Innate immunity and host defense peptides in veterinary medicine
A. Linde, C. Ross, E.G. Davis, L. Dib, F. Blecha, T. Melgarejo
J. of Veterinary Internal Medicine, 22(2):247-265, 2008

Math

07-309-J Ecological and epidemiological concepts in R: Disease progress over time
A.H. Sparks, P.D. Esker, M.B. Bates, W. Dall'Acqua, Z. Guo, V. Segovia, S.D. Silwal, S. Tolos, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-02

07-314-J Ecology and epidemiology in R: Modeling dispersal gradients
P.D. Esker, A.H. Sparks, M. Bates, W. Dall'Acqua, E. Frank, L. Huebel, V. Segovia, K. Garrett
The Plant Health Instructor, 2007
Published online,
doi:10.1094/PHI-A-2007-1226-03

08-99-J Ecology and epidemiology in R: Introduction to spatial analysis
A.H. Sparks, P.D. Esker, G. Antony, L. Campbell, E.E. Frank, L. Huebel, M. Rouse, B. Van Allen, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-01

08-100-J Ecology and epidemiology in R: Disease forecasting
P.D. Esker, A.H. Sparks, L. Campbell, Z. Guo, M. Rouse, S.D. Silwal, S. Tolos, B. Van Allen, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-03

Plant Pathology

96-160-B Microbial interactions preventing fungal growth on senescent and necrotic aerial plant surfaces
W.F. Pfender
In: Microbiology and aerial plant surface, C.E. Morris, P.C. Nicot, C. Nguyen-The (Eds.). New York: Plenum Press, 125-138, 1996

97-110-J Kansas rust-resistant sweet corn populations A and B
S.H. Hulbert, G. Hu, J.A. Drake
HortScience, 32:1130-1131, 1997

98-244-J Identification and physical mapping of three *Haynaldia villosa* chromosome-6V deletion lines
L. Qi, S. Wang, P. Chen, D. Liu, B.S. Gill
Theoretical and Applied Genetics, 97:1042-1046, 1998

98-359-J A high-density genetic linkage map of *Aegilops tauschii*, the D-genome progenitor of bread wheat
E. Boyko, K.S. Gill, L. Mickelson-Young, S. Nasuda, W.J. Raupp, J.S. Ziegler, D.S. Hassawi, A.K. Fritz, D. Namuth, N.L.V. Lapitan, B.S. Gill
Theoretical and Applied Genetics, 99:16-26, 1999

98-486-J Candidate gene analysis of quantitative disease resistance in wheat
J.D. Faris, W.L. Li, D.J. Liu, P.D. Chen, B.S. Gill
Theoretical and Applied Genetics, 98:219-225, 1999

99-113-J Homoeologous relationships of *Haynaldia villosa* chromosomes with those of *Triticum aestivum* as revealed by RFLP analysis
L.L. Qi, P.D. Chen, D.J. Liu, B.S. Gill
J. of Heredity, 74:77-82, 1999

00-24-J Saturation mapping of a gene-rich recombination hot spot region in wheat
J. Faris, K.M. Haen, B.S. Gill
Genetics, 154:823-835, 2000

00-85-J Spring dead spot resistance and visual quality of seeded common Bermudagrasses under differential mowing heights
D.L. Martin, G.E. Ball, J.H. Baird, C.M. Taliaferro, N.A. Tisserat, R.M. Kuzmic, D.D. Dobson, J.A. Anderson
Crop Science, 41:451-456, 2001

00-108-J Inheritance of resistance to *Sporisorium sorghi* in grain sorghum
H. Nzioki, L.E. Claflin, P. Bramel-Cox, B. Ramundo
Plant Disease, 42:47-50, 2001

00-363-J Prospects for understanding avirulence gene function
F.F. White, B. Yang, L.B. Johnson
Current Opinion in Plant Biology, 3(4):291-298, 2000

- 00-388-B Hygiene (including destruction of crop remains)
W.W. Bockus
In: Encyclopedia of pest management, D. Pimentel (Ed.). Taylor & Francis, 2002
Published online,
doi:10.1081/E-EPM-100001000
- 00-419-J The Type III virulence factor AvrXa7 from *Xanthomonas oryzae* pv. *oryzae* is a nuclear-localized DNA-binding protein
B. Yang, W. Zhu, L.B. Johnson, F.F. White
Proceedings of the National Academy of Sciences (USA), 97:9807-9812, 2000
- 01-94-J Partial sequencing and characterization of a cDNA library of *Fusarium* head blight-infected wheat spikes
J.P. Feller, W. Li, K. Hill-Ambroz, Z. Matthews, B.S. Gill
Molecular Plant-Microbe Interactions, 46(S1):S15-S26, 2006
- 01-134-J Evidence for Pythium as a chronic yield reducer in continuous grain sorghum
M.A. Davis, W.W. Bockus
Plant Disease, 85:780-784, 2001
- 01-159-J Molecular characterization of the maize *Rp1-D* rust resistance haplotype and its mutants
Q. Sun, N. Collins, M. Ayliffe, S. Smith, J. Drake, T. Pryor, S. Hulbert
The Plant Cell, 11:1365-1376, 1999
- 01-202-J High-density physical maps reveal that the dominant male-sterile gene *Ms3* is located in a genomic region of low recombination in wheat and is not amenable to map-based cloning
L.L. Qi, B.S. Gill
Theoretical and Applied Genetics, 103:998-1006, 2001
- 01-215-J An RGA-like marker assays all known *Lr21* leaf rust resistance gene family members in *Aegilops tauschii* and wheat
L. Huang, B.S. Gill
Theoretical and Applied Genetics, 103:1007-1013, 2001
- 01-232-J Senescence and yield characteristics associated with tolerance of wheat-alien amphiploids to high temperature during maturation
J. Yang, R.G. Sears, B.S. Gill, G.M. Paulsen
Euphytica, 126:185-193, 2002
- 01-394-J Spring dead spot resistance of inter-specific hybrid Bermudagrass
D.L. Martin, G.E. Bell, C.M. Taliaferro, N.A. Tisserat, J.H. Baird, D.D. Dobson, R.M. Kuzmic, J.A. Anderson
International Turfgrass Society Research J., 9:685-688, 2001
- 01-439-J Effect of placement of inoculum of *Gaeumannomyces graminis* var. *tritici* on severity of take-all in winter wheat
M. Kabbage, W.W. Bockus
Plant Disease, 86:298-303, 2002
- 02-78-J A high-density cytogenetic map of the *Aegilops tauschii* genome incorporating retrotransposons and defense related genes: Insights into cereal chromosome structure and function
E. Boyko, R. Kalendar, V. Korzun, J. Fellers, A. Korol, A.H. Schulman, B.S. Gill
Plant Molecular Biology, 48:767-790, 2002
- 02-87-J Co-linearity of the *SH2/A1* region among rice, sorghum, and maize is interrupted and accompanied by genome expansion in the Triticeae
W. Li, B.S. Gill
Genetics, 160:1153-1162, 2002
- 02-184-J De novo origin of an apparent B chromosome in the progeny of an aneuploid plant
M.K. Dhar, B. Friebe, A.K. Koul, B.S. Gill
Chromosoma, 111:332-340, 2002
- 02-190-J Analysis of 106kb of contiguous DNA sequence from the D genome of wheat reveals high gene density and a complex arrangement of genes related to disease resistance
S. Brooks, L. Huang, B.S. Gill, J.P. Fellers
Genome Research, 45:963-972, 2002
- 02-207-A Reaction of selected winter wheat accessions to *Fusarium* head blight, 2001
M.A. Davis, W.W. Bockus, R.L. Bowden
Biological and Cultural Tests (APS), Report 17:S05, 2002
Published online, doi:10.1094/BC17
- 02-208-A Evaluation of foliar fungicides on winter wheat for control of tan spot
W.W. Bockus
Fungicide and Nematicide Tests (APS), Report 57:CF07, 2002
Published online, doi:10.1094/FN57

- 02-209-A Influence of seed treatment fungicide on common bunt of winter wheat, 2001
W.W. Bockus, M.A. Davis
Fungicide and Nematicide Tests (APS), Report 57:ST20, 2002
Published online, doi:10.1094/FN57
- 02-210-A Influence of seed treatment fungicide on Pythium seed and root rot of winter wheat, 2001
W.W. Bockus
Fungicide and Nematicide Tests (APS), Report 57:ST22, 2002
Published online, doi:10.1094/FN57
- 02-211-A Reaction of selected Kansas winter wheat accessions to Fusarium head blight, 2001
W.W. Bockus, B.G. Jedlicka, R.L. Bowden
Biological and Cultural Tests (APS), Report 17:S02, 2002
Published online, doi:10.1094/BC17
- 02-212-A Reaction of selected winter wheat cultivars to tan spot, 2001
W.W. Bockus, M.A. Davis
Biological and Cultural Tests (APS), Report 17:S03, 2002
Published online, doi:10.1094/BC17
- 02-241-J Managing for fine-scale differences in inoculum load: Seeding patterns to minimize wheat yield loss to take-all
K.A. Garrett, M. Kabbage, W.W. Bockus
Precision Agriculture, 5:291-301, 2004
- 02-259-J Mapping of a resistance gene effective against diverse isolates of the Karnal bunt pathogen of wheat
S. Singh, G.L. Brown-Guedira, T.S. Grewal, H.S. Dhaliwal, J.C. Nelson, H. Singh, B.S. Gill
Theoretical and Applied Genetics, 106:287-292, 2003
- 02-281-J Physical and genetic mapping of wheat kinase analogs and NBS-LRR resistance gene analogs
L. Maleki, J.D. Faris, R.L. Bowden, B.S. Gill, J.P. Fellers
Crop Science, 43:660-670, 2003
- 02-339-J Molecular characterization of a set of wheat deletion stocks for use in chromosome bin mapping of ESTs
L.L. Qi, B. Echaliier, B. Friebe, B.S. Gill
Functional & Integrative Genomics, 3:39-55, 2003
- 02-374-J Dollar spot and brown patch incidence in creeping bentgrass as affected by acibenzolar-S-methyl and biostimulants
J. Lee, J. Fry, N. Tisserat
HortScience, 38:1223-1226, 2003
- 02-377-J Variation in the distribution of a genome-specific DNA sequence on chromosomes reveals evolutionary relationship in the *Triticum* and *Aegilops* complex
P. Zhang, B. Friebe, B. Gill
Plant Systems Evolution, 2235:169-179, 2002
- 02-416-J Density-dependent multiplication and survival rates in *Heterodera glycines*
T.C. Todd, J.H. Long, Jr., T.R. Oakley
J. of Nematology, 35:98-103, 2003
- 02-479-J Development and mapping of markers linked to the rice bacterial leaf blight resistance gene *Xa7*
B.W. Porter, J.M. Chittoor, M. Yano, T. Sasaki, F.F. White
Theoretical and Applied Genetics, 1484-1492, 2003
- 02-495-J Double-stranded RNAs associated with *Fusarium proliferatum* mitochondria
L.A. Heaton, J.F. Leslie
Mycological Progress, 3:193-198, 2004
- 03-16-D Annual wheat newsletter, Vol. 48
W.J. Raupp
Plant Pathology Department Report, 2002, 338 pp.
(available only from department)
- 03-20-J *Gibberella sacchara*: The teleomorph of *Fusarium sacchari*
J.F. Leslie, B.A. Summerell, S. Bullock, F.J. Doe
Sydowia, 97:718-724, 2005
- 03-28-J Characterization of a knock-out mutation at the Gc2 locus in wheat
B. Friebe, P. Zhang, S. Nasuda, B. Gill
Chromosome Research, 111:509-517, 2003
- 03-37-J A strategy for enhancing recombination in proximal regions of chromosomes
L.L. Qi, B. Friebe, B.S. Gill
Chromosome Research, 10:645-654, 2002

- 03-61-J Toxicity, pathogenicity and genetic differentiation of five species of *Fusarium* from sorghum and millet
J.F. Leslie, K.A. Zeller, C. Lamprecht, J.P. Rheeder, W.F.O. Marasas
Phytopathology, 95:275-283, 2005
- 03-134-J Identification of *Burkholderia andropogonis* using repetitive sequence box element and PCR
B.A. Ramundo, L.E. Clafflin
Current Microbiology, 50:52-56, 2005
- 03-147-J A bacterial artificial chromosome contig spanning the major domestication locus *Q* in wheat and identification of a candidate gene
J.D. Faris, J.P. Fellers, S.A. Brooks, B.S. Gill
Genetics, 164:311-321, 2003
- 03-148-J Genetic mapping of genes expressing resistance to greenbug and Russian wheat aphid in bread wheat
E.V. Boyko, S.R. Starkey, C.M. Smith
Theoretical and Applied Genetics, 109:1230-1236, 2004
- 03-174-J The *HopPtoF* locus of *Pseudomonas syringae* pv. *tomato* DC3000 encodes a type III chaperone and a virulence effector with ATA as an initiation codon
L. Shan, H. Oh, M. Guo, J.M. Zhou, J.R. Alfano, A. Collmer, X. Jia, X. Tang
Molecular Microbiology, 17:447-455, 2004
- 03-175-J Temperature-sensitive reaction of winter wheat cultivars to *Stagonospora nodorum*
Y. Kim, W.W. Bockus
Plant Disease, 87:1125-1128, 2003
- 03-188-J Reaction of selected Kansas winter wheat cultivars to barley yellow dwarf, 2002
W.W. Bockus
Biological and Cultural Tests (APS), 18:S003, 2003
Published online, doi:10.1094/BC18
- 03-189-J Reaction of the 2002 Kansas Intrastate Nursery to Fusarium head blight, 2002
W.W. Bockus, A.K. Fritz, T.J. Martin
Biological and Cultural Tests (APS), 18, 2003
Published online,
APSNET.org/online/BCTests/
- 03-190-J Reaction of selected winter wheat accessions to Fusarium head blight, 2002
M.A. Davis, W.W. Bockus, G.L. Brown-Guedira
Biological and Cultural Tests (APS), 18:S005, 2003
Published online, doi:10.1094/BC18
- 03-191-J Reaction of selected Kansas winter wheat cultivars to Fusarium head blight, 2002
W.W. Bockus
Biological and Cultural Tests (APS), 18:S001, 2003
Published online, doi:10.1094/BC18
- 03-192-J Evaluation of foliar fungicides for control of tan spot of winter wheat, 2002
W.W. Bockus
Biological and Cultural Tests (APS), 58:CF006, 2003
Published online, doi:10.1094/FN58
- 03-196-J Preventive fungicide applications for control of brown patch and dollar spot on creeping bentgrass, 2002
D. Settle, J. Fry, N. Tisserat
Fungicide and Nematacide Tests (APS), Report 58:T029, 2003
Published online, doi:10.1094/FN58
- 03-252-J Plant disease resistance genes in gene-for-gene resistance and general resistance
J.-M. Zhou, X. Tang
In: *Biochemical and molecular responses of plants to the environment*, A.J. Wood (Ed.).
Research Signpost, 58:CF006,
D01:10.1094/FN58, 2002
- 03-303-J Identification of *Aegilops* germplasm with multiple aphid resistance
C.M. Smith, H. Havlickova, B.S. Gill, V. Holubec
Euphytica, 135:265-273, 2004
- 03-306-J Introduction and constitutive expression of a tobacco hornworm (*Manduca sexta*) chitinase gene in soybean
W. Ornatowski, J. Jayaraj, W.T. Schapaugh, S. Muthukrishnan, T.C. Todd, H.N. Trick
In Vitro Cellular Development and Biology-Plant, 40(3):260-265, 2004
- 03-348-J Leaf rust resistance gene *Lr41* and a gene from *Aegilops cylindrica* are located on wheat chromosome 2DS
S. Singh, C. Franks, L. Huang, G. Brown-Guedira, D. Marshall, B. Gill, A. Fritz
Theoretical and Applied Genetics, 108:586-591, 2004

- 03-354-J Resistance to take-all root rot is not expressed in wheat-alien chromosome addition and substitution lines
Y.-K. Kim, B. Friebe, W.W. Bockus
Plant Health Progress, 2003
Published online,
<http://www.plantmanagementnetwork.org/php/2003.asp>
- 03-361-J Allelic and haplotypic diversity at the *Rp1* rust resistance locus of maize
S. Smith, S. Pryor, S. Hulbert
Genetics, 167:1939-1947, 2004
- 03-367-J Inheritance of resistance to *Stagnospora nodorum* leaf blotch in Kansas winter wheat cultivars
Y.-K. Kim, G. Brown-Guedira, T. Cox, W. Bockus
Plant Disease, 88:530-536, 2004
- 03-389-J Characterization of bostrycoidin: An analytical analog of zearalenone
J.S. Smith, J. Fotso, J.F. Leslie, X. Wu, D. Vandervelde, R.A. Thakur
J. of Food Science, 69:227-232, 2004
- 03-390-J The apoplastic extracts from transgenic wheat line exhibiting lesion mimic phenotype have multiple pathogenesis-related proteins that are antifungal
A. Anand, Z. Lei, L.W. Sumner, K.S. Mysore, Y. Arkane, W.W. Bockus, S. Muthukrishnan
Molecular Plant-Microbe Interactions, 17:1306-1317, 2004
- 03-395-J Genome differentiation in *Aegilops*. 4. Evolution of the U-genome cluster
E.D. Badaeva, A.V. Amosova, T.E. Samatadze, S.A. Zoshchuk, N.G. Shostak, N.N. Chikida, A.Z. Zelenin, B. Friebe, B.S. Gill
Plant Systematics Evolution, 246:45-76, 2004
- 03-397-J The promoter of the Arabidopsis ERF gene, RAP2.6, reports *Pseudomonas syringae* virulence
P. He, J.R. Alfano, L. Zhu, X. Tang, J-M. Zhou
The Plant J., 37:589-602, 2004
- 03-398-B Genetic diversity and population structure of plant-pathogenic species in the genus *Fusarium*
B.A. Summerell, J.F. Leslie
In: Plant microbiology, M. Gillings, A. Holmes (Eds.). Oxford: Garland Science/BIOS Scientific Publishers, 207-223, 2004
- 03-399-J Cultivar mixtures for the simultaneous management of multiple diseases: Tan spot and leaf rust of wheat
C.M. Cox, K.A. Garrett, R.L. Bowden, A.K. Fritz, S.P. Dendy
Phytopathology, 94:961-969, 2004
- 03-410-J Gene flow and recombination in wheat scab populations of *Gibberella zeae* in the United States
K. Zeller, R. Bowden, J. Leslie
Molecular Ecology, 13:563-571, 2004
- 03-418-J Estimation of combining ability for resistance to Fusarium stalk rot in grain sorghum [*Sorghum bicolor* (L.) Moench]
T. Tesso, M. Tuinstra, L. Claflin
Crop Science, 44:1195-1199, 2004
- 04-002-D Annual wheat newsletter, Vol. 49
W.J. Raupp
Plant Pathology Department Report, 2003, 301 pp.
(available only from department)
- 04-008-S 2003 Kansas performance tests with winter wheat varieties
K. Roozeboom, W.W. Bockus, A. Fritz, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, V. Martin, E. Parker, B. Seabourn, R. Lamond, R. Bennett
KS Agric. Exp. Stn. Report of Progress 912, July 2003
- 04-027-J A group of related cDNAs encoding secreted proteins from Hessian fly [*Mayetiola destructor* (Say)] salivary glands
M-S. Chen, J.P. Fellers, J.J. Stuart, J.C. Reese, X. Liu, A. Matthews
Insect Molecular Biology, 13(1):101-108, 2004
- 04-028-J The *Rxo/Rba1* locus of maize controls resistance reactions to pathogenic and nonhost bacteria
B.Y. Zhao, E. Ardales, E. Brasslet, L.E. Claflin, J.E. Leach, S.H. Hulbert
Theoretical and Applied Genetics, 109(1):71-79, 2004

- 04-030-J Robertsonian translocations arise by centric misdivision of univalents at anaphase I and rejoining of broken centromeres during interkinesis of meiosis II
B. Friebe, P. Zhang, G. Linc, B. Gill
Cytogenetic and Genome Research, 109:293-297, 2005
- 04-031-J Aberrant mRNA processing prevents functional transfer of the maize *Rp1-D* rust resistance gene to wheat and barley
M. Steinau, M. Ayliffé, R. Park, S. Hulbert, H. Trick
Molecular Plant-Microbe Interactions, 17(8):853-864, 2004
- 04-032-J A physical map of 16,000 EST loci and chromosomal distribution of genes among the subgenomes of polyploid wheat
L. Qi, B. Echaliér, B.S. Gill
Genome Research, 168:701-712, 2004
- 04-033-J Characterizations of genes expressed in the salivary glands of the Hessian fly, *Mayetiola destructor* (Say)
X. Liu, J.P. Fellers, G.R. Reeck, G.E. Wilde, M-S. Chen
Insect Biochemistry and Molecular Biology, 34:229-237, 2004
- 04-051-J Analysis of stalk rot resistance and genetic diversity among drought tolerant sorghum [*Sorghum bicolor* (L.) Moench] genotypes
T. Tesso, M. Tuinstra, L. Clafin
Crop Science, 45:645-652, 2005
- 04-054-J Management of potato late blight in the Peruvian highlands: Evaluating the benefits of farmer field schools and farmer participatory research
O. Ortiz, K. Garrett, J. Heath
Plant Disease, 88:565-571, 2004
- 04-059-J Interfertility of two mating populations in the *Gibberella fujikuroi* species complex
J. Leslie, K. Zeller, M. Wohler, B. Summerell
European J. of Plant Pathology, 110:611-618, 2004
- 04-062-J BAC-FISH in wheat identifies chromosome landmarks consisting of different types of transposable elements
P. Zhang, W. Li, J. Fellers, B. Friebe, B. Gill
Chromosoma, 112:288-299, 2004
- 04-065-J Species diversity of and toxin production by strains from the *Gibberella fujikuroi* species complex isolated from native prairie grasses in Kansas
J.F. Leslie, K.A. Zeller, A. Logrieco, G. Mule, A. Moretti, A. Ritieni
Applied and Environmental Microbiology, 70:2254-2262, 2004
- 04-069-J Genetic mapping of pathogenicity and aggressiveness of *Gibberella zeae* (*Fusarium graminearum*) toward wheat
C. Cumagun, R. Bowden, J. Jurgenson, J. Leslie, T. Miedaner
Phytopathology, 94:520-526, 2004
- 04-071-J Bacterial effectors in plant disease and defense: Keys to durable resistance?
G. Ponciano, H. Ishihara, S. Tsuyumu, J. Leach
Plant Disease, 87(11):1272-1282, 2003
- 04-077-J Super soft wheat: The effect of multiple copies of puroindoline genes on grain softness
D.R. See, M. Giroux, B.S. Gill
Crop Science, 44:1248-1253, 2004
- 04-084-J Nitrogen management in no-tillage and ridge-tillage systems affects short-season corn grown on claypan soils
D.W. Sweeney, D.J. Jardine
Crop Management, 2004
Published online,
doi:10.1094/CM-2004-0628-01-RS
- 04-092-T Genetically modified crops
J.S. Essig, M. Main, H.N. Trick
Genetically Modified Technical Bulletin, 1-8, 2004
- 04-108-J Sequence composition, organization and evolution of a basic Triticeae genome of the grass family
W. Li, P. Zhang, J. Fellers, B. Friebe, B. Gill
Genome Research, 40:500-511, 2004
- 04-110-J The *avrRxol* gene from the rice pathogen *Xanthomonas oryzae* pv. *oryzicola* confers a nonhost defense reaction on maize with resistance gene *Rxol*
B. Zhao, E. Ardales, A. Raymundo, J. Bai, H. Trick, J. Leach, S. Hulbert
Molecular Plant-Microbe Interactions, 17:771-779, 2004

- 04-142-J Inheritance of resistance to *Stagonospora nodorum* leaf blotch in Kansas winter wheat cultivars
Y-K. Kim, G. Brown-Guedira, T. Cox, W.W. Bockus
Plant Disease, 88:530-536, 2004
- 04-143-J *Cephalosporium maydis* is a distinct species in the *Gaeumannomyces-Harpophora* species complex
A. Saleh, J. Leslie
Mycologia, 96:1317-1327, 2004
- 04-151-J Simultaneous painting of three genomes in hexaploid wheat by BAC-FISH
P. Zhang, W. Li, B. Friebe, B. Gill
Genome, 47:979-987, 2004
- 04-165-S 2003 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 914, Nov. 2003
- 04-167-S 2003 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 915, Nov. 2003
- 04-198-A Reaction of selected winter wheat cultivars to tan spot and leaf rust, 2003
M.A. Davis, W.W. Bockus
Biological and Cultural Tests (APS), Report 19:FC005, 2004
Published online, doi:10.1094/BC19
- 04-199-A Evaluation of foliar fungicides for control of tan spot of winter wheat, 2003
W.W. Bockus
Fungicide and Nematicide Tests (APS), Report 59:CF008, 2003
Published online, doi:10.1094/FN59
- 04-200-A Reaction of selected perennial grass accessions to barley yellow dwarf, 2003
C. Cox, K. Garrett, W.W. Bockus, S. Cox, T. Peters
Biological and Cultural Tests (APS), Report 19:FC010, 2004
Published online, doi:10.1094/BC19
- 04-209-J Efficient genetic transformation of sorghum using a visual screening marker
Z. Gao, J. Jayaraj, S. Muthukrishnan, L. Clafin, G.H. Liang
Genome, 48:321-333, 2005
- 04-212-B Genomics for cereal improvement
W. Li, B.S. Gill
In: Cereal genomics, P.K. Gupta, R.K. Varshney (Eds.). Dordrecht, the Netherlands: Kluwer Academic Publishers, 585-634, 2004
- 04-220-J Reaction of selected Kansas winter wheat cultivars to Fusarium head blight, 2003
M.A. Davis, W.W. Bockus, G.L. Brown-Guedira
Biological and Cultural Tests (APS), Report 19:FC011, 2004
Published online, doi:10.1094/BC19
- 04-225-J *Arabidopsis CYP86A2* negatively regulates *Pseudomonas syringae* type III genes and is required for cuticle development
F. Xiao, M. Goodwin, Y. Xiao, Z. Sun, D. Baker, X. Tang, M.A. Jenks, J-M. Zhou
EMBO J., 23:2903-2913, 2004
- 04-227-J Effects of seed treatment fungicides on stand and yield of corn, 2003
D.J. Jardine, B. Gordon, K. Janssen, J.H. Long
Fungicide and Nematicide Tests (APS), Report 59:ST007, 2004
Published online, doi:10.1094/FN59
- 04-228-J Reaction of the 2003 Kansas Intrastate Nursery to Fusarium head blight, 2003
W.W. Bockus, A.K. Fritz, T.J. Martin
Biological and Cultural Tests (APS), Report 19:FC009, 2004
Published online, doi:10.1094/BC19
- 04-239-J Molecular characterization of the *avrXa7* locus from *Xanthomonas oryzae* pv. *oryzae* field isolates
G. Ponciano, K. Linholm, J. Bai, C. Vera Cruz, J.E. Leach
Physiological and Molecular Plant Pathology, 64(3):145-153, 2004

- 04-250-J Meeting the challenge of disease management in perennial grain cropping systems
C.M. Cox, K.A. Garrett, W.W. Bockus
Renewable Agriculture and Food Systems, 20:15-24, 2005
- 04-258-J New applications of statistical tools in plant pathology
K.A. Garrett, L.V. Madden, G. Hughes, W. Pfender
Phytopathology, 94:999-1003, 2004
- 04-259-J Meta-analysis in plant pathology: Synthesizing research results
M.S. Rosenberg, K.A. Garrett, Z. Su, R.L. Bowden
Phytopathology, 94:1013-1017, 2004
- 04-268-J Effects of seed treatment fungicides on stand and yield of grain sorghum, 2003
D.J. Jardine, M. Claassen, B. Gordon, J.H. Long
Fungicide and Nematacide Tests (APS), Report 59:ST014, 2004
Published online, doi:10.1094/FN59
- 04-269-J Effects of seed treatment fungicides on stand and yield of soybean, 2003
D.J. Jardine, B. Gordon, K. Janssen, J.H. Long
Fungicide and Nematacide Tests (APS), Report 59:ST006, 2004
Published online, doi:10.1094/FN59
- 04-274-J Genetic diversity and aggressiveness of *Ophiosphaerella korrae*, a cause of spring dead spot of Bermudagrass
F.B. Iriarte, H.C. Wetzels, III, J.D. Fry, D.L. Martin, N.A. Tisserat
Plant Disease, 88(12):1341-1346, 2004
- 04-284-J Characterization of the *hrpF* locus of *Xanthomonas oryzae* pv. *oryzae* and its potential role in host specialization
A. Sugio, F.F. White
J. of Bacteriology, 546-554, 2005
- 04-299-J Cot-based cloning and sequencing (CBCS) efficiently removes sequence repeats and increases gene ratio in bread wheat
D. Lamoureux, D.G. Peterson, W. Li, J.P. Fellers, B.S. Gill
The Plant J., 28:1120-1126, 2005
- 04-300-J In planta performance of a dual genetic marker, *manA-gfp*, in transgenic bentgrass
D. Fu, Y. Xiao, S. Muthukrishnan, G.H. Liang
Genome, 48(4):722-730, 2005
- 04-311-J Physical and genetic maps of greenbug resistance genes originated from *Aegilops tauschii*
L.C. Zhu, C.M. Smith, A. Fritz, B.S. Gill
Theoretical and Applied Genetics, 111:831-837, 2005
- 04-315-J Species-specific gene evolution at the ends of chromosomes
D.R. See, S. Brooks, J.C. Nelson, G. Brown-Guedira, B. Friebe, B.S. Gill
Science, 103:4162-4167, 2006
- 04-320-S 2004 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, F.K. Brazle, G.L. Kilgore, K. Janssen, K.W. Kelley, C.M. Taliaferro, D.W. Sweeney, M.B. Kirkham, R. Lamond, G.M. Pierzynski, M. Buckley, J.H. Long, D.J. Jardine, S. Staggenborg, S. Duncan, M. Knapp
KS Agric. Exp. Stn. Report of Progress 926, Apr. 2004
- 04-345-J Using biolistics with *Puccinia triticina* as a method of transient expression and insertional mutagenesis
D.R. See, C.A. Webb, L.J. Szabo, G. Bakkeren, C.E. Garry, R.C. Staples, J.P. Fellers
Functional & Integrative Genomics, 6:250-260, 2006
- 04-349-J High-level expression of maize γ -zein protein in transgenic soybean (*Glycine max*)
Z. Li, S. Meyer, J.S. Essig, Y. Liu, M. Schapaugh, S. Muthukrishnan, B.E. Hainline, H.N. Trick
Molecular Breeding, 16:11-20, 2005
- 04-351-J Overexpression of barley *hva1* gene in creeping bentgrass for improving drought tolerance
D. Fu, B. Huang, Y. Xiao, S. Muthukrishnan, G.H. Liang
Plant Cell Reports, 26:467-477, 2007
- 04-373-J Effect of cold acclimation and freezing on spring dead spot severity in bermudagrass
F.B. Iriarte, J.D. Fry, D.L. Martin, T.C. Todd, N.A. Tisserat
HortScience, 40:421-423, 2005

- 04-393-J Genetically modified turfgrass: A critical review
D. Fu, Y. Xiao, N. Tisserat, G.H. Liang
Recent Research Developments in Genetics and Breeding, 1:317-347, 2004
- 04-394-J Overexpression of rice TLPD34 enhances dollar-spot resistance in transgenic bentgrass
D. Fu, N.A. Tisserat, Y. Xiao, D. Settle, S. Muthukrishnan, G.H. Liang
Plant Science, 168:671-680, 2005
- 04-403-S K-State turfgrass research 2004
J. Fry, R. Bauernfeind, D. Bremer, J. Griffin, S. Keeley, L. Leuthold, R. Taylor, N. Tisserat, T. Warner, R. Wolf, K. Su, J. Ham, D. Stuntz, A. Zuk, T. McClellan, Q. Zhang, K. Lowe, N. Tisserat, L.R. Parsons, M. Fagerness
KS Agric. Exp. Stn. Report of Progress 929, June 2004
- 04-419-J Tobacco genes induced by the bacterial effector protein AvrPto
T.K. Venkatappa, A.S. Robert, Y. Dend, Y. Dong, Y. Yang, X. Tang, J-M. Zhou
Molecular Plant-Microbe Interactions, 17:1139-1145, 2004
- 04-420-J Diverse members of the *AvrBs3/PthA* family of type III effectors are major virulence determinants in bacterial blight disease of rice
B. Yang, F.F. White
Molecular Plant-Microbe Interactions, 17:1192-1200, 2004
- 04-424-J Candidate defense genes as predictors of quantitative blast disease resistance in rice
B. Liu, S. Zhang, X. Zhu, Q. Yang, S. Wu, M. Mei, R. Mauleon, J. Leach, T. Mew, H. Leung
Molecular Plant-Microbe Interactions, 17(10):1146-1152, 2004
- 04-429-J Different gene expression of skin tissues between mice with weight controlled by either calorie restriction or physical exercise
J. Lu, L. Xie, J. Sylvester, J. Wang, J. Bai, R. Baybutt, W. Wang
Experimental Biology and Medicine, 232:473-480, 2007
- 04-433-J Soil microbial and nematode communities as affected by glyphosate and tillage practices in a glyphosate-resistant cropping system
K.B. Liphadzi, K. Al-Khatib, C. Bensch, P.W. Stahlman, J.A. Dille, T. Todd, C.W. Rice, M.J. Horakh, G. Head
Weed Science, 53:536-545, 2005
- 04-438-J Aggressiveness of spring dead spot pathogens to Bermudagrass
F.B. Iriarte, H.C. Wetzel, III, J. Fry, D.L. Martin, P. Vincelli, E.W. Dixon, N.A. Tisserat
International Turfgrass Society Research J., 10:258-264, 2005
- 05-10-D Annual wheat newsletter, Vol. 50
W.J. Raupp
Plant Pathology Department Report, 2004, 333 pp.
(available only from department)
- 05-27-S 2004 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, E. Parker, B. Seabourn, R. Lamond, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 930, July 2004
- 05-29-J Competition, facilitation, and niche differentiation in two foliar pathogens
F.A. Al-Naimi, K.A. Garrett, W.W. Bockus
Oecologia, 143:449-457, 2005
- 05-39-J Avoidance of host recognition by alteration in a type III effector of *Xanthomonas oryzae* pv. *oryzae*
B. Yang, A. Sugio, F. White
Molecular Plant-Microbe Interactions, 18:142-149, 2005
- 05-48-J Structural variation and evolution of a resistance gene island in natural populations of wild wheat
S.A. Brooks, L. Huang, M.N. Herbel, B.S. Gill, G. Brown-Guedira, J.P. Fellers
Genome Research, 112:618-626, 2006

- 05-81-J Production of Fumonisin B and C analogs by several *Fusarium* species
N. Mshicileli, G.S. Shephard, V. Sweram, H.F. Vismer, J.P. Rheeder, Y.-W. Lee, J.F. Leslie, W.F.P. Marasas
J. of Agricultural and Food Chemistry, 53:4861-4866, 2005
- 05-82-J Allelic relationships among Russian wheat aphid resistance genes
X.M. Liu, C.M. Smith, B.S. Gill
Crop Science, 45:2273-2280, 2005
- 05-87-J Hessian fly resistance gene *H13* mapped to a distal cluster of R genes in chromosome 6DS of wheat
X.M. Liu, B.S. Gill, M.S. Chen
Theoretical and Applied Genetics, 111:243-249, 2005
- 05-88-J Elicitor signal transduction leading to production of plant secondary metabolites
J. Zhao, L.C. Davis, X. Tang, R. Verpoorte
Biotechnology Advances, 23:283-333, 2005
- 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. Chalhoub, F. Chumley, J. Dvorak, M. Iwanaga, B. Keller, W. Li, W.R. McCombie, Y. Ogihara, F. Quetier, T. Sasaki
Genetics, 168:1087-1096, 2004
- 05-119-J Origin, structure, and behavior of a highly rearranged chromosome 1 BS-4 in wheat
L. Qi, B. Friebe, B.S. Gill
Genome, 48:591-597, 2005
- 05-121-J The window of risk for emigration of wheat streak mosaic virus varies with host eradication method
W. Jiang, K.A. Garrett, D.E. Peterson, T.L. Harvey, R.L. Bowden, L. Fang
Plant Disease, 88:853-858, 2005
- 05-145-S 2004 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 932, Nov. 2004
- 05-146-J *H9*, *H10*, and *H11* compose a cluster of Hessian fly-resistance genes in the distal gene-rich region of wheat chromosome 1AS
X.M. Liu, A.K. Fritz, J.C. Reese, G.E. Wilde, B.S. Gill, M.-S. Chen
Theoretical and Applied Genetics, 110:1473-1480, 2005
- 05-165-J Expression patterns of three heat-shock protein 70 genes among developmental stages of the red flour beetle, *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae)
R. Mahroof, K.Y. Zhu, L. Neven, B. Subramanyam, J. Bai
Comparative Biochemistry and Physiology: Part A: Molecular and Integrative Physiology, 141A:247-256, 2005
- 05-166-S 2004 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 933, Dec. 2004
- 05-171-J *Fusarium* species from cassava root rot complex in West Africa
R. Bandyopadhyah, M. Mwangi, S. Aigbe, J.F. Leslie
Phytopathology, 96:673-676, 2006
- 05-172-J Characterization of the *hrpF* pathogenicity peninsula of *Xanthomonas oryzae* pv. *oryzae*
A. Sugio, B. Yang, F.F. White
Molecular Plant-Microbe Interactions, 18:546-554, 2005
- 05-174-J Inheritance and molecular mapping of new greenbug resistance genes in wheat germplasms derived from *Aegilops tauschii*
L.C. Zhu, C.M. Smith, A. Fritz, E.V. Boyko, B.S. Gill
Theoretical and Applied Genetics, 111:831-837, 2005
- 05-176-J Advanced backcross QTL analysis of a hard winter wheat synthetic wheat population
B. Narasimhamoorthy, B. Gill, A. Fritz, J. Nelson, G. Brown-Guedira
Theoretical and Applied Genetics, 112:787-796, 2006

- 05-177-J Flagellin induces innate immunity in nonhost interactions that is suppressed by *Pseudomonas syringae* effectors
X. Li, S. Chintamanani, D. Baker, J. Zhang, Y. Xou, X. Tang, J.-M. Zhou
Proceedings of the National Academy of Sciences (USA), 102:12990-12995, 2005
- 05-195-J Reactions of perennial grain accessions to four major cereal pathogens of the Great Plains
C.M. Cox, K.A. Garrett, T.S. Cox, W.W. Bockus, T. Peters
Plant Disease, 89:1235-1240, 2005
- 05-221-J A super-family of genes coding for secreted salivary gland proteins (SSGP) from the Hessian fly [*Mayetiola destructor* (Say)]
M-S. Chen, J.P. Fellers, Y.C. Zhu, J.J. Stuart, S. Hulbert, M. El-Bouhssini, X. Liu
J. of Insect Science, 6:article 12, 2006
- 05-236-J The National Plant Diagnostic Network
J.P. Stack, K. Cardwell, R. Hammerschmidt, J. Byrne, R. Loria, K. Snover-Clift, W. Baldwin, G. Wisler, H. Beck
Plant Disease, 90(2):128-136, 2006
- 05-258-J A rapid method for high-quality RNA isolation from seed endosperm containing high levels of starch
Z. Li, H.N. Trick
Biotechniques, 38:872-876, 2005
- 05-265-J Targeted mapping of ESTs linked to the adult plant resistance gene *Lr46* in wheat using synteny with rice
M. Mateos-Hernandez, R.P. Singh, R.L. Bowden, S.H. Hulbert, B.S. Gill, G. Brown-Guedira
J. of Functional Integrative Genomics, 6:122-131, 2006
- 05-277-J *Fusarium graminearum*-induced changes in gene expression between *Fusarium* head blight-resistant and susceptible wheat cultivars
A. Bernardo, G. Bai, P. Guo, K. Xiao, A.C. Guenzi, P. Ayoubi
Functional & Integrative Genomics, 7:69-77, 2007
- 05-289-J Two-component sensor RhpS promotes induction of *Pseudomonas syringae* type III secretion system by repressing negative regulator RhpR
Y. Xiao, L. Lan, C. Yin, X. Deng, D. Baker, J.M. Zhou, X. Tang
Molecular Plant-Microbe Interactions, 20:223-234, 2007
- 05-302-J Multiple genetic pathways for shattering in the grasses
W. Li, B. Gill
Genetics, 6:300-309, 2006
- 05-334-J Genetically engineered resistance to *Fusarium* head blight in wheat by expression of the *Arabidopsis NPR1* gene
R. Makandar, J.S. Essig, M.A. Scapaugh, H. Trick, J. Shah
Molecular Plant-Microbe Interactions, 19:123-129, 2006
- 06-11-S 2005 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Spangler, E. Parker, B. Seabourn, M. Knapp, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 947, July 2005
- 06-19-D Annual wheat newsletter, Vol. 51
W.J. Raupp
Plant Pathology Department Report, 2005, 304 pp.
(available only from department)
- 06-22-J Landscape ecological genomics and epidemiology: A null models approach
K.A. Garrett, S.H. Hulbert, J.E. Leach, S.E. Travers
European J. of Plant Pathology, 115:35-51, 2006
- 06-24-J The *Pseudomonas syringae* pv. *tomato* DC3000 type III effector HopF2 has a putative myristoylation site required for its avirulence and virulence functions
A Robert-Seilaniantz, L. Shan, J. Zhou, X. Tang
Molecular Plant-Microbe Interactions, 19:130-138, 2006

- 06-40-J A maize resistance gene functions against bacterial streak disease in rice
B. Zhao, X. Lin, J. Poland, H.N. Trick, J. Leach, S.H. Hulbert
Proceedings of the National Academy of Sciences (USA), 102:15383-15388, 2005
- 06-58-J Sentinel nematodes of land-use change and restoration in tallgrass prairie
T.C. Todd, T.O. Powers, P.G. Mullin
J. of Nematology, 38:20-27, 2006
- 06-77-J Quantitative trait locus analysis of wheat quality traits
J.C. Nelson, C. Andreescu, F. Breseghello, P. Finney, D. Gualberto, C. Begman, R. Pena, M.R. Perretant, P. Leroy, C.O. Qualset, M.E. Sorrells
Euphytica, 149:145-159, 2006
- 06-108-S 2005 Kansas performance tests with corn hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gorgon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 949, Nov. 2005
- 06-113-J Transgenic soybeans expressing siRNAs specific to a major sperm protein gene suppress *Heterodera glycines* reproduction
R.M. Steeves, T.C. Todd, H.N. Trick
Molecular Plant-Microbe Interactions, 33:991-999, 2006
- 06-114-J Cloning and characterization of cDNAs encoding carboxypeptidase-like proteins from the gut of Hessian fly [*Mayetiola destructor* (Say)] larvae
X. Liu, J.P. Fellers, Y. Zhu, N.S. Mutti, M. El-Bouhssini, M. Chen
Insect Biochemistry and Molecular Biology, 33:665-673, 2006
- 06-127-S 2005 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 950, Nov. 2005
- 06-131-B Applied biodiversity science: Managing emerging diseases in agriculture and linked natural systems using ecological principles
K.A. Garrett, C.M. Cox
In: Infectious disease ecology: Effects of ecosystems on disease and of disease on ecosystems, R. Ostfeld, F. Keesing, V. Eviner (Eds.). Princeton, NJ: Princeton University Press, 368-386, 2008
- 06-137-J Inactivation of *Fpmtr*, an amino acid transporter gene causes communication disturbances in *Fusarium proliferatum*
A. Jeney, E. Beki, A. Keszthelyi, J. Leslie, L. Hornok
J. of Basic Microbiology, 47:16-24, 2007
- 06-144-J Effect of sorting on incidence and occurrence of Fumonisin and *Fusarium verticillioides* on maize from Nigeria
C.G. Afolabi, R. Bandyopadhyay, J.F. Leslie, E.J.A. Ekpo
J. of Food Protection, 69:2019-2023, 2006
- 06-162-J Genetic structure of atmospheric populations of *Gibberella zeae*
D.G. Schmale, J.F. Leslie, A. Saleh, E. Shields, G. Bergstrom
Phytopathology, 96:1021-1026, 2006
- 06-163-B The *Fusarium* laboratory manual
J.F. Leslie, B. Summerell
Ames, IA: Blackwell Professional, 385 pp., 2006
- 06-172-J Cloning and characterization of protease inhibitor-like cDNAs from the Hessian fly [*Mayetiola destructor* (Say)]
A.A. Maddur, X. Liu, Y.C. Zhu, J.P. Fellers, B. Oppert, Y. Park, J. Bai, G.E. Wilde, M. Chen
Insect Molecular Biology, 15(4):485-496, 2006
- 06-199-J Enhancing lignan biosynthesis by overexpressing pinoreosinol lariciresinol reductase in transgenic wheat
A. Ayella, H. Trick, W. Wang
Molecular Nutrition & Food Research, 51:1518-1526, 2007
- 06-233-J Complex genome rearrangements reveal evolutionary dynamics of pericentromeric regions in the Triticeae
L. Qi, B. Friebe, B. Gill
Genome, 40:1-13, 2006

- 06-239-B Wheat genetics resource center: The first 25 years
B. Gill, B. Friebe, W.J. Raupp, D. Wilson, T.S. Cox, R. Sears, G. Brown-Guedira, A.K. Fritz
In: Advances in agronomy, 89, D.L. Sparks (Ed.). Elsevier, pp. 73-135, 2006
- 06-244-J *Fusarium* laboratory workshops - A recent history
J.F. Leslie, B. Summerell
Mycotoxin Research, 22:73-74, 2006
- 06-248-J *Fusarium* crown and root rot pathogens associated with wheat and grass stem bases on the South Island of New Zealand
A.R. Bently, M.G. Crome, R. Farrokhi-Nejad, J.F. Leslie, B.A. Summerell, L.W. Burgress
Australasian Plant Pathology, 35:495-502, 2006
- 06-249-J Genome-wide gene expression analysis of *Pseudomonas syringae* pv *tomato* DC3000 reveals overlapping and distinct pathways regulated by *hrpL* and *hrpRS*
L. Lan, X. Deng, J.M. Zhou, X. Tang
Molecular Plant-Microbe Interactions, 19:976-987, 2006
- 06-263-S 2006 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, C.M. Taliaferro, K.W. Kelley, K.J. Moore, E.C. Brummer, D.W. Sweeney, M.B. Kirkham, R. Lamond, G. Kilgore, J. Long, S. Staggenborg, C. Pacht, S. Duncan, N.L. Brooker, K. Walker, M. Knapp
KS Agric. Exp. Stn. Report of Progress 960, Apr. 2006
- 06-288-J Regulation of the type III secretion system in phytopathogenic bacteria
X. Tang, Y. Xiao, J.M. Zhou
Molecular Plant-Microbe Interactions, 19:1159-1166, 2006
- 06-311-J Climate change effects on plant disease: Genomes to ecosystems
K.A. Garrett, S.P. Dendy, E.E. Frank, M.N. Rouse, S.E. Travers
Annual Review of Phytopathology, 44:489-509, 2006
- 06-324-J The homologue of *Het-C* of *Neurospora crassa* lacks vegetative compatibility function in *Fusarium proliferatum*
Z. Kerenyi, B. Olah, A. Jeney, L. Hornok, J.F. Leslie
Applied and Environmental Microbiology, 72:6527-6532, 2006
- 06-328-J *Os8N3* is a host disease susceptibility gene for bacterial blight of rice
B. Yang, A. Sugio, F. White
Proceedings of the National Academy of Sciences (USA), 103:10503-10509, 2006
- 06-335-J The number of experiments needed to determine wheat disease phenotypes for four wheat diseases
W.W. Bockus, Z. Su, K.A. Garrett, B.S. Gill, J.P. Stack, A.K. Fritz, K.L. Roozeboom, T.J. Martin
Plant Disease, 91(1):103-108, 2007
- 06-340-J Gene expression patterns of wheat rust resistance gene *Lr34/Yr18* indicate novel mode of action
S.H. Hulbert, J. Bai, J. Fellers, M.G. Pacheco, R.L. Bowden
Phytopathology, 97:1083-1093, 2007
- 07-7-D Annual wheat newsletter, Vol. 52
W.J. Raupp, B. Carver
Plant Pathology Department Report, 2006, 248 pp.
(available only from department)
- 07-8-S 2006 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, D. Jardine, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, E. Parker, J. Lingenfelter, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 967, Aug. 2006
- 07-10-J Molecular mapping of QTLs for Karnal bunt resistance in two recombinant inbred populations of bread wheat
S. Singh, I. Sharma, N.S. Bains, S.K. Sehgal, Z. Guo, J.C. Nelson, R.L. Bowden
Molecular Genetics and Genomics, 116:147-154, 2007

- 07-16-J Identification and mapping of a tiller inhibition gene (*tin3*) in wheat
V. Kuraparthy, S. Sood, H.S. Dhaliwal, P. Chhuneja, B.S. Gill
Theoretical and Applied Genetics, 114:285-294, 2007
- 07-35-J Ecological genomics: Making the leap from model systems in the lab to native populations in the field
S.E. Travers, M.D. Smith, J. Bai, S.H. Hulbert, J.E. Leach, P.S. Schnable, A.K. Knapp, G.A. Milliken, P.A. Fay, A. Saleh, K.A. Garrett
Frontiers in Ecology and the Environment, 5:19-24, 2007
- 07-40-J Characterization and mapping of *Aegilops geniculata* introgressions with novel leaf rust and stripe rust resistance genes *Lr57* and *Yr40* in wheat
V. Kuraparthy, P. Chhuneja, H.S. Dhaliwal, B.S. Gill
Theoretical and Applied Genetics, 114:1379-1389, 2007
- 07-65-J Homoeologous recombination: Chromosome engineering and crop improvement
L. Qi, B. Friebe, P. Zhang, B.S. Gill
Chromosome Research, 15:3-19, 2007
- 07-76-A Cross fertility of lineages in *Fusarium graminearum*
R.L. Bowden, J.F. Leslie, J.K. Lee, Y.-W. Lee
Proceedings of the CIMMYT Fusarium Head Blight Workshop on the Global Fusarium Initiative for International Collaboration, Ban, T., J.M. Lewis, E.E. Phipps (Eds.). 2006, pp. 54-59
- 07-77-B Wheat lignans: Promising cancer preventive agents
W. Wang, A. Ayella, H. Trick, H. Qu
In: Wheat antioxidants, L. Yu (Ed.). Hoboken, NJ: John Wiley & Sons, Inc., pp. 264-272, 2008
- 07-79-J Genetic structure of *Fusarium pseudograminearum* populations from the Australian grain belt
A.R. Bentley, J.F. Leslie, E.C.Y. Kliew, L.W. Burgess, B.A. Summerell
Phytopathology, 98:250-255, 2008
- 07-81-J Gene expression of different wheat genotypes during attack by virulent and avirulent Hessian fly (*Mayetiola destructor*) larvae
X. Liu, J. Bai, L. Zhu, X. Liu, N. Weng, J.C. Reese, M. Harris, J.J. Stuart, M.-S. Chen
J. of Chemical Ecology, 33:2171-2194, 2007
- 07-84-J Mutation of Lon protease affects differently the *Pseudomonas syringae* TTSS gene expression in rich and minimal media and reduces pathogenicity
L. Lan, X. Deng, Y. Xiao, J.-M. Zhou, X. Tang
Molecular Plant-Microbe Interactions, 20:682-692, 2007
- 07-93-J Experimental design for two-color microarrays applied in a pre-existing experiment
G.A. Milliken, K.A. Garrett, S.E. Travers
Statistical Applications in Genetics and Molecular Biology, 6:article 20, 2007
- 07-100-S 2006 Kansas performance tests with grain sorghum hybrids
J. Lingenfelser, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 969, Nov. 2006
- 07-106-S 2006 Kansas performance tests with corn hybrids
J. Lingenfelser, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 968, Dec. 2006
- 07-120-J Inter- and intra-specific genetic variation in *Fusarium*
J.F. Leslie, L.L. Anderson, R.L. Bowden, Y.-W. Lee
International J. of Food Microbiology, 119:25-32, 2007
- 07-152-J A cryptic wheat-*Aegilops triuncialis* translocation with a novel leaf rust resistance gene *LrTri*
V. Kuraparthy, S. Sood, P. Chhuneja, H.S. Dhaliwal, S. Kaur, R.L. Bowden, B.S. Gill
Crop Science, 47:1995-2003, 2007

- 07-155-J Genetic factors affecting sexual reproduction in toxigenic *Fusarium* species
L. Hornok, C. Waalwijk, J.F. Leslie
International J. of Food Microbiology, 119:54-58, 2007
- 07-159-J Population genetic structure of *Gibberella*
M. Ramirez, M. Reynosa, M. Farnochi, J. Leslie, S. Chulze
Food Additives and Contaminants, 24:1115-1120, 2007
- 07-181-J Roles for rice membrane dynamics and plasmodesmata during biotrophic invasion by the blast fungus
P. Kankanala, K. Czymmek, B. Valent
The Plant Cell, 19:706-724, 2007
- 07-206-J Genetic diversity of *Mycosphaerella gramincola*, the causal agent of Septoria tritici blotch, in Kansas winter wheat
M. Kabbage, S. H. Hulbert, J. F. Leslie, B. Bockus, K. Zeller
J. of Agricultural, Food and Environmental Sciences, Vol. 2, 2008
<http://www.scientificjournals.org/journals2008/articles/1377.pdf>
- 07-212-J Alien genetic resources for wheat leaf rust resistance, cytogenetic transfer, and molecular analysis
B.S. Gill, L. Huang, V. Kurapathy, W.J. Raupp, D.L. Wilson, B. Friebe
Australian J. of Agricultural Research, 59(3):197-205, 2008
- 07-272-J Expression and function of sex pheromones and receptors in the homothallic ascomycete *Gibberella zeae*
J.K. Lee, J. F. Leslie, R.L. Bowden
Eukaryotic Cell, 7:1211-1221, 2008
- 07-276-J Identification of genes expressed by the pathogen *Magnaporthe oryzae* and rice during biotrophic blast invasion
G. Mosquera, S. Coughlan, B. Valent
The Plant Cell, 146:200-212, 2008
- 07-282-A Two type II effector genes of *Xanthomonas oryzae* pv. *oryzae* control the induction of the host genes *OsTFIIaγ1* and *OsTFXI* during bacterial blight of rice
A. Sugio, B. Yang, T. Zhu, F.F. White
Proceedings of the National Academy of Sciences (USA), 104(25):10720-10725, 2007
- 07-283-J Genomic targeting and mapping of tiller inhibition gene (*tin3*) of wheat using wheat ESTs and synteny with rice
V. Kurapathy, S. Sood, B.S. Gill
Functional & Integrative Genomics, 8:33-42, 2008
- 07-284-J Targeted genomic mapping of a wheat red seed color gene (*R-A1*) using wheat ESTs and synteny with rice
V. Kurapathy, S. Sood, B.S. Gill
Plant Physiology, 48(51):537-548, 2008
- 07-309-J Ecological and epidemiological concepts in R: Disease progress over time
A.H. Sparks, P.D. Esker, M.B. Bates, W. Dall'Acqua, Z. Guo, V. Segovia, S.D. Silwal, S. Tolos, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-02
- 07-310-J An introduction to the R programming environment
K.A. Garrett, P.D. Esker, A.H. Sparks
The Plant Health Instructor, 2007
Published online,
doi:10.1094/PHI-A-2007-1226-02
- 07-314-J Ecology and epidemiology in R: Modeling dispersal gradients
P.D. Esker, A.H. Sparks, M. Bates, W. Dall'Acqua, E. Frank, L. Huebel, V. Segovia, K. Garrett
The Plant Health Instructor, 2007
Published online,
doi:10.1094/PHI-A-2007-1226-03
- 08-11-S 2007 Kansas performance tests with winter wheat varieties
J. Lingenfelser, K. Roozeboom, A. Fritz, E. De Wolf, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, M. Spangler, A. Schlegel, R. Chen, L. McLaughlin, R. Miller, B. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 982, Aug. 2007
- 08-16-J A novel source of resistance in wheat to *Pyrenophora tritici-repentis* Race 1
S. Singh, W.W. Bockus, I. Sharma, R.L. Bowden
Plant Disease, 92:91-95, 2008

- 08-17-J Relative severity of aflatoxin contamination of cereal crops in West Africa
R. Bandyopadhyay, M. Kumar, J.F. Leslie
Food Additives and Contaminants, 24:1109-1114, 2007
- 08-20-S K-State turfgrass research 2007
H. Lee, D. Bremer, K. Su, J. Fry, S. Keeley, R. St. John, L.R. Parsons, M. Kennelly, A. Zuk, J. Lewis, Q. Zhang, M. Engelke, D. Genovesi, C. Rajashekar, X. Pan, T. Goldsby
KS Agric. Exp. Stn. Report of Progress 981, Aug. 2007
- 08-38-J Alignment between genetic and physical maps in *Gibberella zeae*
J. Lee, J.E. Jurgenson, J.F. Leslie, R.L. Bowden
Applied and Environmental Microbiology, 74:2349-2359, 2008
- 08-48-D Annual wheat newsletter, Vol. 53
W.J. Raupp
Plant Pathology Department Report, 2007, 197 pp.
(available only from department)
- 08-70-J Triticum mosaic virus: A new virus isolated from wheat in Kansas
D.L. Seifers, T.J. Martin, T.L. Harvey, J.P. Fellers, J.P. Stack, M. Ryba-White, S. Haber, O. Krokhin, V. Spicer, N. Lovat, A. Yamchuk, K.G. Standing
Plant Disease, 92(5):808-817, 2008
- 08-99-J Ecology and epidemiology in R: Introduction to spatial analysis
A.H. Sparks, P.D. Esker, G. Antony, L. Campbell, E.E. Frank, L. Huebel, M. Rouse, B. Van Allen, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-01
- 08-100-J Ecology and epidemiology in R: Disease forecasting
P.D. Esker, A.H. Sparks, L. Campbell, Z. Guo, M. Rouse, S.D. Silwal, S. Tolos, B. Van Allen, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-03
- 08-101-J Writing teaching documents as a class project
K.A. Garrett, P.D. Esker, A.H. Sparks, L.C. Scharmann
The Plant Health Instructor, 2007
Published online, doi:10.1094/PHI-T-2008-0129-01-2007-12226-01
- 08-120-S 2007 Kansas performance tests with corn hybrids
J. Lingenfelser, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 983, Oct. 2007
- 08-148-S 2007 Kansas performance tests with grain sorghum hybrids
J. Lingenfelser, D. Jardine, J. Whitworth, M. Knapp, P. Vadlani, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 986, Dec. 2007
- 08-155-J Effect of foliar fungicides on Fusarium head blight of winter wheat, 2007
W.W. Bockus, S.N. Wegulo
Plant Disease Management Reports (APS), Report 2:CF011, 2008
Published online, doi:10.1094/PDMR02
- 08-156-J Evaluation of foliar fungicides for control of tan spot and leaf rust of winter wheat, 2007
W.W. Bockus, E.D. De Wolf
Plant Disease Management Reports (APS), Report 2:CF010, 2008
Published online, doi:10.1094/PDMR02
- 08-157-J Reaction of Kansas, Nebraska, and South Dakota winter wheat accessions to Fusarium head blight (FHB), 2007
W.W. Bockus, P.S. Baenziger, A. Ibrahim
Plant Disease Management Reports (APS), Report 2:CF009, 2008
Published online, doi:10.1094/PDMR02
- 08-158-J Reaction of selected Kansas winter wheat cultivars to barley yellow dwarf, 2007
W.W. Bockus, M.A. Davis
Plant Disease Management Reports (APS), Report 2:CF008, 2008
Published online, doi:10.1094/PDMR02

- 08-159-J Reaction of selected Kansas winter wheat accessions to Fusarium head blight, 2007
W.W. Bockus, M.A. Davis
Plant Disease Management Reports (APS), Report 2:CF007, 2008
Published online, doi:10.1094/PDMR02
- 08-160-J Reaction of the 2007 Kansas Intrastate Nursery to barley yellow dwarf and Fusarium head blight
W.W. Bockus, A.K. Fritz, T.J. Martin
Plant Disease Management Reports (APS), Report 2:CF006, 2008
Published online, doi:10.1094/PDMR02
- 08-183-J Quantifying the effects of lance nematode parasitism in creeping bentgrass
D.M. Settle, J.D. Fry, G.A. Milliken, N.A. Tisserat, T.C. Todd
Plant Disease, 91:1170-1179, 2007
- 08-184-J Lessons learned in remediation and restoration in the Oklahoma prairie: A review
K.L. Sublette, J.B. Tapp, J.B. Fisher, E. Jennings, K. Duncan, G. Thoma, J. Brokaw, T. Todd
Applied Geochemistry, 22:2225-2239, 2007
- 08-185-J Monitoring soil ecosystem recovery following bioremediation of a terrestrial crude oil spill with and without a fertilizer amendment
K. Sublette, E. Jennings, C. Mehta, K. Duncan, J. Brokaw, T. Todd, G. Thoma
Soil and Sediment Contamination, 16:181-208, 2007
- 08-199-J *Hosta Virus X* detected in Kansas
M.M. Kennelly, J. O'Mara, J. Pierzynski, B. Hilbert, J. Appel
Plant Health Progress, 2007
Published online,
doi:10.1094/PHP-2007-0726-03-RV
- 08-200-J *Pseudomonas syringae* diseases of fruit trees: Progress toward understanding and control
M.M. Kennelly, F.M. Cazorla, A. de Vicente, C. Ramos, G.W. Sundin
Plant Disease, 91:4-17, 2007
- 08-203-J Disease cycle approach to plant disease prediction
E.D. De Wolf, S.A. Isard
Annual Review of Phytopathology, 45:9.1-9.18, 2007
- 08-204-J A distributed lag analysis of the relationship between *Gibberella zeae* inoculum density on wheat spikes and weather variables
P.A. Paul, P.E. Lipps, E. De Wolf, G. Shaner, G. Buechley, T. Adhikari, S. Ali, J. Stein, L. Osborne, L.V. Madden
Phytopathology, 97:1608-1624, 2007
- 08-214-J Using color infrared red imagery to detect sooty mold and fungal pathogens of glasshouse propagated plants
K.R. Summy, C.R. Little
HortScience, 43(5):1485-1491, 2008
- 08-241-J Effect of seed treatment fungicides on stand, charcoal rot suppression and yield in soybeans, 2007
L. Maddux, D.J. Jardine
Plant Disease Management Reports (APS), Report 2:ST007, 2008
Published online, doi:10.1094/PDMR02
- 08-242-J Effect of seed treatment fungicides on stand and yield of corn, 2007
D.J. Jardine, B. Gordon, J.H. Long
Plant Disease Management Reports (APS), Report 2:ST004, 2008
Published online, doi:10.1094/PDMR02
- 08-243-J Effect of seed treatment fungicides on stand and yield of grain sorghum, 2007
D.J. Jardine, M. Claassen, B. Gordon, J.H. Long
Plant Disease Management Reports (APS), Report 2:ST006, 2008
Published online, doi:10.1094/PDMR02
- 08-244-J Effect of seed treatment fungicides on stand and yield of grain sorghum, 2007
D.J. Jardine, B. Gordon, J.H. Long
Plant Disease Management Reports (APS), Report 2:ST005, 2008
Published online, doi:10.1094/PDMR02
- 08-247-J Heterologous expression of a plastid EF-Tu reduces protein thermal aggregation and enhances CO₂ fixation in wheat following heat stress
J. Fu, I. Momčilović, T.E. Clemente, N. Nersesian, H.N. Trick, Z. Ristic
Plant Molecular Biology, 68:277-288, 2008

- 08-254-J RL-SAGE and microarray analysis of the rice transcriptome after *Rhizoctonia solani* infection
R.C. Venu, Y. Jia, M. Gowda, M.H. Jia, C. Jantasuriyarat, E. Stahlberg, H. Li, A. Rhinehart, P. Boddhireddy, P. Singh, N. Rutger, D. Kudrna, R. Wing, J.C. Nelson, G. Wang
Molecular Genetics and Genomics, 278:421-431, 2007
- 08-255-J Cytogenetics in the age of molecular genetics
P. Zhang, B. Friebe, G. Gill, R.F. Park
Australian J. of Agricultural Research, 58:498-506, 2007
- 08-257-J Identification and characterization of segregation distortion loci along chromosome 5B in tetraploid wheat
S. Kumar, B.S. Gill, J.D. Faris
Molecular Genetics and Genomics, 278:187-196, 2007
- 08-258-J Markers associated with a QTL for grain yield in wheat under drought
F.M. Kirigwi, M. Van Ginkel, G. Brown-Guedira, B.S. Gill, A.K. Fritz
Molecular Breeding, 20:401-413, 2007
- 08-261-J The bifunctional effector AvrXccC of *Xanthomonas campestris* pv. *campestris* requires plasma membrane-anchoring for host recognition
L. Wang, X. Tang, C. He
Molecular Plant Pathology, 8:491-501, 2007
- 08-262-J Firefly luciferase complementation imaging assay for protein-protein interactions in plants
H. Chen, Y. Zou, Y. Shang, H. Lin, Y. Wang, R. Cai, X. Tang, J. Zhou
Plant Physiology, 146:368-76, 2008
- 08-263-J A *Pseudomonas syringae* effector inactivates MAPKs to suppress PAMP-induced immunity in plants
J. Zhang, F. Shao, Y. Li, H. Cui, L. Chen, H. Li, Y. Zou, C. Long, L. Lan, J. Chai, S. Chen, X. Tang, J. Zhou
Cell Host & Microbe, 1:172-185, 2007
- 08-264-J *Pseudomonas syringae* effector AvrPto blocks innate immunity by targeting receptor kinases
T. Xiang, N. Zong, Y. Zou, Y. Wu, J. Zhang, W. Xing, Y. Li, X. Tang, L. Zhu, J. Chai, J. Zhou
Current Biology, 18:74-80, 2008
- 08-267-J A gene in the multidrug and toxic compound extrusion (MATE) family confers aluminum tolerance in sorghum
J.V. Magalhaes, J. Liu, C.T. Guimarães, U.G.P. Lana, V.M.C. Alves, Y. Wang, R.E. Schaffert, O.A. Hoekenga, M.A. Piñeros, J.E. Shaff, P.E. Klein, N.P. Carneiro, C.M. Coelho, H.N. Trick, L.V. Kochian
Nature Genetics, 39:1156-1161, 2007
- 08-268-J Soil properties associated with organic matter-mediated suppression of bean root rot in field soil amended with fresh and composted paper mill residuals
D. Rotenberg, A.J. Wells, E.J. Chapman, A.E. Whitfield, R.M. Goodman, L.R. Cooperband
Soil Biology & Biochemistry, 39:2936-2948, 2007
- 08-269-J A soluble form of the *Tomato spotted wilt virus* (TSWV) glycoprotein G_N (G_N-S) inhibits transmission of TSWV by *Frankliniella occidentalis*
A.E. Whitfield, N.K.K. Kumar, D. Rotenberg, D.E. Ullman, E.A. Wyman, C. Zietlow, D.K. Willis, T.L. German
Phytopathology, 98:45-50, 2008
- 08-279-B Molecular aspects of rice blast disease resistance: Insights from structural and functional analysis of the *Pi-ta* and *AVR-Pita* gene pair
Y. Jia, B. Valent
In: Rice improvement in the genomics era, S. Datta (Ed.). CRC Press, 207-236, 2008
- 08-280-J Cytological and molecular analyses of disease resistance to the rice blast fungus
Z. Wang, H. Lin, B. Valent, J.N. Rutger, Y. Jia
Chinese J. of Rice Science, 21:335-340, 2007
- 08-282-J Genome organization and evolution of the *AVR-Pita* avirulence gene family in the *Magnaporthe grisea* species complex
C.H. Khang, S. Park, Y. Lee, B. Valent, S. Kang
Molecular Plant-Microbe Interactions, 21:658-670, 2008

- 08-287-S 2008 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, K.J. Moore, C.M. Taliaferro, D.W. Sweeney, K.W. Kelley, G.M. Pierzynski, J.H. Long, D. Jardine, E. De Wolf, M. Knapp
KS Agric. Exp. Stn. Report of Progress 996, Apr. 2008
- 08-324-C QGene: Software for QTL data exploration
R. Joehanes, J.C. Nelson
<http://coding.plantpath.ksu.edu/ggene>, 2008
- 08-343-J Insect vector interactions with persistently transmitted viruses
S.A. Hogenhout, E. Ammar, A.E. Whitfield, M.G. Redinbaugh
Annual Review of Phytopathology, 46:327-359, 2008
- 08-348-T Zoysiagrass: Economic and environmental sense in the transition zone
J. Fry, M. Kennelly, R. St. John
Golf Course Management, May 2008, 127-132
- 08-352-S K-State turfgrass research 2008
D. Bremer, S. Keeley, J. Fry, J. Lewis, D. Okeyo, M. Engelke, D. Genovesi, T. Goldsby, R. St. John, J. Deusterhaus, J. Ham, M. Kennelly, B. Gonzalez, L.R. Parsons, R. Dremsa
KS Agric. Exp. Stn. Report of Progress 998, July 2008
- 08-374-J Micro-colinearity between rice, *Brachypodium*, and *Triticum monococcum* at the wheat domestication locus *Q*
J.D. Faris, Z. Zhang, J.P. Fellers, B.S. Gill
Functional & Integrative Genomics, 8:149-164, 2008
- 09-099-J Primary infection, lesion productivity, and survival of sporangia in the grapevine downy mildew pathogen *Plasmopara viticola*
M.M. Kennelly, D.M. Gadoury, W.F. Wilcox, P.A. Magarey, R.C. Seem
Phytopathology, 97:512-522, 2007
- 09-100-J Vapor activity and systemic movement of mefenoxam control grapevine downy mildew
M.M. Kennelly, D.M. Gadoury, W.F. Wilcox, R.C. Seem
Plant Disease, 91:1260-1264, 2007

- 09-101-J Addressing the gaps in our knowledge of grapevine downy mildew for improved forecasting and management
M.M. Kennelly, D.M. Gadoury, W.F. Wilcox, P.A. Magarey, R.C. Seem
Plant Health Progress, 2007
Published online,
doi:10.1094/PHP-2007-0726-03-RV

Secondary Education

- 08-101-J Writing teaching documents as a class project
K.A. Garrett, P.D. Esker, A.H. Sparks, L.C. Scharmann
The Plant Health Instructor, 2007
Published online, doi:10.1094/PHI-T-2008-0129-01-2007-12226-01

Sociology, Anthropology, and Social Work

- 02-323-J An examination of the link between employment volatility and the spatial distribution of property crime rates
K. Bausman, W.R. Goe
American J. of Economics and Sociology, 63(3):665-695, 2004

Statistics

- 00-95-J Effectiveness of a polarized laser light for measuring soil moisture content
Y. Sun, N. Zhang, N. Wang, M. Wang, T. Loughin
Transactions of the ASAE, 43(6):1963-1968, 2000
- 01-319-J Field evaluation of vegetative filter effectiveness and runoff quality from unstocked feedlots
K.R. Mankin, P.L. Barnes, J.P. Harner, P.K. Kalita, J.D. Boyer
J. of Soil and Water Conservation, 61(4):209-216, 2006
- 02-157-J Effect of glycine supplementation on sulfur amino acid utilization by growing cattle
B.D. Lambert, E.C. Titgemeyer, C.A. Loest, D.E. Johnson
J. of Animal Physiology and Animal Nutrition, 88:288-300, 2004

- 02-163-J Efficacy, adsorption, and translocation of glyphosate, glufosinate, and imazethapyr on selected weed species
N.E. Hoss, K. Al-Khatib, D.E. Peterson, T.M. Loughin
Weed Science, 51:110-117, 2003
- 02-268-J Evaluation of finishing performance, carcass characteristics, acid resistant *E. coli* and total coliforms from steers fed combinations of wet corn gluten feed and steam-flaked corn
J.J. Sindt, J.S. Drouillard, H. Thippareddi, R.K. Phebus, D.L. Lambert, S.P. Montgomery, T.B. Farran, H.J. LaBrune, R.D. Hunter, J.J. Higgins, R.T. Ethington
J. of Animal Science, 80(12):3328-3335, 2002
- 02-270-J Wet corn gluten feed and alfalfa hay combinations in steam-flaked corn finishing diets fed to cattle
J.J. Sindt, J.S. Drouillard, E.C. Titgemeyer, S.P. Montgomery, C.M. Coetzer, T.B. Farran, J.N. Pike, J.J. Higgins, R.T. Ethington
J. of Animal Science, 81(12):2121-3129, 2003
- 02-298-A Agricultural advisory committees - Important to research
D.W. Sweeney, J.S. Pontius
Proceedings of the 2002 program of the Research Center Administrators Society Orlando, FL, 2002, pp. 9-18
- 02-326-J Safening grain sorghum injury from metsulfuron with growth regulator herbicides
D.W. Brown, K. Al-Khatib, D.L. Regehr, P.W. Stahlman, T.M. Loughin
Weed Science, 52:319-325, 2004
- 02-423-J Common and specific effects of fine fragrances on the mood of women
A.N. Retiveau, E. Chambers, IV, G.A. Milliken
J. of Sensory Studies, 19:373-394, 2004
- 02-503-J Internal helminth parasites of the lesser prairie-chicken *Tympanuchus pallidicinctus* in southwestern Kansas: Incidence, burdens, and effects
R.J. Robel, T.L. Walker, C.A. Hagen, R.K. Ridley, K.E. Kemp, R.D. Applegate
Wildlife Biology, 9(1):341-349, 2003
- 03-46-J Effects of enhancing beef *longissimus* with phosphate plus salt, or calcium lactate plus non-phosphate water binders plus rosemary extract
T.E. Lawrence, M.E. Dikeman, M.C. Hunt, C.L. Kastner, D.E. Johnson
Meat Science, 67(1):129-137, 2004
- 03-54-J Simultaneous measurement of soil water content and salinity using a frequency-response method
N. Zhang, G. Fan, K.H. Lee, G. Kluitenberg, T. Loughin
Soil Science Society of America J., 68(5):1515-1525, 2004
- 03-73-J Relationships among forage yield and quality factors of hay-type sorghums
J.L. Moyer, J.O. Fritz, J.J. Higgins
Crop Management, 2003
Published online,
doi:10.1094/cm-2003-1209-01-RS
- 03-164-J Carbon monoxide in modified atmosphere packages affects color, shelf-life, and microbiology of beef steaks and ground beef
M.C. Hunt, R.A. Mancini, K.A. Hachmeister, D.H. Kropf, M. Merriman, G. DelDuca, G. Milliken
J. of Food Science, 69(1):45-52, 2004
- 03-245-J A systematic analysis of the break subsystems of a wheat flour pilot mill
J. Yuan, R.A. Flores, D. Eustace, G. Milliken
Food and Bioproducts Processing, 81(3):170-179, 2003
- 03-297-J Effect of type of supplemental carbohydrate and source of supplemental rumen degradable protein on low-quality forage utilization by beef steers
J.I. Arroquy, R.C. Cochran, T.A. Wickersham, D.A. Llewellyn, E.C. Titgemeyer, T.G. Nagaraja, D.E. Johnson
Animal Feed Science and Technology, 115:247-263, 2004
- 03-324-J Granulation sensing of first-break ground wheat using a near-infrared reflectance spectrometer
M.C. Pasikatan, C.K. Spillman, G.L. Steele, E. Haque, G.A. Milliken
Association of Operative Millers Technical Bulletin, 7947-7952, 2003

- 03-364-J Effect of supplemental types of non-fiber carbohydrate and level of rumen degradable protein on intake and digestion of low-quality grass hay by beef cattle
J.I. Arroquy, R.C. Cochran, M. Villarreal, T.A. Wickersham, D.A. Llewellyn, E.C. Titgemeyer, T.G. Nagaraja, D.E. Johnson, D. Gnad
Animal Feed Science and Technology, 115:83-99, 2004
- 03-371-A Endpoint temperature, cooking method, and marbling degree affect Warner-Bratzler shear force of beef longissimus lumborum, biceps femoris and deep pectoralis muscles differently
E. Obuz, M.E. Dikeman, J.P. Grobbel, J.W. Stephens, T.M. Loughin
Proceedings of the 49th International Congress of Meat Science and Technology Campinas, Brazil; Brazilian J. of Food Technology, special issue, 49:171-172, 2003
- 03-406-J Effect of types of non-fiber carbohydrate on in vitro forage fiber digestion of low-quality grass hay
J.I. Arroquy, R.C. Cochran, T.G. Nagaraja, E.C. Titgemeyer, D.E. Johnson
Animal Feed Science and Technology, 120:93-106, 2005
- 03-425-J Response of lactating dairy cows to diets containing wet corn gluten feed or a raw soybean hull-corn steep liquor pellet
E.E. Ferdinand, J.E. Shirley, E.C. Titgemeyer, M.J. Brouk, J.M. DeFrain, A.F. Park, D.E. Johnson, R.T. Ethington
J. of Dairy Science, 87:3899-3911, 2004
- 03-427-J Beef longissimus lumborum, biceps femoris and deep pectoralis Warner-Bratzler shear force are affected by endpoint temperature, cooking method, and USDA quality grade
E. Obuz, M.E. Dikeman, J.P. Grobbel, J.W. Stephens, T.M. Loughin
Meat Science, 68:243-248, 2004
- 04-023-J Lesser prairie-chicken usage of harvested corn fields during fall and winter in southwestern Kansas
G.C. Salter, R.J. Robel, K.E. Kemp
Prairie Naturalist, 37(1):1-10, 2005
- 04-046-J Mechanical probes can predict tenderness of cooked beef longissimus using uncooked measurements
J.W. Stephens, J.A. Unruh, M.E. Dikeman, M.C. Hunt, T.E. Lawrence, T.M. Loughlin
J. of Animal Science, 82:2077-2086, 2004
- 04-078-J Effect of grazing on legume persistence, forage production, and steer performance in endophyte-infected tall fescue pastures
L.W. Lomas, J.L. Moyer, G.L. Kilgore, G.A. Milliken
The Professional Animal Scientist, 20:46-52, 2004
- 04-080-J Effect of postruminal protein supply on the response to ruminal protein supplementation in beef steers fed a low-quality grass hay
T.A. Wickersham, R.C. Cochran, E.C. Titgemeyer, C.G. Farmer, E.A. Klevesahl, J.I. Arroquy, D.E. Johnson, D.P. Gnad
Animal Feed Science and Technology, 115:19-36, 2004
- 04-114-J Location and success of lesser prairie-chicken nests in relation to vegetation and human disturbance
J. Pitman, C. Hagen, R. Robel, T. Loughlin, R. Applegate
Prairie Naturalist, 36(2):95-101, 2004
- 04-130-S Swine day 2003
R.D. Goodband, A.T. Waylan, B.J. Johnson, J.P. Kayser, D.P. Gnad, J.D. Dunn, E.K. Sissom, J.J. Higgins, J.C. Woodworth, M.G. Young, M.D. Tokach, J. Noblet, F.X. Aherne, S.S. Dritz, J.L. Nelssen, J. van Milgen, R.G. Main, E.C. Baudon, J.D. Hancock, J.M. DeRouchey, J.L. Usry, M.U. Steidinger, N.A. Lenehan, C.W. Hastad, M.R. Barker, N.Z. Frantz, C.N. Groesbeck, B.W. James, T.P. Keegan, K.R. Lawrence, N. Llanes, T. Iwasawa, C.W. Hasted, C.L. Jones, C.W. Starkey, J.C. Nietfeld, J.E. Minton, K.M. Bond, D.J. Lee, T.E. Burkey, S.M. Hanni, J.W. Homm, J.A. Unruh, R.C. Johnson
KS Agric. Exp. Stn. Report of Progress 920, Nov. 2003
- 04-159-J The utility of lactate and rosemary in beef enhancement solutions: Effects of *longissimus* color changes during display
R.A. Mancini, M.C. Hunt, K.A. Hachmeister, M. Seyfert, D.H. Kropf, D.E. Johnson, S. Cusick, C. Morrow
J. of Muscle Foods, 16:27-36, 2005
- 04-168-J Ascorbic acid minimizes lumbar vertebrae discoloration
R.A. Mancini, M.C. Hunt, K.A. Hachmeister, D.H. Kropf, D.E. Johnson
Meat Science, 68(3):339-345, 2004

- 04-169-J A research note - Effects of endpoint temperature, pH, and storage time on cooked internal color of pork *longissimus* chops
R.A. Mancini, D.H. Kropf, M.C. Hunt, D.E. Johnson
J. of Muscle Foods, 16(1):16-26, 2005
- 04-222-J A comparison in the composition of recovered meat produced from beef neckbones processed using hand boning, a traditional advanced meat recovery (AMR) system, and a desinewated minced meat system
A.L. Bickford, J.S. Smith, J.L. Marsden, D.H. Kropf, G.A. Milliken
Meat Science, 77:602-607, 2007
- 04-242-S Cattlemen's day 2004
L.C. Hollis, J.E. Larson, G.C. Lamb, T.W. Geary, J.S. Stevenson, S.K. Johnson, M.L. Day, D.J. Kesler, J.M. DeJarnette, D.G. Landblom, D. Whittier, T.W. Marston, F.N. Schrick, J.D. Areseneau, A.W. Thompson, D.R. Eborn, L.D. Keenan, D.M. Grieger, K. Harmony, T.T. Marston, M. Sanderson, P. Chenoweth, D.A. Llewellyn, B.T. Gray, C.A. Bandyk, V.L. Martin, R. Hale, E.A. Elwakeel, E.C. Titgemeyer, J.S. Drouillard, B.J. Johnson, M.S. Awawdeh, K.C. McCuistion, D.P. Gnad, G.F. Schroeder, S.P. Montgomery, J.J. Sindt, M.A. Greenquist, W.F. Miller, J.N. Pike, E.J. Good, E.R. Loe, M.J. Sulpizio, T.J. Kessen, B.E. Depenbusch, B. Dicke, G.E. Erickson, T.J. Klopfenstein, R.T. Botts, P.T. Anderson, F.N. Owens, C.D. Lee, G.L. Bishop, J.R. Brethour, M.P. Epp, D.A. Blasi, J.P. Kayser, E.A. Koch, R.M. Breiner, J.A. Christopher, J.A. Unruh, B.B. Barnhardt, G.L. Stokka, G. Palmer, J.T. Fox, M.F. Spire, N.A. Lenehan, J.M. DeRouchey, M.L. Christian, G.L. Marchin, J.W. Homm, E. Obuz, J.W. Stephens, M.E. Dikeman, J.P. Grobbel, T.M. Loughin, G.A. Milliken, E.J. Yancey
KS Agric. Exp. Stn. Report of Progress 923, Mar. 2004
- 04-261-J Effects of L-carnitine on fetal growth and the IGF system in pigs
A.T. Waylan, B.J. Johnson, J.P. Kayser, D.P. Gnad, J.J. Higgins, J.D. Starkey, E.K. Sissom, J.C. Woodworth
J. of Animal Science, 83:1824-1831, 2005
- 04-289-J Effects of wet corn gluten feed and intake level on diet digestibility and ruminal passage rate in steers
S.P. Montgomery, J.S. Drouillard, E.C. Titgemeyer, J.J. Sindt, T.B. Farran, J.N. Pike, C.M. Coetzer, A.M. Trater, J.J. Higgins
J. of Animal Science, 82(12):3526-3536, 2004
- 04-302-J Predicting interstimulus intervals in sensory testing between samples for capsaicin-containing salsa with a range of heat levels
K.J. Dowell, E. Chambers, IV, G. Milliken, D.H. Chambers
J. of Sensory Studies, 20:187-199, 2005
- 04-312-J Physical activity minimizes the association of body fatness with abdominal obesity in white, premenopausal women: Results from the Third National Health and Nutrition Examination Survey
C.A. Holcomb, D.L. Heim, T.M. Loughin
J. of the American Dietetic Association, 104:1859-1862, 2004
- 04-349-J High-level expression of maize γ -zein protein in transgenic soybean (*Glycine max*)
Z. Li, S. Meyer, J.S. Essig, Y. Liu, M. Schapaugh, S. Muthukrishnan, B.E. Hainline, H.N. Trick
Molecular Breeding, 16:11-20, 2005
- 04-354-J Effects of dietary calorie restriction or exercise on the P13K and ras signaling pathways in the skin of mice
L. Xie, Y. Jiang, P. Ouyang, J. Chen, H. Doan, B. Herndon, J.E. Sylvester, K. Zhang, A. Molteni, M. Reichle, R. Zhang, M.D. Haub, R.C. Baybutt, W. Wang
J. of Biological Chemistry, 282:28025-28035, 2007
- 04-397-J Tillage and urea ammonium nitrate fertilizer rate and placement affects winter wheat following grain sorghum and soybean
K.W. Kelley, D.W. Sweeney
Agronomy J., 97(3):690-697, 2005
- 04-399-J Effect of *Beauveria bassiana* for red flour beetle when applied with plant essential oils or in mineral oil and organosilicone carriers
W. Akbar, J.C. Lord, J.R. Nechols, T.M. Loughin
J. of Economic Entomology, 98:683-688, 2005

- 04-404-J Exclusion of oxygen from modified-atmosphere packages limits beef rib and lumbar vertebrae marrow discoloration during display and storage
R.A. Mancini, M.C. Hunt, K.A. Hachmeister, D.H. Kropf, D.E. Johnson
Meat Science, 69(3):493-500, 2005
- 05-6-J Flavor characterization of top-blade, top-sirloin, and tenderloin steaks as affected by pH, maturity, and marbling
E.J. Yancey, M.E. Dikeman, K.A. Hachmeister, E. Chambers, IV, G.A. Milliken
J. of Animal Science, 83:2618-2623, 2005
- 05-37-J Avian community response to construction of a naturalistic golf course in tallgrass prairie in Kansas
R.J. Robel, S.L. Bye, K.E. Kemp, S.J. Thien
The Prairie Naturalist, 37(4):183-203, 2005
- 05-77-J Effects of polyvinyl chloride overwrap film, high-oxygen modified atmosphere packaging, or ultra-low oxygen modified atmosphere packaging on bone marrow discoloration in beef humerus, rib, thoracic vertebra, and scapula bones
J.P. Grobbel, M.E. Dikeman, J.S. Smith, D.H. Kropf, G.A. Milliken
J. of Animal Science, 84:694-701, 2006
- 05-123-J Serving temperature effects on milk flavor, milk aftertaste, and volatile compound quantification in nonfat and whole milk
L.L. Francis, S.H. Kong, D.H. Chambers, G.A. Milliken, I.J. Jeon, K.A. Schmidt
J. of Food Science, 70:s413-418, 2005
- 05-154-J Comparison of ascorbic acid and sodium erythorbate: Effects on the 24 h display colour of beef lumbar vertebrae and *longissimus lumborum* packaged in high-oxygen modified atmospheres
R.A. Mancini, M.C. Hunt, M. Seyfert, D.H. Kropf, K.A. Hachmeister, T.J. Herald, D.E. Johnson
Meat Science, 75(1):39-43, 2007
- 05-160-J The use of pasture reflectance characteristics and arbuscular mycorrhizal root colonization to predict pasture characteristics of tallgrass prairie grazed by cattle and bison
M. Villarreal, R. Cochran, D. Johnson, G. Towne, G. Wilson, D. Hartnett, D. Goodin
Grass and Forage Science, 61:32-41, 2006
- 05-193-J Effects of total iron, myoglobin, hemoglobin, unsaturated fatty acids, and lipid oxidation of uncooked muscles on livery flavor development, and volatiles of cooked beef steaks
E.J. Yancey, J.P. Grobbel, M.E. Dikeman, J.S. Smith, K.A. Hachmeister, E. Chambers, IV, P. Gadgil, G.A. Milliken, E.A. Dressler
Meat Science, 73:680-686, 2006
- 05-232-J Effects of feeding commercially grown pigs below or above their lysine requirement in early and late finishing on growth performance and economics
R.G. Main, S.S. Dritz, M.D. Tokach, R.D. Goodband, J.L. Nelssen, T.M. Loughlin
The Professional Animal Scientist, 24:76-87, 2008
- 05-261-J Phytochemical phenolics in organically-grown vegetables
J.E. Young, X. Zhao, T. Carey, R. Welti, T. Williams, S-S. Yang, W. Wang
Molecular Nutrition & Food Research, 49:1136-1142, 2005
- 05-299-J Effects of potassium lactate, sodium chloride, and sodium acetate on surface shininess/gloss and sensory properties of injection-enhanced beef strip-loin steaks
R.C. Knock, M. Seyfert, M.C. Hunt, M.E. Dikeman, R.A. Mancini, J.A. Unruh, J.J. Higgins, R.A. Monderen
Meat Science, 74(2):319-326, 2006
- 05-300-J Effects of potassium lactate, sodium chloride, sodium tripolyphosphate, and sodium acetate on colour, colour stability, and oxidative properties of injection-enhanced beef rib steaks
R.C. Knock, M. Seyfert, M.C. Hunt, M.E. Dikeman, R.A. Mancini, J.A. Unruh, J.J. Higgins, R.A. Monderen
Meat Science, 74(2):312-318, 2006
- 05-308-J Survival of juvenile lesser prairie-chickens in Kansas
J.C. Pitman, C.A. Hagen, B.E. Jamison, R.J. Robel, T.M. Loughlin, R.D. Applegate
Wildlife Society Bulletin, 34(3):675-681, 2006
- 05-320-A Flavor description and classification of selected natural cheeses
D.H. Chambers, E. Chambers, IV, D. Johnson
Proceedings of the 5th International Conference on Culinary Arts and Sciences
Warsaw, Poland, 2005, pp. 641-654

- 06-14-J Niche partitioning by lesser prairie-chicken (*Tympanuchus pallidicinctus*) and ring-necked pheasant (*Phasianus colchicus*) in southwestern Kansas
C.A. Hagen, J.C. Pitman, R.J. Robel, T.M. Loughin, R.D. Applegate
Wildlife Biology, 13(suppl 1):34-41, 2007
- 06-26-J Comparison of interseeding lespedeza with additional nitrogen fertilization on forage production and steer performance in a wheat-crabgrass grazing system
L.W. Lomas, J.L. Moyer, F.K. Brazle, G.L. Kilgore, G.A. Milliken
The Professional Animal Scientist, 22:1-7, 2006
- 06-57-J A comparison in the composition of recovered meat produced from beef neckbones processed using hand boning, a traditional advanced meat recovery (AMR) system, and a desinewated minced meat system
A.L. Mayer, D.A. Kropf, J.S. Smith, J.L. Marsden, G.A. Milliken
Meat Science, 77:602-607, 2007
- 06-69-J Dry aging of beef in a bag highly permeable to water vapour
M.L. Ahnstrom, M. Seyfert, M.C. Hunt, D.E. Johnson
Meat Science, 73(4):674-679, 2006
- 06-103-J Efficacy of lactic acid salts and sodium acetate on ground beef colour stability and metmyoglobin reducing activity
M. Seyfert, M.C. Hunt, M. Lundesjo Ahnstrom, D.E. Johnson, R.A. Monderen
Meat Science, 75(1):134-142, 2007
- 06-106-J Competition between western flower thrips and twospotted spider mites on ornamental plants
J. Zhi, D.C. Margolies, J.R. Nechols, J.E. Boyer, Jr.
Entomologia Experimentalis et Applicata, 21:59-66, 2006
- 06-150-J Fate of *Escherichia coli* O157:H7 during production of fermented sausage snack sticks made from beef or a venison/beef blend and directly acidified with citric or lactic acid
S.K. Stoltenberg, K.J.K. Getty, H. Thippareddi, R.K. Phebus, T.M. Loughin
J. of Food Science, 71(6):M228-M235, 2006
- 06-231-J Effects of melengestrol acetate on the inflammatory response in heifers challenged with *Mannheimia haemolytica*
M.E. Corrigan, J.S. Drouillard, M.F. Spire, D.A. Mosier, J.E. Minton, J.J. Higgins, E.R. Loe, B.E. Dejenbusch, J.T. Fox
J. of Animal Science, 85(7):1770-1779, 2007
- 06-256-J Influence of pH taken at 24 hours on quality characteristics of pork loins aged until 45 days postmortem
B.S. Andrews, S. Hutchinson, J.A. Unruh, M.C. Hunt, J.E. Boyer, Jr., R.C. Johnson
J. of Muscle Foods, 18:401-419, 2007
- 06-289-J Mechanism for lactate-color stabilization in injection-enhanced beef
Y.H. Kim, M.C. Hunt, R.A. Mancini, M. Seyfert, T.M. Loughlin, D.H. Kropf, J.S. Smith, R.A. Monderen
J. of Agricultural and Food Chemistry, 54:7856-7862, 2006
- 06-295-J Potassium lactate and fresh-pork-sausage formulation effects on shelf-life in lighted and unlighted display
M. Seyfert, M.C. Hunt, J.P. Grobbel, S.M. Ryan, D.E. Johnson, R.A. Monderen
J. of Food Science, 71(7):C390-294, 2006
- 06-301-A Effects of potassium lactate and display lighting on shelf-life of fresh pork sausage patties
S.M. Ryan, M. Seyfert, M.C. Hunt, J.P. Grobbel, D.E. Johnson, R.A. Monderen
Proceedings of the 52nd International Congress of Meat Science and Technology Dublin, Ireland, 2006
- 06-320-J Growth characteristics, blood metabolites, and insulin-like growth factor system components in maternal tissues of gilts fed L-carnitine through day seventy of gestation
K.R. Brown, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.E. Minton, J.J. Higgins, J.C. Woodworth, B.J. Johnson
J. of Animal Science, 85:1687-1694, 2007
- 06-321-J L-carnitine alters insulin-like growth factor-1 (IGF-1), insulin-like growth factor binding protein-3 (IGFBP-3), and -5 mRNA in the endometrium of the gilt
K.R. Brown, R.D. Goodband, M.D. Tokach, S.S. Dritz, J.L. Nelssen, J.E. Minton, J.J. Higgins, J.C. Woodworth, B.J. Johnson
J. of Animal Science, 85:1687-1694, 2007

- 06-344-J Effects of ascorbic acid and citric acid on beef lumbar vertebrae surface colour
R.A. Mancini, M.C. Hunt, D.H. Kropf, K.A. Hachmeister, T.J. Herald, D.E. Johnson
Meat Science, 76(3):568-573, 2007
- 06-345-J *Phytoseiulus persimilis* response to herbivore-induced plant volatiles as a function of mite days
P. Nachappa, D.C. Margolies, J.R. Nechols, T. Loughin
Experimental and Applied Acarology, 40:231-239, 2007
- 07-22-J Best mix practices to minimize the particle size of reconstituted nonfat dry milk
J.E. Bock, G.A. Milliken, K.A. Schmidt
J. of Food Processing and Preservation, 32(1):60-74, 2008
- 07-30-J Consumer sensory analysis of organically and conventionally grown vegetables
X. Zhao, E. Chambers, IV, Z. Matta, T.M. Loughin, E.E. Carey
J. of Food Science, 72(2):s87-s91, 2007
- 07-35-J Ecological genomics: Making the leap from model systems in the lab to native populations in the field
S.E. Travers, M.D. Smith, J. Bai, S.H. Hulbert, J.E. Leach, P.S. Schnable, A.K. Knapp, G.A. Milliken, P.A. Fay, A. Saleh, K.A. Garrett
Frontiers in Ecology and the Environment, 5:19-24, 2007
- 07-48-J Efficacy of monensin and tylosin in finishing diets based on steam-flaked corn with and without corn wet distiller's grains with solubles
B.E. Depenbusch, J.S. Drouillard, E.R. Loe, J.J. Higgins, M.E. Corrigan, M.J. Quinn
J. of Animal Science, 86:2270-2276, 2008
- 07-93-J Experimental design for two-color microarrays applied in a pre-existing experiment
G.A. Milliken, K.A. Garrett, S.E. Travers
Statistical Applications in Genetics and Molecular Biology, 6:article 20, 2007
- 07-137-J Evaluation of performance and immune response in feeder cattle fed different sources of dietary lipids
T.B. Farran, C.D. Reinhardt, J.S. Drouillard, D.A. Blasi, H.J. LaBrune, J.E. Minton, T.H. Elsasser, R.D. Hunter, J.J. Higgins
J. of Animal Science, 86(6):1382-94, 2008
- 07-179-S Beef cattle research 2007
J.S. Drouillard, C.A. Dobbins, D.E. Tenhouse, D.R. Eborn, S.K. Johnson, K.R. Harmony, J.S. Stevenson, M.G. Burns, B.S. Buttrey, J.E. Larson, B.J. Lovaas, G.C. Lamb, K.C. Olson, D.M. Grieger, S.J. Breiner, K.M. Boone, D.A. Blasi, S.A. Grau, T.C. Schroeder, B.B. Barnhardt, R.M. Breiner, A.M. Bryant, D.L. Pendell, M.P. Epp, M.F. Spire, B.J. White, R.L. Larson, D.U. Thomson, A. Garmyn, D. Moser, M.E. Dikeman, A.L. Van Eenennaam, J. Li, R.M. Thallman, R.L. Quaas, C. Gill, D.E. Franke, M.G. Thomas, P.J. Guiroy, G.F. Schroeder, E.C. Titgemeyer, E.S. Moore, J.O. Wallace, W.F. Miller, B.J. Johnson, C.D. Reinhardt, J.A. Christopher, T.T. Marston, M.L. May, M.J. Quinn, C.E. Walker, B.E. Depenbusch, E.R. Loe, M.E. Corrigan, T.A. Wickersham, R.C. Cochran, E.E. Wickersham, D.P. Gnad, T.G. Nagaraja, A.B. Thornton, J.T. Fox, G.H. Loneragan, D. Burkhardt, M.E. Jacob, S.L. Reinstein, C.R. Raines, J.A. Unruh, M.C. Hunt, J.J. Higgins, J.L. Marsden, S. Hutchison, F. Ameri, J.S. Smith, P. Gadgil, M.N. Roberts, K.J.K. Getty, E.A.E. Boyle, F. Hijaz, C.L. Kastner
KS Agric. Exp. Stn. Report of Progress 978, Mar. 2007
- 07-226-J Testing wheat in variable environments: Genotype, environment, interaction effects and grouping test locations
K. Roozeboom, W. Schapaugh, M.R. Tuinstra, R.L. Vanderlip, G.A. Milliken
Crop Science, 48:317-330, 2008
- 07-239-J The effects of feeding flaxseed during the receiving period on morbidity, mortality, performance, and carcass characteristics of heifers
M.J. Quinn, E.S. Moore, D.U. Thomson, B.E. Depenbusch, M.L. May, J.J. Higgins, J.F. Carter, J.S. Drouillard
J. of Animal Science, 86:3054-3061, 2008
- 07-309-J Ecological and epidemiological concepts in R: Disease progress over time
A.H. Sparks, P.D. Esker, M.B. Bates, W. Dall'Acqua, Z. Guo, V. Segovia, S.D. Silwal, S. Tolos, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-02

08-19-J Effects of packaging atmospheres on beef instrumental tenderness, fresh color stability, and internal cooked color
J.P. Grobbel, M.E. Dikeman, M.C. Hunt, G.A. Milliken
J. of Animal Science, 86(5):1191-1199, 2008

08-100-J Ecology and epidemiology in R: Disease forecasting
P.D. Esker, A.H. Sparks, L. Campbell, Z. Guo, M. Rouse, S.D. Silwal, S. Tolos, B. Van Allen, K.A. Garrett
The Plant Health Instructor, 2008
Published online,
doi:10.1094/PHI-A-2008-0129-03

08-183-J Quantifying the effects of lance nematode parasitism in creeping bentgrass
D.M. Settle, J.D. Fry, G.A. Milliken, N.A. Tisserat, T.C. Todd
Plant Disease, 91:1170-1179, 2007

08-212-S Beef cattle research 2008
A.L. Mayer, J.A. Gunderson, A.S. Lobaton-Sulabo, E.A.E. Boyle, T.A. Houser, J.J. Higgins, S. Hutchison, J.A. Unruh, M.J. Daniel, M.C. Hunt, C. Raines, J.P. Grobbel, M.E. Dikeman, G.A. Milliken, A.M. Arnett, M.D. Thomas, K.C. Olson, J.S. Stevenson, J.R. Jaeger, J.W. Bolte, N.A. Sproul, D.A. Linden, K. Dhuyvetter, T. Schroeder, J.M. DeRouchey, S.Q. Jones, J.M. Ham, J.S. Drouillard, R.A. Kreikemeier, L.A. Pacheco, D.U. Thomson, B.J. White, R.L. Larson, J. Minick Bormann, D.W. Moser, T.T. Marston, T.W. Van Winkle, C.O. Anglin, D.A. Blasi, C.D. Reinhardt, M.P. Epp, R.D. Derstein, B.B. Barnhardt, S. Uwituze, B.E. Deppenbusch, K.K. Karges, M.L. Gibson, M.L. May, M.J. Quinn, M.J. Hands, J.O. Wallace, L. Murray, D.R. Linden, D.E. Anderson, T.J. Baxa, J.P. Hutcheson, M.F. Miller, W.T. Nichols, M.N. Streeter, D.A. Yates, B.J. Johnson
KS Agric. Exp. Stn. Report of Progress 995, Mar. 2008

08-288-S Field day 2008, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, C. Thompson, T. Dumler, L. Haag, L. Stone, M. Alam, N. Klocke, R. Currie, M. Brouk, J. Lee, P. Westra, J. Fenderson, J. Tichota, J. Mueller, J. Holman, T. Gillum, M. Deewall, A. Burns, H. Davis, L. Buschman, P. Sloderbeck, A. Joshi, T. Niide, W.B. Gordon, C. Khajuria, M. Stamm, G. Miller, S. Maxwell, R. Hale, T. Herrman, L. Murray, K. Roozeboom, D. Yauk
KS Agric. Exp. Stn. Report of Progress 997, Apr. 2008

Publications without contribution numbers

Calculation of sample number to accurately measure available pasture forage
J.L. Moyer, J.J. Higgins
Forage and Grazinglands, 2005
Published online,
doi:10.1094/FG-2005-1123-01-BR

Prevention of the epidemic increase in child risk of overweight in low-income schools: The El Paso coordinated approach to child health
K.J. Coleman, C.L. Tiller, J. Sanchez, E.M. Heath, O. Sy, G. Milliken, D.A. Dzewaltowski
Archives of Pediatric and Adolescent Medicine, 159:217-224, 2005

On the analysis of long-term experiments
T.M. Loughin, M.P. Roediger, G.A. Milliken, J.P. Schmidt
J. of the Royal Statistical Society, Series A, 170(1):29-42, 2007

Agricultural Research Center–Hays

98-214-J Steer nutritional response to intensive-early stocking on shortgrass rangeland
K.C. Olson, J.R. Jaeger, J.R. Brethour, T.B. Avery
J. of Range Management, 55:222-228, 2002

01-65-J Genetic analysis of feed quality and seed weight of sorghum inbred lines and hybrids using analytical methods and NIRS
C. Hicks, M.R. Tuinstra, J. Pedersen, F.E. Dowell, K. Kofoid
Euphytica, 127:31-40, 2002

- 02-324-J Application timing affects BAY MKH 6561 and MON 37500 efficacy and crop response in winter wheat
P.W. Geier, P.W. Stahlman, D.E. Peterson, S.D. Miller
Weed Technology, 16:800-806, 2002
- 02-326-J Safening grain sorghum injury from metsulfuron with growth regulator herbicides
D.W. Brown, K. Al-Khatib, D.L. Regehr, P.W. Stahlman, T.M. Loughin
Weed Science, 52:319-325, 2004
- 02-465-J Agronomic and quality attributes of winter durum wheat for the Great Plains
V. Marque, A.K. Fritz, T.J. Martin, G.M. Paulsen
Crop Science, 44:878-883, 2004
- 03-58-J Resistance to the wheat curl mite (Acari: Eriophyidae) prevents loss in wheat yield
T.L. Harvey, T.J. Martin, D.L. Seifers
J. of Agricultural and Urban Entomology, 20:7-11, 2003
- 03-189-J Reaction of the 2002 Kansas Intrastate Nursery to Fusarium head blight, 2002
W.W. Bockus, A.K. Fritz, T.J. Martin
Biological and Cultural Tests (APS), 18, 2003
Published online,
APSNET.org/online/BCTests/
- 03-255-J Soil pH and cation exchange capacity affects sunflower tolerance to sufentrazone
G.W. Kerr, P.W. Stahlman, J.A. Dille
Weed Technology, 18(2):243-247, 2004
- 03-292-J Impact of integrated management systems on jointed goatgrass (*Aegilops cylindrica*) populations
A.D. White, P.W. Stahlman, F.E. Northam
Weed Science, 52:1010-1017, 2004
- 03-309-J Herbicide effects on established yellow bluestem (*Bothriochloa ischaemum*)
K.R. Harmony, P.W. Stahlman, K.R. Hickman
Weed Technology, 18:545-550, 2004
- 03-343-J Imazamox for winter annual grass control in imidazolinone-tolerant winter wheat
P.W. Geier, P.W. Stahlman, A.D. White, S.D. Miller, C.M. Alford, D.J. Lyon
Weed Technology, 18:924-930, 2004
- 03-423-S Agronomy field research 2003
L.D. Maddux, S. Staggenborg, K.A. Janssen, D.A. Whitney, G.M. Pierzynski, J.L. Moyer, C.M. Taliaferro, W.B. Gordon, M.M. Claassen, G.E. Wilde, K.L. Roozeboom, D.L. Fjell, D.L. Regehr, R.E. Lamond, R. Aiken, L.D. Charlet, R.D. Stockton, M. Tuinstra, K. Kofoid, V.L. Martin, R. Hale, D. Blasi, W.F. Heer, R.R. Janke, S.R. Duncan, D. O'Brien, D. Belshe, D.E. Peterson, T.M. Maxwell
KS Agric. Exp. Stn. Report of Progress 913, Jan. 2004
- 04-008-S 2003 Kansas performance tests with winter wheat varieties
K. Roozeboom, W.W. Bockus, A. Fritz, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, V. Martin, E. Parker, B. Seabourn, R. Lamond, R. Bennett
KS Agric. Exp. Stn. Report of Progress 912, July 2003
- 04-075-J Effect of Roundup Ready wheat on greenbug, Russian wheat aphid, and wheat curl mite
T.L. Harvey, T.J. Martin, D. Seifers
J. of Agricultural and Urban Entomology, 20:203-206, 2003
- 04-148-J Influence of betaine on pasture, finishing and carcass performance in steers
B.J. Bock, J.R. Brethour, K.R. Harmony, S.R. Goodall
The Professional Animal Scientist, 20:53-57, 2004
- 04-149-J The relationship of average backfat thickness of feedlot steers to performance, and relative efficiency of fat and protein retention
J.R. Brethour
J. of Animal Science, 82:3366-3372, 2004
- 04-150-S 2004 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.E. Peterson, D.L. Regehr, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 917, Jan. 2004

- 04-165-S 2003 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 914, Nov. 2003
- 04-167-S 2003 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 915, Nov. 2003
- 04-180-A Effectiveness of mestriane for weed control in grain sorghum
C.R. Thompson, M.M. Claassen, L.D. Maddux, D.L. Regehr, A.J. Schlegel, J. Frihauf, P.W. Stahlman
Proceedings of the North Central Weed Science Society
Columbus, OH, 2004, 59:69
- 04-192-S 2003 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., K. Roozeboom, M. Claassen, W.B. Gordon, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T. McClelland, M. Witt
KS Agric. Exp. Stn. Report of Progress 916, Dec. 2003
- 04-201-J Registration of greenbug resistant sorghum germplasm lines KS 116 A/B - KS 120 A/B
K.D. Kofoid, T.L. Harvey
Crop Science, 45:802, 2005
- 04-202-J Biological and molecular variability among High Plains virus isolates
D.L. Seifers, Y.-M. She, T.L. Harvey, T.J. Martin, S. Haben, V. Ens, K.G. Standing, R. Louie, D.T. Gordon
Plant Disease, 88(8):824-829, 2004
- 04-207-S Kansas fertilizer research 2003
R. Lamond, M. Claassen, L.J. Ferdinand, H.C. George, C.B. Godsey, W.B. Gordon, J.L. Heitman, J.C. Herman, K. Janssen, K. Kelley, D. Key, G. Kluitenberg, D. Leikam, J. Massey, G.M. Pierzynski, A. Schlegel, L.R. Stone, D. Sweeney, C.A. Thompson, C.R. Thompson, D.A. Whitney
KS Agric. Exp. Stn. Report of Progress 921, Jan. 2004
- 04-242-S Cattlemen's day 2004
L.C. Hollis, J.E. Larson, G.C. Lamb, T.W. Geary, J.S. Stevenson, S.K. Johnson, M.L. Day, D.J. Kesler, J.M. DeJarnette, D.G. Landblom, D. Whittier, T.W. Marston, F.N. Schrick, J.D. Areseneau, A.W. Thompson, D.R. Eborn, L.D. Keenan, D.M. Grieger, K. Harmony, T.T. Marston, M. Sanderson, P. Chenoweth, D.A. Llewellyn, B.T. Gray, C.A. Bandyk, V.L. Martin, R. Hale, E.A. Elwakeel, E.C. Titgemeyer, J.S. Drouillard, B.J. Johnson, M.S. Awawdeh, K.C. McCuiston, D.P. Gnad, G.F. Schroeder, S.P. Montgomery, J.J. Sindt, M.A. Greenquist, W.F. Miller, J.N. Pike, E.J. Good, E.R. Loe, M.J. Sulpizio, T.J. Kessen, B.E. Depenbusch, B. Dicke, G.E. Erickson, T.J. Klopfenstein, R.T. Botts, P.T. Anderson, F.N. Owens, C.D. Lee, G.L. Bishop, J.R. Brethour, M.P. Epp, D.A. Blasi, J.P. Kayser, E.A. Koch, R.M. Breiner, J.A. Christopher, J.A. Unruh, B.B. Barnhardt, G.L. Stokka, G. Palmer, J.T. Fox, M.F. Spire, N.A. Lenehan, J.M. DeRouche, M.L. Christian, G.L. Marchin, J.W. Homm, E. Obuz, J.W. Stephens, M.E. Dikeman, J.P. Grobbel, T.M. Loughin, G.A. Milliken, E.J. Yancey
KS Agric. Exp. Stn. Report of Progress 923, Mar. 2004
- 04-255-J Adaptive significance of sibling egg cannibalism in Coccinellidae: Comparative evidence from three species
J.P. Michaud, A.K. Grant
Annals of the Entomological Society of America, 97(4):710-719, 2004
- 04-272-S 2003 Kansas performance tests with summer annual forages
K. Roozeboom, W. Heer, P. Evans, K. Kofoid
KS Agric. Exp. Stn. Report of Progress 925, Mar. 2004

- 04-293-J Comparative morphology of Caucasian old world bluestem and native grasses
K.R. Harmony K.R. Hickman
Agronomy J., 96:1540-1544, 2004
- 04-294-J Growth responses of perennial cool-season grasses grazed intermittently
K.R. Harmony
Forage and Grazinglands, 2005
Published online,
doi:10.1094/FG-2005-0105-01-RS
- 04-296-J Prairie cupgrass (*Eriochloa contracta*) and windmillgrass (*Chloris verticillata*) response to glyphosate and acetyl-CoA carboxylase-inhibiting herbicides
D.S. Hennigh, K. Al-Khatib, P.W. Stahlman, D.E. Shoup
Weed Science, 53:315-322, 2005
- 04-325-J Comparative biology of three cereal aphids on TAM 107 wheat
J.A. Qureshi, J.P. Michaud
Environmental Entomology, 34(1):27-36, 2005
- 04-348-J Suitability of pollen sources for the development and reproduction of *Coleomegilla maculata* (Coleoptera: Coccinellidae) under simulated drought conditions
J.P. Michaud, A.K. Grant
Biological Control, 32:363-370, 2005
- 04-356-J Characterization of a distinct johnsongrass mosaic virus strain isolated from sorghum in Nigeria
D.L. Seifers, S. Haber, W. Ens, Y.-M. She, K.G. Standing, R. Salomon
Archives of Virology, 150:557-576, 2005
- 04-395-J Molecular mapping of sorghum genes expressing tolerance to damage by the greenbug (Homoptera: Aphidae)
N. Nagaraj, J.C. Reese, M.R. Tuinstra, C.M. Smith, P. St. Amand, M.B. Kirkham, K.D. Kofoid, L.R. Campbell, G.E. Wilde
J. of Economic Entomology, 98(2):595-602, 2005
- 04-451-J Fertilizer rate and placement alters triticale forage yield and quality
K.R. Harmony, C.A. Thompson
Forage and Grazinglands, 2005
Published online,
doi:10.1094/FG-2005-0512-01-RS
- 05-16-J Effect of resistance to wheat streak mosaic virus on transmission efficiency of wheat curl mites.
T.L. Harvey, D.L. Seifers, T.J. Martin, J.P. Michaud
J. of Agricultural and Urban Entomology, 22(1):1-6, 2005
- 05-22-J Interactions among three species of cereal aphids simultaneously infesting wheat.
J.A. Qureshi, J.P. Michaud
J. of Insect Science, 5(13)1-8, 2005
- 05-27-S 2004 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, E. Parker, B. Seabourn, R. Lamond, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 930, July 2004
- 05-60-J Larval preference for a wheat cultivar in the army cutworm (Lepidoptera: Noctuidae)
J.P. Michaud, T.J. Martin, J.L. Jyoti
J. of the Kansas Entomological Society, 79(1):28-33, 2006
- 05-89-J Wheat response to simulated drift of glyphosate and imazamox applied at two growth stages
Z.A. Deeds, K. Al-Khatib, D.E. Peterson, P.W. Stahlman
Weed Technology, 20(1):23-31, 2006
- 05-101-J Comparative biology of a novel strain of Russian wheat aphid (Homoptera: Aphididae) on three wheat cultivars
J.L. Jyoti, J.P. Michaud
J. of Economic Entomology, 98(3):1032-1039, 2005
- 05-138-J Adult dispersal of *Ostrinia nubilalis* Hubner (Lepidoptera: Crambidae) and its resistance management in Bt maize
J.A. Qureshi, L.L. Buschman, J.E. Throne, S.B. Ramaswamy
J. of Applied Entomology, 129(6):281-292, 2005
- 05-143-S 2005 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 942, Jan. 2005

- 05-145-S 2004 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 932, Nov. 2004
- 05-166-S 2004 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 933, Dec. 2004
- 05-169-J On the assessment of prey suitability in aphidophagous Coccinellidae
J.P. Michaud
European J. of Entomology, 102:385-390, 2005
- 05-175-J Association of a virus with wheat displaying yellow head disease symptoms in the Great Plains
D.L. Seifers, T.L. Harvey, T.J. Martin, S. Haber, Y.-M. She, W. Ens, K.G. Standing, R. Salomon, A. Gera
Plant Disease, 89:888-895, 2005
- 05-194-S 2004 Kansas performance tests with sunflower hybrids
P. Evans, M. Claassen, J.R. Cochrane, W. Heer, M. Knapp, K. Kofoid, K. Roozeboom, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 936, Jan. 2005
- 05-204-J KIH-485 and S-metolachlor efficacy comparisons in conventional and no-tillage corn
P.W. Geier, P.W. Stahlman, J.C. Frihauf
Weed Technology, 20(3):622-626, 2006
- 05-220-J The biology and behavior of the longhorned beetle, *Dectes texanus* on soybean and sunflower
J.P. Michaud, A.K. Grant
J. of Insect Science, 5(25):1-15, 2005
- 05-224-S 2004 Kansas performance tests with summer annual forages
K. Roozeboom, W. Heer, P. Evans, K. Kofoid, K. Harmoney
KS Agric. Exp. Stn. Report of Progress 938, Mar. 2005
- 05-268-J Induction of reproductive diapause in *Hippodamia convergens* (Coleoptera: Coccinellidae) hinges on prey quality and availability
J.P. Michaud, J.A. Qureshi
European J. of Entomology, 102:483-487, 2005
- 05-278-J Differential colonization of wheat cultivars by two biotypes of the Russian wheat aphid (Homoptera: Aphididae)
J.A. Qureshi, J.L. Jyoti, J.P. Michaud
Insect Science, 12:341-349, 2005
- 05-292-J Temperature sensitivity and efficacy of wheat streak mosaic virus resistance derived from CO960293 wheat
D.L. Seifers, T.J. Martin, T.L. Harvey, S. Haber, S.D. Haley
Plant Disease, 90(5):623-628, 2006
- 05-328-J Virulence of two Russian wheat aphid biotypes to eight wheat cultivars at two temperatures
J.L. Jyoti, J.A. Qureshi, J.P. Michaud, T.J. Martin
Crop Science, 46:774-780, 2006
- 06-11-S 2005 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Spangler, E. Parker, B. Seabourn, M. Knapp, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 947, July 2005
- 06-68-J Feral rye (*Secale cereale*) in agricultural production systems
A.D. White, D.J. Lyon, C. Mallory-Smith, C. Medlin, J.P. Yenish
Weed Technology, 20(3):815-823, 2006
- 06-70-J Resistance to biotype 2 Russian wheat aphid (Homoptera: Aphididae) in two wheat lines
J.A. Qureshi, J.P. Michaud, T.J. Martin
J. of Economic Entomology, 99(2):544-550, 2006

- 06-74-J Isolation, purification, and transmission of the High Plains virus
R. Louie, D.L. Seifers, O.E. Bradfute
J. of Virological Methods, 135:214-222, 2006
- 06-108-S 2005 Kansas performance tests with corn hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gorgon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 949, Nov. 2005
- 06-125-S 2006 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 958, Jan. 2006
- 06-127-S 2005 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 950, Nov. 2005
- 06-152-S 2005 Kansas performance tests with sunflower hybrids
P. Evans, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 953, Dec. 2005
- 06-207-S 2005 Kansas performance tests with summer annual forages
K. Roozeboom, W. Heer, P. Evans, K. Kofoid, K. Harmony
KS Agric. Exp. Stn. Report of Progress 955, Feb. 2006
- 06-220-J Grazing and burning Japanese brome (*Bromus japonicus*) on mixed grass rangelands
K.R. Harmony
Rangeland Ecology and Management, 60(5):479-486, 2007
- 06-228-J Reproductive diapause in *Hippodamia convergens* (Coleoptera: Coccinellidae) and its life history consequences
J.P. Michaud, J.A. Qureshi
Biological Control, 39:193-200, 2006
- 06-235-J Plant population and weeds influence stalk insects, soil moisture, and yield in rainfed sunflowers
J.A. Qureshi, P.W. Stahlman, J.P. Michaud
Insect Science, 14:425-435, 2007
- 06-278-J Impact of the stem borer, *Deftes texanus*, on yield of the cultivated sunflower, *Helianthus annuus*
J.P. Michaud, A.K. Grant, J.L. Jyoti
J. of Insect Science, 7(21):1-14, 2007
- 06-318-J Positive correlation of fitness with group size in two biotypes of Russian wheat aphid (Homoptera: Aphididae)
J.P. Michaud, J.L. Jyoti, J.A. Qureshi
J. of Economic Entomology, 99(4):1214-1224, 2006
- 06-335-J The number of experiments needed to determine wheat disease phenotypes for four wheat diseases
W.W. Bockus, Z. Su, K.A. Garrett, B.S. Gill, J.P. Stack, A.K. Fritz, K.L. Roozeboom, T.J. Martin
Plant Disease, 91(1):103-108, 2007
- 07-2-J Suppression of Caucasian old world bluestem by split application of herbicides
K.R. Harmony, P.W. Stahlman, K.R. Hickman
Weed Technology, 21:573-577, 2007
- 07-8-S 2006 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, D. Jardine, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, E. Parker, J. Lingenfelter, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 967, Aug. 2006
- 07-42-J Fluroxypyr efficacy is affected by relative humidity, temperature, and soil moisture
M.D. Lubbers, P.W. Stahlman, K. Al-Khatib
Weed Science, 55:260-263, 2007

- 07-43-J Persistence of heavily grazed cool-season grasses in the central Great Plains
K.R. Harmony
Forage and Grazinglands, 2007
Published online,
doi:10.1094/FG-2007-0625-01-RS
- 07-44-J Repellency of conspecific and heterospecific larval residues to *Hippodamia convergens* (Coleoptera: Coccinellidae) ovipositing on sorghum plants
J.P. Michaud, J.L. Jyoti
European J. of Entomology, 104:399-405, 2007
- 07-67-J Management effects on soil physical properties in long-term tillage studies in Kansas
K.A. McVay, J.A. Budde, K. Fabrizzi, M.M. Mikha, C.W. Rice, A.J. Schlegel, D.E. Peterson, D.W. Sweeney, C. Thompson
Soil Science Society of America J., 70:434-438, 2006
- 07-100-S 2006 Kansas performance tests with grain sorghum hybrids
J. Lingenfelter, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 969, Nov. 2006
- 07-101-J Temperature-sensitive wheat streak mosaic virus resistance identified in KS03HW12 wheat
D.L. Seifers, T.J. Martin, S. Haber
Plant Disease, 91(8):1029-1033, 2007
- 07-106-S 2006 Kansas performance tests with corn hybrids
J. Lingenfelter, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 968, Dec. 2006
- 07-127-J Sunflowers as a trap crop for reducing soybean losses to the stalk borer *Dectes texanus* (Coleoptera: Cerambycidae)
J.P. Michaud, J.A. Qureshi, A.K. Grant
Pest Management Science, 63:903-909, 2007
- 07-131-J Mechanical properties and anatomical components of stems of 42 grass species
L.S. Evans, Z. Kahn-Jetter, C. Marks, K.R. Harmony
J. of the Torrey Botanical Society, 134(4):458-467, 2007
- 07-138-S 2007 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 977, Jan. 2007
- 07-144-S 2006 Kansas performance tests with sunflower hybrids
P. Evans, J.E. Lingenfelter, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 972, Dec. 2006
- 07-311-J Dietary complementation across life stages in the polyphagous lady beetle *Coleomegilla maculata*
J.P. Michaud, J.L. Jyoti
Entomologia Experimentalis et Applicata, 126:40-45, 2007
- 08-11-S 2007 Kansas performance tests with winter wheat varieties
J. Lingenfelter, K. Roozeboom, A. Fritz, E. De Wolf, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, M. Spangler, A. Schlegel, R. Chen, L. McLaughlin, R. Miller, B. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 982, Aug. 2007
- 08-70-J Triticum mosaic virus: A new virus isolated from wheat in Kansas
D.L. Seifers, T.J. Martin, T.L. Harvey, J.P. Fellers, J.P. Stack, M. Ryba-White, S. Haber, O. Krokhin, V. Spicer, N. Lovat, A. Yamchuk, K.G. Standing
Plant Disease, 92(5):808-817, 2008
- 08-119-J Case study: Pattern of parturition as affected by time of feeding and prediction of the time of day that parturition will occur in spring-calving beef cows
J.R. Jaeger, KC Olson, T. DelCurto, A. Qu
The Professional Animal Scientist, 24:247-253, 2008

- 08-120-S 2007 Kansas performance tests with corn hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 983, Oct. 2007
- 08-134-S 2008 Chemical weed control for field crops, pastures, rangeland, and noncropland
D.L. Regehr, D.E. Peterson, W.H. Fick, P.W. Stahlman, R.E. Wolf
KS Agric. Exp. Stn. Report of Progress 994, Jan. 2008
- 08-148-S 2007 Kansas performance tests with grain sorghum hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, P. Vadlani, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 986, Dec. 2007
- 08-174-S 2007 Kansas performance tests with sunflower hybrids
P. Evans, J.E. Lingenfelter, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 989, Dec. 2007
- 08-331-A Beef cow performance following rumen-protected choline supplementation during the periparturient period
J.R. Jaeger, S.R. Goodall, K.R. Harmony, KC Olson
Proceedings of the Western Section, American Society of Animal Science, 2008, 59:114-117
- Northwest Research-Extension Center**
- 01-183-J Subsurface drip irrigation for corn production: A review of 10 years of research in Kansas
F.R. Lamm, T.P. Trooien
Irrigation Science, 22(3-4):195-200, 2003
- 03-403-J Development of a best management practice for nitrogen fertigation of corn using SDI
F.R. Lamm, A.J. Schlegel, G.A. Clark
Applied Engineering in Agriculture, 20(2):211-220, 2004
- 03-423-S Agronomy field research 2003
L.D. Maddux, S. Staggenborg, K.A. Janssen, D.A. Whitney, G.M. Pierzynski, J.L. Moyer, C.M. Taliaferro, W.B. Gordon, M.M. Claassen, G.E. Wilde, K.L. Roozeboom, D.L. Fjell, D.L. Regehr, R.E. Lamond, R. Aiken, L.D. Charlet, R.D. Stockton, M. Tuinstra, K. Kofoid, V.L. Martin, R. Hale, D. Blasi, W.F. Heer, R.R. Janke, S.R. Duncan, D. O'Brien, D. Belshe, D.E. Peterson, T.M. Maxwell
KS Agric. Exp. Stn. Report of Progress 913, Jan. 2004
- 04-001-J Seed treatments for control of insect pests of sorghum and their effect on yield
G. Wilde, K. Roozeboom, M. Claassen, K. Janssen, M. Witt, P. Evans, T. Harvey, J. Long
Southwestern Entomologist, 29:209-223, 2004
- 04-008-S 2003 Kansas performance tests with winter wheat varieties
K. Roozeboom, W.W. Bockus, A. Fritz, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, V. Martin, E. Parker, B. Seabourn, R. Lamond, R. Bennett
KS Agric. Exp. Stn. Report of Progress 912, July 2003
- 04-079-J Applying thermal time scales to sunflower development
R.M. Aiken
Agronomy J., 97(3):746-754, 2005
- 04-165-S 2003 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebke, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 914, Nov. 2003

- 04-167-S 2003 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 915, Nov. 2003
- 04-192-S 2003 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., K. Roozeboom, M. Claassen, W.B. Gordon, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T. McClelland, M. Witt
KS Agric. Exp. Stn. Report of Progress 916, Dec. 2003
- 04-215-S 2003 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Witt, W.B. Gordon, W. Heer
KS Agric. Exp. Stn. Report of Progress 918, Dec. 2003
- 04-229-S 2003 Kansas performance tests with sunflower hybrids
P. Evans, M. Claassen, J.R. Cochrane, W. Heer, M. Knapp, K. Roozeboom, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 922, Jan. 2004
- 04-245-S 2003 National winter canola variety trial
C. Rife, R. Aiken, R. Auld, R. Bacon, D. Baltensperger, U. Bishnoi, H. Bhardwaj, D. Bordovsky, E. Cebert, E. Christmas, S. Conley, P. Evans, R. Freed, W. Heer, K. Janssen, J. Johnson, J. Johnson, J. Kelly, J. Klein, R. Kochenower, J. Krall, K. Kusel, K. Larson, J. Long, L. Murdock, L. Nelson, P. Raymer, T. Reinbolt, P. Rose, M. Schmidt, G. Schwab, R. Smoot, D. Starnier, M. Witt
KS Agric. Exp. Stn. Report of Progress 924, Feb. 2004
- 04-272-S 2003 Kansas performance tests with summer annual forages
K. Roozeboom, W. Heer, P. Evans, K. Kofoid
KS Agric. Exp. Stn. Report of Progress 925, Mar. 2004
- 04-330-S Field day 2004, Southwest Research-Extension Center
R. Currie, J. Elliott, D. Bond, D. Nolan, M. Witt, A. Schlegel, L. Stone, T. Dumler, C. Thompson, R. Stockton, D. Leikam, B. Olson, R. Aiken, N. Klocke, P. Sloderbeck, L. Buschman, R. Higgins
KS Agric. Exp. Stn. Report of Progress 927, May 2004
- 05-27-S 2004 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, E. Parker, B. Seabourn, R. Lamond, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 930, July 2004
- 05-133-J Dripline depth effects on corn production when crop establishment is nonlimiting
F.R. Lamm, T.P. Trooien
Applied Engineering in Agriculture, 21(5):835-840, 2005
- 05-145-S 2004 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 932, Nov. 2004
- 05-166-S 2004 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 933, Dec. 2004
- 05-167-S 2004 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., K. Roozeboom, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, J. Long, M. Witt
KS Agric. Exp. Stn. Report of Progress 934, Dec. 2004

- 05-168-S 2004 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Witt, W. Heer, L. Maddux, W.B. Gordon
KS Agric. Exp. Stn. Report of Progress 935, Dec. 2004
- 05-194-S 2004 Kansas performance tests with sunflower hybrids
P. Evans, M. Claassen, J.R. Cochrane, W. Heer, M. Knapp, K. Kofoid, K. Roozeboom, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 936, Jan. 2005
- 05-206-A Key considerations for a successful subsurface drip irrigation (SDI) system
D.H. Rogers, F.R. Lamm
Proceedings of the Central Plains Irrigation Conference and Exposition
Sterling, CO, 2005, pp. 113-118
- 05-207-A Summer crop production as related to irrigation capacity
F.R. Lamm, L.R. Stone
Proceedings of the Central Plains Irrigation Conference and Exposition
Sterling, CO, 2005, pp. 57-67
- 05-208-A Impact of wide drop spacing and sprinkler height for corn production
C.D. Yonts, W. Kranz, D. Martin, F.R. Lamm, J. Payero
Proceedings of the Central Plains Irrigation Conference and Exposition
Sterling, CO, 2005, pp. 99-106
- 05-209-S 2004 Kansas performance tests with spring small grains
K. Roozeboom, J.R. Cochrane, J. Shroyer, E.O. Quigley, M. Claassen, J. Kimball, V. Martin, J. Long, A. Schlegel, P. Evans, M. Witt, W. Heer, W.B. Gordon
KS Agric. Exp. Stn. Report of Progress 931, Feb. 2005
- 05-224-S 2004 Kansas performance tests with summer annual forages
K. Roozeboom, W. Heer, P. Evans, K. Kofoid, K. Harmony
KS Agric. Exp. Stn. Report of Progress 938, Mar. 2005
- 05-228-A SDI for conserving water in corn production
F.R. Lamm
Proceedings of the World Water and Environmental Resources Congress
Anchorage, AK, 2005, 12 pp.
- 05-246-J Water supply: Yield relationships developed for study of water management
L.R. Stone, A.J. Schlegel, A.H. Khan, N.L. Klocke, R.M. Aiken
J. of Natural Resources and Life Sciences Education, 35:161-173, 2006
- 05-251-S 2004 National winter canola variety trial
C. Rife, C. La Barge, R. Aiken, R. Auld, R. Bacon, D. Baltensperger, U. Bishnoi, H. Bhardwaj, D. Bordovsky, E. Cebert, E. Christmas, S. Conley, P. Evans, R. Freed, W. Heer, K. Janssen, J. Johnson, J. Johnson, J. Kelly, J. Klein, R. Kochenower, J. Krall, K. Kusel, E. Lentz, K. Larson, J. Long, L. Murdock, L. Nelson, P. Raymer, T. Reinbolt, P. Rose, M. Schmidt, G. Schwab, R. Smoot, D. Starner, M. Witt
KS Agric. Exp. Stn. Report of Progress 937, Apr. 2005
- 05-340-S Field day 2005, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, D. Leikam, B. Olson, M. Alam, N. Klocke, R. Currie, M. Brouk, R. Aiken, G. Clark, L. Buschman, P. Sloderbeck, M. Witt, R. Hale, D. Henson, G. Gold, C. MacKown, T. Herrman
KS Agric. Exp. Stn. Report of Progress 945, Aug. 2005
- 06-11-S 2005 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Spangler, E. Parker, B. Seabourn, M. Knapp, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 947, July 2005
- 06-108-S 2005 Kansas performance tests with corn hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gorgon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 949, Nov. 2005

- 06-109-S Agronomy field research 2005
D. Leikam, K.A. Janssen, G.M. Pierzynski, W.B. Gordon, R.E. Lamond, L.D. Maddux, M.M. Claassen, D.L. Regehr, D.L. Fjell, G.E. Wilde, W.F. Heer, K.L. Roozeboom, R.R. Janke, R.M. Aiken, D.J. Inloes, J.M.S. Hutchinson, B.L.S. Olson, R. Aiken, A. Schlegel, L. Stone, D. Rogers, F. Lamm, R.D. Stockton, L.D. Charlet, D.E. Peterson
KS Agric. Exp. Stn. Report of Progress, Dec. 2005
- 06-127-S 2005 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 950, Nov. 2005
- 06-128-S 2005 Kansas performance tests with soybean varieties
W. Schapaugh, Jr., K. Roozeboom, P. Evans, J. Long, M. Spangler, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux
KS Agric. Exp. Stn. Report of Progress 951, Dec. 2005
- 06-148-S 2005 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer, L. Maddux
KS Agric. Exp. Stn. Report of Progress 952, Dec. 2005
- 06-152-S 2005 Kansas performance tests with sunflower hybrids
P. Evans, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 953, Dec. 2005
- 06-174-B Subsurface drip irrigation
F.R. Lamm, C. Camp
In: Microirrigation for crop production-- Design, operation, and management, F.R. Lamm, J.E. Ayars, F.S. Nakayama (Eds.). Amsterdam, the Netherlands: Elsevier, pp. 473-551, 2007
- 06-184-A Progress with SDI research at Kansas State University
F.R. Lamm
Proceedings of the Central Plains Irrigation Conference
Colby, KS, 2006, pp. 67-85
- 06-189-S 2005 National winter canola variety trial
M. Stamm, C. La Barge, K. Roozeboom, R. Aiken, R. Auld, R. Bacon, B. Baldwin, D. Baltensperger, H. Bhardwaj, D. Bordovsky, E. Cebert, E. Christmas, S. Conley, R. Freed, W. Heer, D. Johnson, J. Johnson, J. Johnson, J. Kelly, J. Klein, R. Kochenower, J. Krall, K. Kusel, J. Lamle, K. Larson, D. LeGare, E. Lentz, J. Long, V. Martin, H. Mason, G. McVay, L. Nelson, C. Pearson, P. Porter, P. Raymer, C. Rife, P. Rose, M. Schmidt, G. Schwab, R. Smoot, D. Starner, D. Wysocki
KS Agric. Exp. Stn. Report of Progress 954, Feb. 2006
- 06-191-B Introduction
J.E. Ayars, D.A. Bucks, F.R. Lamm, F.S. Nakayama
In: Microirrigation for crop production-- Design, operation, and management, F.R. Lamm, J.E. Ayars, F.S. Nakayama (Eds.). Amsterdam, the Netherlands: Elsevier, pp. 1-26, 2007
- 06-192-A Effect of tillage and irrigation capacity on corn production
F.R. Lamm, R.M. Aiken
Proceedings of the Central Plains Irrigation Conference
Colby, KS, 2006, pp. 122-135
- 06-193-A Crop production comparison under various irrigation systems
P.D. Colaizzi, F.R. Lamm, T.A. Howell, S.R. Evett
Proceedings of the Central Plains Irrigation Conference
Colby, KS, 2006, pp. 189-207
- 06-197-A Criteria for successful adoption of SDI systems
D.H. Rogers, F.R. Lamm
Proceedings of the Central Plains Irrigation Conference
Colby, KS, 2007, pp. 57-66
- 06-198-A Irrigation of oilseed crops
R.M. Aiken, F.R. Lamm
Proceedings of the Central Plains Irrigation Conference
Colby, KS, 2006, pp. 162-172

- 06-207-S 2005 Kansas performance tests with summer annual forages
K. Roozeboom, W. Heer, P. Evans, K. Kofoid, K. Harmony
KS Agric. Exp. Stn. Report of Progress 955, Feb. 2006
- 06-208-A Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet
F.R. Lamm, D.M. O'Brien, D.H. Rogers, T.J. Dumler
Proceedings of the Central Plains Irrigation Conference and Exposition
Colby, KS, 2006, pp. 86-93
- 06-211-A Concepts of in-canopy and near-canopy sprinkler irrigation
F.R. Lamm, T.A. Howell, J.P. Bordovsky
Proceedings of the ASCE-EWRI World Environmental and Water Resources Congress
Omaha, NE, 2006, 11 pp.
- 06-319-A Crop production in western Kansas as related to irrigation capacity
F.R. Lamm, L.R. Stone, D.M. O'Brien
Proceedings of the ASABE Annual International Meeting
Portland, OR, 2006, 13 pp., Paper no. 062208
- 07-8-S 2006 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, D. Jardine, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, E. Parker, J. Lingenfelser, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 967, Aug. 2006
- 07-34-S Field day 2006, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, M. Alam, N. Klocke, R. Aiken, R. Currie, G. Clark, D.H. Rogers, K. Shaw, P. Rickabaugh, G. Gold, L. Buschman, P. Sloderbeck, H. Davis
KS Agric. Exp. Stn. Report of Progress 961, Aug. 2006
- 07-56-A Applying swine effluent with SDI and LEPA sprinkler irrigation
F.R. Lamm, T.P. Trooien, A.J. Schlegel
Proceedings of the Irrigation Association International Irrigation Technical Conference
San Antonio, TX, 2006, pp. 513-526
- 07-100-S 2006 Kansas performance tests with grain sorghum hybrids
J. Lingenfelser, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 969, Nov. 2006
- 07-106-S 2006 Kansas performance tests with corn hybrids
J. Lingenfelser, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 968, Dec. 2006
- 07-114-S 2006 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., J. Lingenfelser, K. Roozeboom, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, M. Spangler
KS Agric. Exp. Stn. Report of Progress 970, Dec. 2006
- 07-139-S 2006 Kansas performance tests with alfalfa varieties
J. Lingenfelser, K. Roozeboom, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer, L. Maddux
KS Agric. Exp. Stn. Report of Progress 971, Dec. 2006
- 07-141-J Crop production and economics in northwest Kansas as related to irrigation capacity
F.R. Lamm, L.R. Stone, D.M. O'Brien
Applied Engineering in Agriculture, 23(6):737-745, 2007

- 07-144-S 2006 Kansas performance tests with sunflower hybrids
P. Evans, J.E. Lingenfelter, K. Roozeboom, J.R. Cochran, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 972, Dec. 2006
- 07-166-A Application and utilization of livestock effluent through SDI systems
F.R. Lamm, T.P. Trooien, A.J. Schlegel
Proceedings of the International Symposium on Air Quality and Waste Management for Agriculture
Broomfield, CO, 2007, 8 pp.
- 07-167-A Conventional, strip and no tillage corn production under different irrigation capacities
F.R. Lamm, R.M. Aiken
Proceedings of the Central Plains Irrigation Conference
Kearney, NE, 2007, pp. 32-47
- 07-187-S 2006 National winter canola variety trial
M. Stamm, C. La Barge, R. Aiken, R. Auld, R. Bacon, B. Baldwin, D. Baltensperger, G. Frickel, B. Bean, A. Berrada, H. Bhardwaj, D. Bordovsky, G. Church, B. Caldbeck, E. Cebert, S. Conley, E. Christmas, R. Freed, W. Heer, V. Martin, D. Hooper, D. Johnson, R. Kochenower, J. Krall, J. Nachtman, J. Lamle, G. McVey, V. Schuermann, K. Larson, E. Lentz, J. Long, K. Kusel, H. Mason, R. Matheson, K. McKay, L. Nelson, C. Pearson, P. Porter, D. LeGare, C. Rife, G. Roth, M.C. Frier, P. Rose, M. Stack, R. Sidwell, M. Schmidt, J. Klein, D. Starner, R. Thacker, K. Tungate, A. Moore, M. Witt
KS Agric. Exp. Stn. Report of Progress 973, Apr. 2007
- 07-233-A Tillage and irrigation capacity effects on corn production
F.R. Lamm, R.M. Aiken
Proceedings of the ASABE Annual International Meeting
Minneapolis, MN, 2007, 16 pp., Paper no. 072283
- 08-7-J Storage efficiency of off-season irrigation
L.R. Stone, F.R. Lamm, A.J. Schlegel, N.L. Klocke
Agronomy J., 100:1185-1192, 2008
- 08-11-S 2007 Kansas performance tests with winter wheat varieties
J. Lingenfelter, K. Roozeboom, A. Fritz, E. De Wolf, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, M. Spangler, A. Schlegel, R. Chen, L. McLaughlin, R. Miller, B. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 982, Aug. 2007
- 08-120-S 2007 Kansas performance tests with corn hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochran, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 983, Oct. 2007
- 08-138-A Ensuring equal opportunity sprinkler irrigation
F.R. Lamm
Proceedings of the International Irrigation Association Exposition and Technical Conference
San Diego, CA, 2007, 7 pp.
- 08-141-A Is irrigation real or am I imagining it?
T.A. Howell, F.R. Lamm
Proceedings of the International Irrigation Association Exposition and Technical Conference
San Diego, CA, 2007, 8 pp.
- 08-147-S 2007 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., J. Lingenfelter, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, M. Spangler, D. Stities
KS Agric. Exp. Stn. Report of Progress 987, Dec. 2007
- 08-148-S 2007 Kansas performance tests with grain sorghum hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, P. Vadlani, J.R. Cochran, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 986, Dec. 2007

- 08-174-S 2007 Kansas performance tests with sunflower hybrids
P. Evans, J.E. Lingenfelter, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 989, Dec. 2007
- 08-191-S 2007 Kansas performance tests with alfalfa varieties
J. Lingenfelter, J.R. Cochrane, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer
KS Agric. Exp. Stn. Report of Progress 988, Jan. 2008
- 08-245-A Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet - 2008
F.R. Lamm, D.M. O'Brien, D.H. Rogers, T.J. Dumler
Proceedings of the Central Plains Irrigation Conference
Greeley, CO, 2008, pp. 61-70
- 08-246-A Effect of tillage practices and limited irrigation on corn production
F.R. Lamm, R.M. Aiken
Proceedings of the Central Plains Irrigation Conference
Greeley, CO, 2008, pp. 84-100
- 08-369-A Comparison of temperature-time threshold- and ET-based irrigation scheduling for corn production
F.R. Lamm, R.M. Aiken
Proceedings of the ASABE Annual International Meeting
Providence, RI, 2008, 12 pp., Paper no. 084202

Publications without contribution numbers

Agronomy field research 2006
L. Maddux, K.A. Janssen, W.B. Gordon, R.E. Lamond, G.L. Kilgore, M.M. Claassen, D.L. Regehr, D.L. Fjell, W.F. Heer, K.L. Roozeboom, V.L. Martin, B.L.S. Olson, J.S. Falk, R. Aiken, D. Rogers
KS Agric. Exp. Stn. Report of Progress 975, Apr. 2007

Southeast Agricultural Research Center

- 02-298-A Agricultural advisory committees - Important to research
D.W. Sweeney, J.S. Pontius
Proceedings of the 2002 program of the Research Center Administrators Society
Orlando, FL, 2002, pp. 9-18
- 02-416-J Density-dependent multiplication and survival rates in *Heterodera glycines*
T.C. Todd, J.H. Long, Jr., T.R. Oakley
J. of Nematology, 35:98-103, 2003
- 03-73-J Relationships among forage yield and quality factors of hay-type sorghums
J.L. Moyer, J.O. Fritz, J.J. Higgins
Crop Management, 2003
Published online,
doi:10.1094/cm-2003-1209-01-RS
- 03-372-J In-season nitrogen uptake by grain sorghum following legume green manures in conservation tillage systems
D.W. Sweeney, J.L. Moyer
Agronomy J., 96:510-515, 2004
- 03-380-J Double-cropping winter wheat and soybean improves net returns in the eastern Great Plains
K.W. Kelley
Crop Management, 2003
Published online,
doi:10.1094/cm-2003-1112-01-RS
- 03-423-S Agronomy field research 2003
L.D. Maddux, S. Staggenborg, K.A. Janssen, D.A. Whitney, G.M. Pierzynski, J.L. Moyer, C.M. Taliaferro, W.B. Gordon, M.M. Claassen, G.E. Wilde, K.L. Roozeboom, D.L. Fjell, D.L. Regehr, R.E. Lamond, R. Aiken, L.D. Charlet, R.D. Stockton, M. Tuinstra, K. Kofoid, V.L. Martin, R. Hale, D. Blasi, W.F. Heer, R.R. Janke, S.R. Duncan, D. O'Brien, D. Belshe, D.E. Peterson, T.M. Maxwell
KS Agric. Exp. Stn. Report of Progress 913, Jan. 2004
- 04-001-J Seed treatments for control of insect pests of sorghum and their effect on yield
G. Wilde, K. Roozeboom, M. Claassen, K. Janssen, M. Witt, P. Evans, T. Harvey, J. Long
Southwestern Entomologist, 29:209-223, 2004

- 04-008-S 2003 Kansas performance tests with winter wheat varieties
K. Roozeboom, W.W. Bockus, A. Fritz, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, V. Martin, E. Parker, B. Seabourn, R. Lamond, R. Bennett
KS Agric. Exp. Stn. Report of Progress 912, July 2003
- 04-078-J Effect of grazing on legume persistence, forage production, and steer performance in endophyte-infected tall fescue pastures
L.W. Lomas, J.L. Moyer, G.L. Kilgore, G.A. Milliken
The Professional Animal Scientist, 20:46-52, 2004
- 04-084-J Nitrogen management in no-tillage and ridge-tillage systems affects short-season corn grown on claypan soils
D.W. Sweeney, D.J. Jardine
Crop Management, 2004
Published online,
doi:10.1094/CM-2004-0628-01-RS
- 04-165-S 2003 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 914, Nov. 2003
- 04-167-S 2003 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 915, Nov. 2003
- 04-192-S 2003 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., K. Roozeboom, M. Claassen, W.B. Gordon, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T. McClelland, M. Witt
KS Agric. Exp. Stn. Report of Progress 916, Dec. 2003
- 04-207-S Kansas fertilizer research 2003
R. Lamond, M. Claassen, L.J. Ferdinand, H.C. George, C.B. Godsey, W.B. Gordon, J.L. Heitman, J.C. Herman, K. Janssen, K. Kelley, D. Key, G. Kluitenberg, D. Leikam, J. Massey, G.M. Pierzynski, A. Schlegel, L.R. Stone, D. Sweeney, C.A. Thompson, C.R. Thompson, D.A. Whitney
KS Agric. Exp. Stn. Report of Progress 921, Jan. 2004
- 04-215-S 2003 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Witt, W.B. Gordon, W. Heer
KS Agric. Exp. Stn. Report of Progress 918, Dec. 2003
- 04-227-J Effects of seed treatment fungicides on stand and yield of corn, 2003
D.J. Jardine, B. Gordon, K. Janssen, J.H. Long
Fungicide and Nematacide Tests (APS), Report 59:ST007, 2004
Published online, doi:10.1094/FN59
- 04-245-S 2003 National winter canola variety trial
C. Rife, R. Aiken, R. Auld, R. Bacon, D. Baltensperger, U. Bishnoi, H. Bhardwaj, D. Bordovsky, E. Cebert, E. Christmas, S. Conley, P. Evans, R. Freed, W. Heer, K. Janssen, J. Johnson, J. Johnson, J. Kelly, J. Klein, R. Kochenower, J. Krall, K. Kusel, K. Larson, J. Long, L. Murdock, L. Nelson, P. Raymer, T. Reinbolt, P. Rose, M. Schmidt, G. Schwab, R. Smoot, D. Starner, M. Witt
KS Agric. Exp. Stn. Report of Progress 924, Feb. 2004
- 04-268-J Effects of seed treatment fungicides on stand and yield of grain sorghum, 2003
D.J. Jardine, M. Claassen, B. Gordon, J.H. Long
Fungicide and Nematacide Tests (APS), Report 59:ST014, 2004
Published online, doi:10.1094/FN59
- 04-269-J Effects of seed treatment fungicides on stand and yield of soybean, 2003
D.J. Jardine, B. Gordon, K. Janssen, J.H. Long
Fungicide and Nematacide Tests (APS), Report 59:ST006, 2004
Published online, doi:10.1094/FN59

- 04-306-A Humidity reduces tall fescue seed and endophyte viability
J.L. Moyer
Proceedings of the American Forage and Grassland Council
Roanoke, VA, 2004, pp. 279-283
- 04-307-J Trends in forage yield and quality of hay-type sorghums
J.L. Moyer, J.O. Fritz, J.J. Higgins
Agronomy J., 96(5):1453-1458, 2004
- 04-320-S 2004 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, F.K. Brazle, G.L. Kilgore, K. Janssen, K.W. Kelley, C.M. Taliaferro, D.W. Sweeney, M.B. Kirkham, R. Lamond, G.M. Pierzynski, M. Buckley, J.H. Long, D.J. Jardine, S. Staggenborg, S. Duncan, M. Knapp
KS Agric. Exp. Stn. Report of Progress 926, Apr. 2004
- 04-331-S Agronomy field research 2004
K.A. Janssen, M.M. Claassen, W.B. Gordon, L.D. Maddux, W.F. Heer, G. Cross, L.J. Ferdinand, D. Fjell, R. Gehl, R.R. Janke, K.W. Kelley, R. Lamond, J.L. Moyer, G.M. Pierzynski, D.L. Regehr, K. Roozeboom, J.P. Schmidt, S. Staggenborg, L.R. Stone, R. Taylor, C.M. Taliaferro, C. Rost
KS Agric. Exp. Stn. Report of Progress 928, Feb. 2005
- 04-397-J Tillage and urea ammonium nitrate fertilizer rate and placement affects winter wheat following grain sorghum and soybean
K.W. Kelley, D.W. Sweeney
Agronomy J., 97(3):690-697, 2005
- 04-435-J Supplemental irrigation at reproductive growth stages to improve popcorn grown at different populations
D.W. Sweeney, C.W. Marr
Agronomy J., 97:741-745, 2005
- 05-27-S 2004 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, E. Parker, B. Seabourn, R. Lamond, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 930, July 2004
- 05-142-S Kansas fertilizer research 2004
M. Alam, B. Brauer, H.D. Bond, M. Buckley, S. Campbell, M.M. Claassen, L.J. Ferdinand, R. Gehl, C.B. Godsey, W.B. Gordon, S. Harrold, J.C. Herman, K.W. Kelley, G.L. Kilgore, C.R. Ladd, R.E. Lamond, D.F. Leikam, D. Locke, L.D. Maddux, J.R. Massey, T.M. Maxwell, B. Olson, G.M. Pierzynski, A.J. Schlegel, J.P. Schmidt, D. Seymore, J. Siemens, G. Sohm, D.E. Stites, L.R. Stone, D.W. Sweeney
KS Agric. Exp. Stn. Report of Progress 939, Feb. 2005
- 05-145-S 2004 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 932, Nov. 2004
- 05-166-S 2004 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 933, Dec. 2004
- 05-167-S 2004 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., K. Roozeboom, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, J. Long, M. Witt
KS Agric. Exp. Stn. Report of Progress 934, Dec. 2004
- 05-168-S 2004 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Witt, W. Heer, L. Maddux, W.B. Gordon
KS Agric. Exp. Stn. Report of Progress 935, Dec. 2004
- 05-209-S 2004 Kansas performance tests with spring small grains
K. Roozeboom, J.R. Cochrane, J. Shroyer, E.O. Quigley, M. Claassen, J. Kimball, V. Martin, J. Long, A. Schlegel, P. Evans, M. Witt, W. Heer, W.B. Gordon
KS Agric. Exp. Stn. Report of Progress 931, Feb. 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
- 05-231-J Grain sorghum and soybean cropping sequence affects yield and fertilizer N requirement
K.W. Kelley
Crop Management Research, 2005
Published online,
doi:10.1094/CM-2005-0922-01-RS
- 05-251-S 2004 National winter canola variety trial
C. Rife, C. La Barge, R. Aiken, R. Auld, R. Bacon, D. Baltensperger, U. Bishnoi, H. Bhardwaj, D. Bordovsky, E. Cebert, E. Christmas, S. Conley, P. Evans, R. Freed, W. Heer, K. Janssen, J. Johnson, J. Johnson, J. Kelly, J. Klein, R. Kochenower, J. Krall, K. Kusel, E. Lentz, K. Larson, J. Long, L. Murdock, L. Nelson, P. Raymer, T. Reinbolt, P. Rose, M. Schmidt, G. Schwab, R. Smoot, D. Starner, M. Witt
KS Agric. Exp. Stn. Report of Progress 937, Apr. 2005
- 05-255-S 2005 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, D.W. Sweeney, K.W. Kelley, J.H. Long, M.B. Kirkham, G.M. Pierzynski, M. Buckley, R. Lamond, S. Staggenborg, F.K. Brazle, G.L. Kilgore, S. Duncan, C.M. Taliaferro, M. Knapp
KS Agric. Exp. Stn. Report of Progress 944, Apr. 2005
- 06-11-S 2005 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Spangler, E. Parker, B. Seabourn, M. Knapp, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 947, July 2005
- 06-26-J Comparison of interseeding lespedeza with additional nitrogen fertilization on forage production and steer performance in a wheat-crabgrass grazing system
L.W. Lomas, J.L. Moyer, F.K. Brazle, G.L. Kilgore, G.A. Milliken
The Professional Animal Scientist, 22:1-7, 2006
- 06-72-J Crop and soil response to wheel-track compaction of a claypan soil
D.W. Sweeney, M.B. Kirkham, J.B. Sisson
Agronomy J., 98:637-643, 2006
- 06-108-S 2005 Kansas performance tests with corn hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gorgon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 949, Nov. 2005
- 06-127-S 2005 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 950, Nov. 2005
- 06-128-S 2005 Kansas performance tests with soybean varieties
W. Schapaugh, Jr., K. Roozeboom, P. Evans, J. Long, M. Spangler, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux
KS Agric. Exp. Stn. Report of Progress 951, Dec. 2005
- 06-148-S 2005 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer, L. Maddux
KS Agric. Exp. Stn. Report of Progress 952, Dec. 2005
- 06-179-A Using KansasGrazer to aid in pasture management decisions
J.L. Moyer, S.L. Fogleman, J.O. Fritz
Proceedings of the American Forage and Grassland Council
San Antonio, TX, 2006, 15:112-116

- 06-189-S 2005 National winter canola variety trial
M. Stamm, C. La Barge, K. Roozeboom, R. Aiken, R. Auld, R. Bacon, B. Baldwin, D. Baltensperger, H. Bhardwaj, D. Bordovsky, E. Cebert, E. Christmas, S. Conley, R. Freed, W. Heer, D. Johnson, J. Johnson, J. Johnson, J. Kelly, J. Klein, R. Kochenower, J. Krall, K. Kusel, J. Lamle, K. Larson, D. LeGare, E. Lentz, J. Long, V. Martin, H. Mason, G. McVay, L. Nelson, C. Pearson, P. Porter, P. Raymer, C. Rife, P. Rose, M. Schmidt, G. Schwab, R. Smoot, D. Starner, D. Wysocki
KS Agric. Exp. Stn. Report of Progress 954, Feb. 2006
- 06-240-S Kansas fertilizer research 2005
D.F. Leikam, M. Alam, H.D. Bond, M.M. Claassen, J.O. Fritz, C.B. Godsey, W.B. Gordon, R. Hale, K.W. Kelley, G.L. Kilgore, R.E. Lamond, D.F. Leikam, D.B. Mengel, J.L. Moyer, J. Naysmith, A.J. Schlegel, D. Seymore, J. Siemens, G. Sohm, L.R. Stone, D.W. Sweeney, C.R. Thompson
KS Agric. Exp. Stn. Report of Progress 957, Mar. 2006
- 06-263-S 2006 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, C.M. Taliaferro, K.W. Kelley, K.J. Moore, E.C. Brummer, D.W. Sweeney, M.B. Kirkham, R. Lamond, G. Kilgore, J. Long, S. Staggenborg, C. Pacht, S. Duncan, N.L. Brooker, K. Walker, M. Knapp
KS Agric. Exp. Stn. Report of Progress 960, Apr. 2006
- 07-8-S 2006 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, D. Jardine, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, E. Parker, J. Lingenfelser, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 967, Aug. 2006
- 07-34-S Field day 2006, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, M. Alam, N. Klocke, R. Aiken, R. Currie, G. Clark, D.H. Rogers, K. Shaw, P. Rickabaugh, G. Gold, L. Buschman, P. Sloderbeck, H. Davis
KS Agric. Exp. Stn. Report of Progress 961, Aug. 2006
- 07-49-J Placement of preplant liquid N and P fertilizer and N rate affects no-till wheat following different summer crops
K.W. Kelley, D.W. Sweeney
Agronomy J., 99:1009-1017, 2007
- 07-59-J Automating measurement of forage mass in pasture
J.L. Moyer, M.D. Schrock
Forage and Grazinglands, 2007
Published online,
doi:10.1094/FG-2007-0419-01-RS
- 07-62-J Nitrogen management affects sorghum grown for grain and forage
D.W. Sweeney, J.L. Moyer
Crop Management, 2007
Published online,
doi:10.1094/CM-2007-0323-01-RS
- 07-67-J Management effects on soil physical properties in long-term tillage studies in Kansas
K.A. McVay, J.A. Budde, K. Fabrizzi, M.M. Mikha, C.W. Rice, A.J. Schlegel, D.E. Peterson, D.W. Sweeney, C. Thompson
Soil Science Society of America J., 70:434-438, 2006
- 07-100-S 2006 Kansas performance tests with grain sorghum hybrids
J. Lingenfelser, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 969, Nov. 2006
- 07-106-S 2006 Kansas performance tests with corn hybrids
J. Lingenfelser, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 968, Dec. 2006
- 07-114-S 2006 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., J. Lingenfelser, K. Roozeboom, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, M. Spangler
KS Agric. Exp. Stn. Report of Progress 970, Dec. 2006

- 07-139-S 2006 Kansas performance tests with alfalfa varieties
J. Lingenfelter, K. Roozeboom, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer, L. Maddux
KS Agric. Exp. Stn. Report of Progress 971, Dec. 2006
- 07-184-S Kansas fertilizer research 2006
M. Alam, H.D. Bond, M.M. Claassen, W.B. Gordon, W.F. Heer, K.A. Janssen, K.W. Kelley, G.L. Kilgore, R.E. Lamond, D.F. Leikam, T.M. Maxwell, J.L. Moyer, T. Roberts, A.J. Schlegel, L.R. Stone, D.W. Sweeney
KS Agric. Exp. Stn. Report of Progress 976, Mar. 2007
- 07-187-S 2006 National winter canola variety trial
M. Stamm, C. La Barge, R. Aiken, R. Auld, R. Bacon, B. Baldwin, D. Baltensperger, G. Fricke, B. Bean, A. Berrada, H. Bhardwaj, D. Bordovsky, G. Church, B. Caldbeck, E. Cebert, S. Conley, E. Christmas, R. Freed, W. Heer, V. Martin, D. Hooper, D. Johnson, R. Kochenower, J. Krall, J. Nachtman, J. Lamle, G. McVey, V. Schuermann, K. Larson, E. Lentz, J. Long, K. Kusel, H. Mason, R. Matheson, K. McKay, L. Nelson, C. Pearson, P. Porter, D. LeGare, C. Rife, G. Roth, M.C. Frier, P. Rose, M. Stack, R. Sidwell, M. Schmidt, J. Klein, D. Starner, R. Thacker, K. Tungate, A. Moore, M. Witt
KS Agric. Exp. Stn. Report of Progress 973, Apr. 2007
- 07-222-S 2007 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, C.M. Taliaferro, K.W. Kelley, K.J. Moore, D.W. Sweeney, G.M. Pierzynski, D.B. Mengel, J. Long, G.L. Kilgore, S. Staggenborg, C. Pacht, S. Duncan, M. Knapp
KS Agric. Exp. Stn. Report of Progress 979, Apr. 2007
- 08-11-S 2007 Kansas performance tests with winter wheat varieties
J. Lingenfelter, K. Roozeboom, A. Fritz, E. De Wolf, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, M. Spangler, A. Schlegel, R. Chen, L. McLaughlin, R. Miller, B. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 982, Aug. 2007
- 08-120-S 2007 Kansas performance tests with corn hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 983, Oct. 2007
- 08-147-S 2007 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., J. Lingenfelter, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, M. Spangler, D. Stities
KS Agric. Exp. Stn. Report of Progress 987, Dec. 2007
- 08-148-S 2007 Kansas performance tests with grain sorghum hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, P. Vadlani, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 986, Dec. 2007
- 08-191-S 2007 Kansas performance tests with alfalfa varieties
J. Lingenfelter, J.R. Cochrane, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer
KS Agric. Exp. Stn. Report of Progress 988, Jan. 2008
- 08-234-S 2007 National winter canola variety trial
M. Stamm, C. La Barge, R. Auld, E. Bechere, R. Bacon, J. Kelly, B. Bean, B. Villarreal, A. Berrada, H. Bhardwaj, B. Caldbeck, J. Hagan, E. Cebert, M. Claassen, D. Crompton, D. Day, J. Gassett, G. Ware, C. Godsey, R. Freed, W. Heer, V. Martin, J. Holman, D. Hooper, J. Johnson, R. Kochenower, K. Larson, E. Lentz, J. Long, K. Kusel, H. Mason, W. Wiebold, J. Massey, R. Matheson, L. Nelson, C. Pearson, C. Rife, G. Roth, M.C. Frier, M. Schmidt, J. Klein, C. Schmidt, R. Sidwell, M. Stack, D. Starner, R. Thacker
KS Agric. Exp. Stn. Report of Progress 990, Mar. 2008

- 08-242-J Effect of seed treatment fungicides on stand and yield of corn, 2007
D.J. Jardine, B. Gordon, J.H. Long
Plant Disease Management Reports (APS), Report 2:ST004, 2008
Published online, doi:10.1094/PDMR02
- 08-243-J Effect of seed treatment fungicides on stand and yield of grain sorghum, 2007
D.J. Jardine, M. Claassen, B. Gordon, J.H. Long
Plant Disease Management Reports (APS), Report 2:ST006, 2008
Published online, doi:10.1094/PDMR02
- 08-244-J Effect of seed treatment fungicides on stand and yield of grain sorghum, 2007
D.J. Jardine, B. Gordon, J.H. Long
Plant Disease Management Reports (APS), Report 2:ST005, 2008
Published online, doi:10.1094/PDMR02
- 08-287-S 2008 Agricultural research, Southeast Agricultural Research Center
L.W. Lomas, J.L. Moyer, K.J. Moore, C.M. Taliaferro, D.W. Sweeney, K.W. Kelley, G.M. Pierzynski, J.H. Long, D. Jardine, E. De Wolf, M. Knapp
KS Agric. Exp. Stn. Report of Progress 996, Apr. 2008
- 08-312-S Kansas fertilizer research 2007
M. Alam, H.D. Bond, M.M. Claassen, J. Holman, K.A. Janssen, K.W. Kelley, D.B. Mengel, J.L. Moyer, G.M. Pierzynski, A. Schlegel, L. Stone, D.W. Sweeney
KS Agric. Exp. Stn. Report of Progress 993, Apr. 2008

Publications without contribution numbers

Calculation of sample number to accurately measure available pasture forage
J.L. Moyer, J.J. Higgins
Forage and Grazinglands, 2005
Published online,
doi:10.1094/FG-2005-1123-01-BR

Economic feasibility of carbon sequestration with alternative tillage systems
D.L. Pendell, J.R. Williams, D.W. Sweeney, R.G. Nelson, C.W. Rice
J. of the American Society of Farm Managers and Rural Appraisers, 69(1):90-99, 2006

Tillage and phosphorus management effects on crop production in soils with phosphorus stratification
G.J. Schwab, D.W. Whitney, G.L. Kilgore, D.W. Sweeney
Agronomy J., 98:430-435, 2006

Southwest Research-Extension Center

- 97-433-B Benefits of triazine herbicides in ecofallow
D.L. Regehr, C.A. Norwood
In: Triazine herbicides, H. LaBaron, J. McFarland, O. Burnside (Eds.). Elsevier, pp. 175-184, 2008
- 01-93-J Analysis of cold tolerance in grain sorghum under controlled environment conditions
J. Yu, M.R. Tuinstra, M.M. Claassen, W.B. Gordon, M.D. Witt
Field Crops Research, 85:21-30, 2004
- 02-266-J Susceptibility of Dipel-resistant and -susceptible *Ostrinia nubilalis* (Lepidoptera: Crambidae) to individual *Bacillus thuringiensis* protoxins
H. Li, B. Oppert, R.A. Higgins, F. Huang, L.L. Buschman, K.Y. Zhu.
J. of Economic Entomology, 98(4):1333-1340, 2005
- 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
- 03-219-J Larval survival and development of susceptible and resistant *Ostrinia nubilalis* (Lepidoptera: Pyralidae) on diet containing *Bacillus thuringiensis*
F. Huang, L.L. Buschman, R.A. Higgins
Agricultural and Forest Entomology, 7:45-52, 2005
- 03-247-J Comparative analysis of proteinase activities of *Bacillus thuringiensis* -resistant and -susceptible *Ostrinia nubilalis* (Lepidoptera: Crambidae)
H. Li, B. Oppert, R.A. Higgins, F. Huang, K.Y. Zhu, L.L. Buschman
Insect Biochemistry and Molecular Biology, 34:753-762, 2004
- 03-269-J Transgenic plants expressing *Bacillus thuringiensis* delta-endotoxins
H. Li, B. Oppert, K.Y. Zhu, R.A. Higgins, F. Huang, L.L. Buschman
Entomologia Sinica, 10(3):155-166, 2003

- 03-403-J Development of a best management practice for nitrogen fertigation of corn using SDI
F.R. Lamm, A.J. Schlegel, G.A. Clark
Applied Engineering in Agriculture, 20(2):211-220, 2004
- 04-001-J Seed treatments for control of insect pests of sorghum and their effect on yield
G. Wilde, K. Roozeboom, M. Claassen, K. Janssen, M. Witt, P. Evans, T. Harvey, J. Long
Southwestern Entomologist, 29:209-223, 2004
- 04-008-S 2003 Kansas performance tests with winter wheat varieties
K. Roozeboom, W.W. Bockus, A. Fritz, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, V. Martin, E. Parker, B. Seabourn, R. Lamond, R. Bennett
KS Agric. Exp. Stn. Report of Progress 912, July 2003
- 04-026-J Evaluation of rubidium chloride and cesium chloride incorporated in a meridic diet to mark *Diatraea grandiosella* (Lepidoptera: Crambidae) for dispersal studies
J.A. Qureshi, L.L. Buschman, S.B. Ramaswamy, J.E. Throne, M.P. Whaley
Environmental Entomology, 33(3):487-498, 2004
- 04-056-J Rubidium chloride and cesium chloride sprayed on corn plants and evaluated for marking *Diatraea grandiosella* (Lepidoptera: Crambidae) in mark-recapture dispersal studies
J.A. Qureshi, L.L. Buschman, J.E. Throne, M.P. Whaley, S.B. Ramaswamy
Environmental Entomology, 33(4):930-940, 2004
- 04-088-J Oil-soluble dyes incorporated in meridic diet of *Diatraea grandiosella* (Lepidoptera: Crambidae) as markers for adult dispersal studies
J.A. Qureshi, L.L. Buschman, J.E. Throne, M.P. Whaley, S.B. Ramaswamy
J. of Economic Entomology, 97(3):836-845, 2004
- 04-104-J Field scale limited irrigation scenarios for water policy strategies
N.L. Klocke, J.P. Schneekloth, S.R. Mevin, R.T. Clark, J.O. Payero
J. of Applied Engineering in Agriculture, 20(5):623-631, 2004
- 04-122-A Effectiveness of Clearfield and SU-tolerant sunflower programs for weed control
C.R. Thompson, A.J. Schlegel
ASA, CSSA, SSSA Annual Meeting
Denver, Colorado, 2003
- 04-147-J Managing soil carbon and nitrogen for productivity and environmental quality
J.E. Sanchez, R.R. Harwood, T.C. Willson, K. Kizilkaya, J. Smeenk, E. Parker, E.A. Paul, B.D. Knezek, G.P. Robertson
Agronomy J., 96:769-775, 2004
- 04-165-S 2003 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 914, Nov. 2003
- 04-167-S 2003 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, B. Luebbe, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 915, Nov. 2003
- 04-180-A Effectiveness of mestrone for weed control in grain sorghum
C.R. Thompson, M.M. Claassen, L.D. Maddux, D.L. Regehr, A.J. Schlegel, J. Frihauf, P.W. Stahlman
Proceedings of the North Central Weed Science Society
Columbus, OH, 2004, 59:69
- 04-185-A Effects of atrazine rates on wheat double cropped for forage in continuous corn
R.S. Currie
Proceedings of the 58th North Central Weed Science Society Meeting
Louisville, KY, 2003, 147 pp.
- 04-192-S 2003 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., K. Roozeboom, M. Claassen, W.B. Gordon, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T. McClelland, M. Witt
KS Agric. Exp. Stn. Report of Progress 916, Dec. 2003

- 04-207-S Kansas fertilizer research 2003
R. Lamond, M. Claassen, L.J. Ferdinand,
H.C. George, C.B. Godsey, W.B. Gordon,
J.L. Heitman, J.C. Herman, K. Janssen, K.
Kelley, D. Key, G. Kluitenberg, D. Leikam,
J. Massey, G.M. Pierzynski, A. Schlegel,
L.R. Stone, D. Sweeney, C.A. Thompson,
C.R. Thompson, D.A. Whitney
KS Agric. Exp. Stn. Report of Progress 921,
Jan. 2004
- 04-214-J Binding analysis of Cry1Ab and Cry1Ac
with membrane vesicles from *Bacillus*
thuringiensis-resistant and -susceptible
Ostrinia nubilalis (Lepidoptera: Crambidae)
H. Li, J. González-Cabrera, B. Oppert, J.
Ferré, R.A. Higgins, L.L. Buschman, G.A.
Radke, K.Y. Zhu, F. Huang
Biochemical and Biophysical Research
Communications, 323:52-57, 2004
- 04-215-S 2003 Kansas performance tests with alfalfa
varieties
K. Roozeboom, P. Evans, J. Moyer, M.
Witt, W.B. Gordon, W. Heer
KS Agric. Exp. Stn. Report of Progress 918,
Dec. 2003
- 04-229-S 2003 Kansas performance tests with
sunflower hybrids
P. Evans, M. Claassen, J.R. Cochrane, W.
Heer, M. Knapp, K. Roozeboom, A.
Schlegel
KS Agric. Exp. Stn. Report of Progress 922,
Jan. 2004
- 04-242-S Cattlemen's day 2004
L.C. Hollis, J.E. Larson, G.C. Lamb, T.W.
Geary, J.S. Stevenson, S.K. Johnson, M.L.
Day, D.J. Kesler, J.M. DeJarnette, D.G.
Landblom, D. Whittier, T.W. Marston, F.N.
Schrick, J.D. Areseneau, A.W. Thompson,
D.R. Eborn, L.D. Keenan, D.M. Grieger, K.
Harmoney, T.T. Marston, M. Sanderson, P.
Chenoweth, D.A. Llewellyn, B.T. Gray,
C.A. Bandyk, V.L. Martin, R. Hale, E.A.
Elwakeel, E.C. Titgemeyer, J.S. Drouillard,
B.J. Johnson, M.S. Awawdeh, K.C.
McCouston, D.P. Gnad, G.F. Schroeder,
S.P. Montgomery, J.J. Sindt, M.A.
Greenquist, W.F. Miller, J.N. Pike, E.J.
Good, E.R. Loe, M.J. Sulpizio, T.J. Kessen,
B.E. Depenbusch, B. Dicke, G.E. Erickson,
T.J. Klopfenstein, R.T. Botts, P.T.
Anderson, F.N. Owens, C.D. Lee, G.L.
Bishop, J.R. Brethour, M.P. Epp, D.A.
Blasi, J.P. Kayser, E.A. Koch, R.M. Breiner,
J.A. Christopher, J.A. Unruh, B.B.
Barnhardt, G.L. Stokka, G. Palmer, J.T. Fox,
M.F. Spire, N.A. Lenehan, J.M. DeRouche,
M.L. Christian, G.L. Marchin, J.W. Homm,
E. Obuz, J.W. Stephens, M.E. Dikeman, J.P.
Grobbel, T.M. Loughin, G.A. Milliken, E.J.
Yancey
KS Agric. Exp. Stn. Report of Progress 923,
Mar. 2004
- 04-245-S 2003 National winter canola variety trial
C. Rife, R. Aiken, R. Auld, R. Bacon, D.
Baltensperger, U. Bishnoi, H. Bhardwaj, D.
Bordovsky, E. Cebert, E. Christmas, S.
Conley, P. Evans, R. Freed, W. Heer, K.
Janssen, J. Johnson, J. Johnson, J. Kelly, J.
Klein, R. Kochenower, J. Krall, K. Kusel, K.
Larson, J. Long, L. Murdock, L. Nelson, P.
Raymer, T. Reinbolt, P. Rose, M. Schmidt,
G. Schwab, R. Smoot, D. Starner, M. Witt
KS Agric. Exp. Stn. Report of Progress 924,
Feb. 2004
- 04-324-J Use of a terminated wheat cover crop in
irrigated corn to reduce atrazine rates and
increase water use efficiency
R.S. Currie, N.L. Klocke
Weed Science, 53:709-716, 2005
- 04-330-S Field day 2004, Southwest Research-
Extension Center
R. Currie, J. Elliott, D. Bond, D. Nolan, M.
Witt, A. Schlegel, L. Stone, T. Dumler, C.
Thompson, R. Stockton, D. Leikam, B.
Olson, R. Aiken, N. Klocke, P. Sloderbeck,
L. Buschman, R. Higgins
KS Agric. Exp. Stn. Report of Progress 927,
May 2004

- 04-334-J Challenging approaches to N fertilizer recommendations in continuous cropping systems
A.J. Schlegel, C.A. Grant, J.L. Havlin
Agronomy J., 97:391-398, 2005
- 04-359-A Irrigation management strategies for corn to conserve water
S.R. Melvin, J.O. Payero, N.L. Klocke, J.P. Schneekloth
Proceedings of the Central Plains Irrigation Conference and Exposition
Kearney, NE, 2004, pp. 37-44
- 04-360-A Water savings from crop residue in irrigated corn
N.L. Klocke
Proceedings of the Central Plains Irrigation Conference and Exposition
Kearney, NE, 2004, pp. 133-141
- 04-361-A Crop water allocation program
N.L. Klocke, G.A. Clark, S. Briggeman, T.J. Dumler, L.R. Stone
Proceedings of the 21st Annual Water and the Future of Kansas Conference
Lawrence, KS, 2004, 1 pp.
- 04-362-A Field scale comparisons of limited irrigation strategies
N.L. Klocke, J.P. Schneekloth, S.R. Melvin, R.T. Clark, J.O. Payero
2004 ASAE/CSAE Annual International Meeting
Ottawa, Ontario, Canada, 2004, 13 pp., Paper no. 042280
- 04-363-A Furrow irrigation management with limited water
J.P. Schneekloth, N.L. Klocke, D.R. Davison, J.O. Payero
2004 ASAE/CSAE Annual International Meeting
Ottawa, Ontario, Canada, 2004, 10 pp., Paper no. 042403
- 04-377-J Characterization of cDNAs encoding three trypsin-like proteinases and mRNA quantitative analysis in Bt-resistant and -susceptible strains of *Ostrinia nubilalis*
H. Li, B. Oppert, R.A. Higgins, F. Huang, L.L. Buschman, J.-R. Gao, K.Y. Zhu
Insect Biochemistry and Molecular Biology, 35:847-860, 2005
- 05-27-S 2004 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, K. Janssen, L. Maddux, V. Martin, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Witt, E. Parker, B. Seabourn, R. Lamond, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 930, July 2004
- 05-132-A Crop water allocator for limited irrigation
N.L. Klocke, G.A. Clark, S. Briggeman, L. Stone, T.J. Dumler
Proceedings of the High Plains Groundwater Conference
Lubbock, TX, 2004, pp. 196-206
- 05-138-J Adult dispersal of *Ostrinia nubilalis* Hubner (Lepidoptera: Crambidae) and its resistance management in Bt maize
J.A. Qureshi, L.L. Buschman, J.E. Throne, S.B. Ramaswamy
J. of Applied Entomology, 129(6):281-292, 2005
- 05-142-S Kansas fertilizer research 2004
M. Alam, B. Brauer, H.D. Bond, M. Buckley, S. Campbell, M.M. Claassen, L.J. Ferdinand, R. Gehl, C.B. Godsey, W.B. Gordon, S. Harrold, J.C. Herman, K.W. Kelley, G.L. Kilgore, C.R. Ladd, R.E. Lamond, D.F. Leikam, D. Locke, L.D. Maddux, J.R. Massey, T.M. Maxwell, B. Olson, G.M. Pierzynski, A.J. Schlegel, J.P. Schmidt, D. Seymore, J. Siemens, G. Sohm, D.E. Stites, L.R. Stone, D.W. Sweeney
KS Agric. Exp. Stn. Report of Progress 939, Feb. 2005

- 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
- 05-145-S 2004 Kansas performance tests with corn hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Witt
KS Agric. Exp. Stn. Report of Progress 932, Nov. 2004
- 05-166-S 2004 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, J.R. Cochrane, D. Jardine, E.O. Quigley, J. Whitworth, R. Wilkes, M. Knapp, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 933, Dec. 2004
- 05-167-S 2004 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., K. Roozeboom, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, V. Martin, P. Evans, J. Long, M. Witt
KS Agric. Exp. Stn. Report of Progress 934, Dec. 2004
- 05-168-S 2004 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Witt, W. Heer, L. Maddux, W.B. Gordon
KS Agric. Exp. Stn. Report of Progress 935, Dec. 2004
- 05-183-J Efficacy of early season miticide applications against spider mites and yield response in corn, 2003a
L.L. Buschman, P.E. Sloderbeck, R.S. Currie
Arthropod Management Tests, 30:F11, 2005
- 05-184-J Efficacy of early season miticide applications against spider mites and yield response in corn, 2003b
L.L. Buschman, P.E. Sloderbeck, R.S. Currie
Arthropod Management Tests, 30:F12, 2005
- 05-185-J Efficacy of post-tassel miticide applications against spider mites and yield response in corn, 2003c
L.L. Buschman, P.E. Sloderbeck, R.S. Currie
Arthropod Management Tests, 30:F13, 2005
- 05-186-J Efficacy of VIP & CRY1AB events in corn for the control of southwestern corn borer and corn earworm, 2003
L.L. Buschman, P.E. Sloderbeck, M.D. Witt
Arthropod Management Tests, 30:M1 2005
- 05-187-J Efficacy of VIP & CRY1AB events in corn for the control of southwestern corn borer and corn earworm, 2004
L.L. Buschman, P.E. Sloderbeck, M.D. Witt
Arthropod Management Tests, 30:M2, 2005
- 05-194-S 2004 Kansas performance tests with sunflower hybrids
P. Evans, M. Claassen, J.R. Cochrane, W. Heer, M. Knapp, K. Kofoid, K. Roozeboom, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 936, Jan. 2005
- 05-198-A Crop residue and soil water evaporation
N.L. Klocke
Proceedings of the 17th Annual Central Plains Irrigation Conference and Exposition Colby, KS, 2005, pp. 22-28

- 05-209-S 2004 Kansas performance tests with spring small grains
K. Roozeboom, J.R. Cochrane, J. Shroyer, E.O. Quigley, M. Claassen, J. Kimball, V. Martin, J. Long, A. Schlegel, P. Evans, M. Witt, W. Heer, W.B. Gordon
KS Agric. Exp. Stn. Report of Progress 931, Feb. 2005
- 05-241-J Comparison of irrigation strategies for surface-irrigated corn in west central Nebraska
J.O. Payero, N.L. Klocke, J.P. Schneekloth
Irrigation Science, 24(4):257-265, 2006
- 05-246-J Water supply: Yield relationships developed for study of water management
L.R. Stone, A.J. Schlegel, A.H. Khan, N.L. Klocke, R.M. Aiken
J. of Natural Resources and Life Sciences Education, 35:161-173, 2006
- 05-251-S 2004 National winter canola variety trial
C. Rife, C. La Barge, R. Aiken, R. Auld, R. Bacon, D. Baltensperger, U. Bishnoi, H. Bhardwaj, D. Bordovsky, E. Cebert, E. Christmas, S. Conley, P. Evans, R. Freed, W. Heer, K. Janssen, J. Johnson, J. Johnson, J. Kelly, J. Klein, R. Kochenower, J. Krall, K. Kusel, E. Lentz, K. Larson, J. Long, L. Murdock, L. Nelson, P. Raymer, T. Reinbolt, P. Rose, M. Schmidt, G. Schwab, R. Smoot, D. Starner, M. Witt
KS Agric. Exp. Stn. Report of Progress 937, Apr. 2005
- 05-267-J Comparative susceptibility of western corn rootworm (Coleoptera: Chrysomelidae) adults to selected insecticides in Kansas
K.Y. Zhu, G.E. Wilde, P.E. Sloderbeck, L.L. Buschman, R.A. Higgins, R.J. Whitworth, R.A. Bowling, S.R. Starkey, F. He
J. of Economic Entomology, 98(6):2181-2187, 2005
- 05-287-A Crop water allocation for limited ground water
N.L. Klocke, L.R. Stone, G.A. Clark, T.J. Dumler, S. Briggeman
Proceedings of the ASAE Annual International Meeting
Tampa, FL, 2005, 11 pp., Paper no. 051287
- 05-340-S Field day 2005, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, D. Leikam, B. Olson, M. Alam, N. Klocke, R. Currie, M. Brouk, R. Aiken, G. Clark, L. Buschman, P. Sloderbeck, M. Witt, R. Hale, D. Henson, G. Gold, C. MacKown, T. Herrman
KS Agric. Exp. Stn. Report of Progress 945, Aug. 2005
- 06-11-S 2005 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, J. Stack, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, M. Spangler, E. Parker, B. Seabourn, M. Knapp, R. Bennett, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 947, July 2005
- 06-28-J Water allocation model for limited irrigation
N.L. Klocke, L.R. Stone, G.A. Clark, T.J. Dumler, S. Briggeman
Applied Engineering in Agriculture, 22(3):381-389, 2006
- 06-34-J Furrow irrigation management with limited water
J.P. Schneekloth, N.L. Klocke, D.R. Davison, J.O. Payero
Applied Engineering in Agriculture, 22(3):391-398, 2006
- 06-96-J Survey of sampling methods employed by Kansas crop consultants in scouting for adult western corn rootworms (Coleoptera: Chrysomelidae) in field corn
C.A. Daves, R.A. Higgins, P.E. Sloderbeck, G.E. Wilde, R.J. Whitworth, K.Y. Zhu, L.L. Buschman
American Entomologist, 53:8-11, 2007
- 06-108-S 2005 Kansas performance tests with corn hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gorgon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 949, Nov. 2005

- 06-123-A Optimizing water allocations and crop selections for limited irrigation
N.J. Klocke, L.R. Stone, G.A. Clark, T.J. Dumler, S. Briggeman
Proceedings of the 26th Annual International Irrigation Association Technical Conference
Phoenix, AZ, 2005, 4 pp.
- 06-127-S 2005 Kansas performance tests with grain sorghum hybrids
K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, R. Wilkes, M. Claassen, W.B. Gordon, W. Heer, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 950, Nov. 2005
- 06-128-S 2005 Kansas performance tests with soybean varieties
W. Schapaugh, Jr., K. Roozeboom, P. Evans, J. Long, M. Spangler, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux
KS Agric. Exp. Stn. Report of Progress 951, Dec. 2005
- 06-148-S 2005 Kansas performance tests with alfalfa varieties
K. Roozeboom, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer, L. Maddux
KS Agric. Exp. Stn. Report of Progress 952, Dec. 2005
- 06-152-S 2005 Kansas performance tests with sunflower hybrids
P. Evans, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 953, Dec. 2005
- 06-156-A Comparisons of KIH-485 and S-metolachlor for weed control in corn
R.S. Currie, D. Regehr
Proceedings of the North Central Weed Science Society
Kansas City, MO, 2005, 84 pp.
- 06-201-A Crop selections and water allocations for limited irrigation
N.L. Klocke, L.R. Stone, T.J. Dumler, G.A. Clark, S. Briggeman
Proceedings of the Central Plains Irrigation Conference
Colby, KS, 2006, p. 151-161
- 06-202-A Effect of crop residue on sprinkler irrigation management
N.L. Klocke, R.S. Currie, T.J. Dumler
Proceedings of the Central Plains Irrigation Conference, 2006, pp. 21-22
- 06-216-A Is downy brome (*Bromus tectorum* L.) a noxious weed or valued cover crop in irrigated corn?
R.S. Currie, N.L. Klocke, P.E. Sloderbeck, H.N. Davis, L.L. Buschman
Proceedings of the Western Society of Weed Science
Reno, NV, 2006, 58 pp.
- 06-208-A Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet
F.R. Lamm, D.M. O'Brien, D.H. Rogers, T.J. Dumler
Proceedings of the Central Plains Irrigation Conference and Exposition
Colby, KS, 2006, pp. 86-93
- 06-227-J Yield-water supply relationships of grain sorghum and winter wheat
L.R. Stone, A.J. Schlegel
Agronomy J., 98:1359-1366, 2006
- 06-240-S Kansas fertilizer research 2005
D.F. Leikam, M. Alam, H.D. Bond, M.M. Claassen, J.O. Fritz, C.B. Godsey, W.B. Gordon, R. Hale, K.W. Kelley, G.L. Kilgore, R.E. Lamond, D.F. Leikam, D.B. Mengel, J.L. Moyer, J. Naysmith, A.J. Schlegel, D. Seymore, J. Siemens, G. Sohm, L.R. Stone, D.W. Sweeney, C.R. Thompson
KS Agric. Exp. Stn. Report of Progress 957, Mar. 2006
- 06-291-J Evaluation of oviposition deterrence in the management of resistance to transgenic corn by European corn borer (Lepidoptera: Crambidae)
D.W. Onstad, L.L. Buschman
J. of Economic Entomology, 99(6):2100-2109, 2006
- 07-8-S 2006 Kansas performance tests with winter wheat varieties
K. Roozeboom, A. Fritz, D. Jardine, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, A. Schlegel, E. Parker, J. Lingenfelser, W. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 967, Aug. 2006

- 07-34-S Field day 2006, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, T. Dumler, C. Thompson, L. Stone, M. Alam, N. Klocke, R. Aiken, R. Currie, G. Clark, D.H. Rogers, K. Shaw, P. Rickabaugh, G. Gold, L. Buschman, P. Sloderbeck, H. Davis
KS Agric. Exp. Stn. Report of Progress 961, Aug. 2006
- Field day 2006 forage supplement, Southwest Research Extension Center
R. Hale, C. Thompson, T. Dumler, A. Schlegel, T. Herrmann, C. MacKown, T. Roberts, T. Jones, M. Hampton, D. Henson
KS Agric. Exp. Stn. Report of Progress 961s, Aug. 2006
- 07-39-A Economics of irrigation ending date for corn
M. Alam, T.J. Dumler, D.H. Rogers, K. Shaw
Proceedings of the Irrigation Association Annual Conference, 2007, 9 pp.
- 07-56-A Applying swine effluent with SDI and LEPA sprinkler irrigation
F.R. Lamm, T.P. Trooien, A.J. Schlegel
Proceedings of the Irrigation Association International Irrigation Technical Conference
San Antonio, TX, 2006, pp. 513-526
- 07-67-J Management effects on soil physical properties in long-term tillage studies in Kansas
K.A. McVay, J.A. Budde, K. Fabrizzi, M.M. Mikha, C.W. Rice, A.J. Schlegel, D.E. Peterson, D.W. Sweeney, C. Thompson
Soil Science Society of America J., 70:434-438, 2006
- 07-72-J Livestock use as a non-thermal residue management practice in Kentucky bluegrass seed production systems
J.D. Holman, C. Hunt, J. Johnson-Maynard, L. VanTassell, D. Thill
Agronomy J., 99(1):203-210, 2007
- 07-73-J Structural composition, growth stage, and cultivar effects on Kentucky bluegrass forage yield and nutrient composition
J.D. Holman, C. Hunt, D. Thill
Agronomy J., 99(1):195-202, 2007
- 07-100-S 2006 Kansas performance tests with grain sorghum hybrids
J. Lingenfelter, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 969, Nov. 2006
- 07-106-S 2006 Kansas performance tests with corn hybrids
J. Lingenfelter, K. Roozeboom, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, C. Leiker, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 968, Dec. 2006
- 07-114-S 2006 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., J. Lingenfelter, K. Roozeboom, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, M. Spangler
KS Agric. Exp. Stn. Report of Progress 970, Dec. 2006
- 07-115-J How Kansas crop consultants scout for western corn rootworms (Coleoptera: Chrysomelidae) in field corn
T.E. Hunt, L.L. Buschman, P.E. Sloderbeck
American Entomologist, 53:86-93, 2007
- 07-139-S 2006 Kansas performance tests with alfalfa varieties
J. Lingenfelter, K. Roozeboom, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer, L. Maddux
KS Agric. Exp. Stn. Report of Progress 971, Dec. 2006
- 07-144-S 2006 Kansas performance tests with sunflower hybrids
P. Evans, J.E. Lingenfelter, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 972, Dec. 2006
- 07-165-A Water savings from crop residue management
N.L. Klocke, R.S. Currie, T.J. Dumler
Proceedings of the Central Plains Irrigation Conference
Kearney, NE, 2007, pp. 20-21

- 07-166-A Application and utilization of livestock effluent through SDI systems
F.R. Lamm, T.P. Trooien, A.J. Schlegel
Proceedings of the International Symposium on Air Quality and Waste Management for Agriculture
Broomfield, CO, 2007, 8 pp.
- 07-184-S Kansas fertilizer research 2006
M. Alam, H.D. Bond, M.M. Claassen, W.B. Gordon, W.F. Heer, K.A. Janssen, K.W. Kelley, G.L. Kilgore, R.E. Lamond, D.F. Leikam, T.M. Maxwell, J.L. Moyer, T. Roberts, A.J. Schlegel, L.R. Stone, D.W. Sweeney
KS Agric. Exp. Stn. Report of Progress 976, Mar. 2007
- 07-187-S 2006 National winter canola variety trial
M. Stamm, C. La Barge, R. Aiken, R. Auld, R. Bacon, B. Baldwin, D. Baltensperger, G. Fricke, B. Bean, A. Berrada, H. Bhardwaj, D. Bordovsky, G. Church, B. Caldbeck, E. Cebert, S. Conley, E. Christmas, R. Freed, W. Heer, V. Martin, D. Hooper, D. Johnson, R. Kochenower, J. Krall, J. Nachtman, J. Lamle, G. McVey, V. Schuermann, K. Larson, E. Lentz, J. Long, K. Kusel, H. Mason, R. Matheson, K. McKay, L. Nelson, C. Pearson, P. Porter, D. LeGare, C. Rife, G. Roth, M.C. Frier, P. Rose, M. Stack, R. Sidwell, M. Schmidt, J. Klein, D. Starner, R. Thacker, K. Tungate, A. Moore, M. Witt
KS Agric. Exp. Stn. Report of Progress 973, Apr. 2007
- 07-252-J Resistance to *Bacillus thuringiensis* Cry1Ab in *Ostrinia nubilalis* is ineffective against transgenic corn
H. Li, L.L. Buschman, F. Huang, K.Y. Zhu, B. Bonning, B. Oppert
J. of Economic Entomology, 100:1862-1870, 2007
- 08-7-J Storage efficiency of off-season irrigation
L.R. Stone, F.R. Lamm, A.J. Schlegel, N.L. Klocke
Agronomy J., 100:1185-1192, 2008
- 08-11-S 2007 Kansas performance tests with winter wheat varieties
J. Lingenfelter, K. Roozeboom, A. Fritz, E. De Wolf, M. Knapp, J. Whitworth, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, T.J. Martin, M. Spangler, A. Schlegel, R. Chen, L. McLaughlin, R. Miller, B. Bockus, J. Shroyer
KS Agric. Exp. Stn. Report of Progress 982, Aug. 2007
- 08-14-S Field day 2007, Southwest Research-Extension Center
J. Elliot, A. Schlegel, L. Stone, H.D. Bond, M. Alam, C. Thompson, T. Dumler, J. Holman, S. Maxwell, G. Miller, M. Spangler, N. Klocke, D. Tomsicek, R. Currie, M. Brouk, R. Aiken, J. Peterson, D.H. Rogers, G.A. Clark, K. Shaw, D. Peterson, J. Lee, B. Fast, D. Murray, L. Buschman, T. taka Niide, W. Schapaugh, W.B. Gorden, H. Davis, P. Sloderbeck
KS Agric. Exp. Stn. Report of Progress 980, Apr. 2007
- 08-15-S 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
L. Buschman, R. Gillen, J. Elliot, C. Thompson, J. Holman, C. Norwood, N. Klocke, D. Tomsicek, R. Currie
KS Agric. Exp. Stn. Special Publication (UNN), Aug. 2007
- 08-34-J Long-term response of corn to limited irrigation
N.L. Klocke, J.O. Payero, J.P. Schneekloth
J. of Applied Engineering in Agriculture, 50(6):2117-2124, 2007
- 08-120-S 2007 Kansas performance tests with corn hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 983, Oct. 2007

- 08-147-S 2007 Kansas performance tests with soybean varieties
W.T. Schapaugh, Jr., J. Lingenfelter, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, J. Long, M. Spangler, D. Stities
KS Agric. Exp. Stn. Report of Progress 987, Dec. 2007
- 08-148-S 2007 Kansas performance tests with grain sorghum hybrids
J. Lingenfelter, D. Jardine, J. Whitworth, M. Knapp, P. Vadlani, J.R. Cochrane, E.O. Quigley, J. Schacher, N. Mueller, M. Claassen, W.B. Gordon, W. Heer, J. Kimball, L. Maddux, P. Evans, K. Kofoid, J. Long, A. Schlegel, M. Spangler
KS Agric. Exp. Stn. Report of Progress 986, Dec. 2007
- 08-152-A Impact of corn population, irrigation, and hail injury on Palmer amaranth
R.S. Currie, N.L. Klocke
Proceedings of the North Central Weed Science Society, 2007, 62:156
- 08-174-S 2007 Kansas performance tests with sunflower hybrids
P. Evans, J.E. Lingenfelter, K. Roozeboom, J.R. Cochrane, M. Knapp, M. Claassen, W. Heer, K. Kofoid, A. Schlegel
KS Agric. Exp. Stn. Report of Progress 989, Dec. 2007
- 08-191-S 2007 Kansas performance tests with alfalfa varieties
J. Lingenfelter, J.R. Cochrane, P. Evans, J. Moyer, M. Spangler, W.B. Gordon, W. Heer
KS Agric. Exp. Stn. Report of Progress 988, Jan. 2008
- 08-234-S 2007 National winter canola variety trial
M. Stamm, C. La Barge, R. Auld, E. Bechere, R. Bacon, J. Kelly, B. Bean, B. Villarreal, A. Berrada, H. Bhardwaj, B. Caldbeck, J. Hagan, E. Cebert, M. Claassen, D. Crompton, D. Day, J. Gassett, G. Ware, C. Godsey, R. Freed, W. Heer, V. Martin, J. Holman, D. Hooper, J. Johnson, R. Kochenower, K. Larson, E. Lentz, J. Long, K. Kusel, H. Mason, W. Wiebold, J. Massey, R. Matheson, L. Nelson, C. Pearson, C. Rife, G. Roth, M.C. Frier, M. Schmidt, J. Klein, C. Schmidt, R. Sidwell, M. Stack, D. Starner, R. Thacker
KS Agric. Exp. Stn. Report of Progress 990, Mar. 2008
- 08-245-A Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet - 2008
F.R. Lamm, D.M. O'Brien, D.H. Rogers, T.J. Dumler
Proceedings of the Central Plains Irrigation Conference
Greeley, CO, 2008, pp. 61-70
- 08-288-S Field day 2008, Southwest Research-Extension Center
J. Elliott, D. Bond, D. Nolan, A. Schlegel, C. Thompson, T. Dumler, L. Haag, L. Stone, M. Alam, N. Klocke, R. Currie, M. Brouk, J. Lee, P. Westra, J. Fenderson, J. Tichota, J. Mueller, J. Holman, T. Gillum, M. Deewall, A. Burns, H. Davis, L. Buschman, P. Sloderbeck, A. Joshi, T. Niide, W.B. Gordon, C. Khajuria, M. Stamm, G. Miller, S. Maxwell, R. Hale, T. Herrman, L. Murray, K. Roozeboom, D. Yauk
KS Agric. Exp. Stn. Report of Progress 997, Apr. 2008
- 08-312-S Kansas fertilizer research 2007
M. Alam, H.D. Bond, M.M. Claassen, J. Holman, K.A. Janssen, K.W. Kelley, D.B. Mengel, J.L. Moyer, G.M. Pierzynski, A. Schlegel, L. Stone, D.W. Sweeney
KS Agric. Exp. Stn. Report of Progress 993, Apr. 2008
- 08-383-A Water savings from crop residue management
N.L. Klocke, R.S. Currie, T.J. Dumler
Proceedings of the 20th Annual Central Plains Irrigation Conference and Exposition, 2008, pp. 71-79
- 08-384-A Response of corn to deficit irrigation and crop rotations
N.L. Klocke, J.O. Payero, J.P. Schneekloth
Proceedings of the 20th Annual Central Plains Irrigation Conference and Exposition, 2008, pp. 20-27
- 08-391-A Water savings from crop residue management
N.L. Klocke, R.S. Currie, T.J. Dumler
Cover Your Acres Winter Conference
Oberlin, KS, 2008, pp. 50-54

Publications without contribution numbers

Rapid removal of soil nitrate with irrigated and dryland alfalfa

T.C. Willson, N.L. Klocke, M. Alam, A.J. Schlegel

Agronomy Abstracts: 2003 Annual Meetings, American Society of Agronomy

Integrated manure and water management for corn production in western Kansas

T.C. Willson, A.J. Schlegel, N.L. Klocke, T. Dumler, M. Alam

Agronomy Abstracts: 2004 Annual Meetings, American Society of Agronomy

Development of sustainable cropping systems in the High Plains

J.E. Sanchez, T.C. Willson, W.A. Payne, A.F. Cibils, K. Larson

Agronomy Abstracts: 2004 Annual Meetings, American Society of Agronomy.

Introducing legume cover crops into large scale grain-cattle production systems

S.D. Kraich, J.E. Sanchez, T.C. Willson, C.A. Strasia, C. Raines, C. Bensch, M. Lamar, J. Nusz

Agronomy Abstracts: 2004 Annual Meetings, American Society of Agronomy

Fecal bacteria source tracing and abatement in the "Beef Empire" of SW Kansas

T.C. Willson, R.L. Frisbie, G.L. Marchin
Proceedings of the American Water Resource Association 2004 Annual Conference

Water quality and quantity issues associated with irrigated alfalfa production in southwest Kansas

T.C. Willson, N.L. Klocke, A.J. Schlegel, M. Alam

Competing Priorities, Resolving Conflicts: Proceedings of the 20th Annual Water and the Future of Kansas Conference

Lawrence, KS, 2004, p. 15

Identifying sources of fecal bacteria in the Upper Arkansas River

T.C. Willson, R.L. Frisbie, G.L. Marchin

Competing Priorities, Resolving Conflicts: Proceedings of the 20th Annual Water and the Future of Kansas Conference

Lawrence, KS, 2004, p. 69

Rapid removal of soil nitrate with conventional and non-nitrogen-fixing alfalfa

T.C. Willson, N.L. Klocke, M. Alam, A.J. Schlegel

Proceedings of the 2004 Great Plains Soil Fertility Conference

Denver, CO, 2004, pp. 40-46

Control of volunteer wheat: Impact of glyphosate application time on stored soil moisture

R.S. Currie, N.L. Klocke, C.R. Thompson

Proceedings of the 59th North Central Weed Science Society Meeting

Columbus, OH, 2004, 169 pp.

The impact of a single residue incorporation on the seed soil bank of Palmer amaranth under six crop management histories after two years of weed free no-tillage

R.S. Currie

2004 Meeting of the Weed Science Society of America

Kansas City, MO, 2004, 76 pp.

The impact of a killed wheat cover crop on corn yield per unit of water applied

R.S. Currie, N.L. Klocke

Proceedings of the Western Society of Weed Science

Colorado Springs, CO, 2004, 64 pp.

Weed control in tribenuron-methyl tolerant sunflower

C.R. Thompson, A.J. Schlegel, P.W. Sthelman, J.C. Frihauf

Proceedings of the Western Society of Weed Science

Colorado Springs, CO, 2004, 78 pp.

Effect of postemergence glyphosate application timing on weed control and grain yield in glyphosate-resistant corn: Results of a 2-yr multistate study

S.A. Gower, M.M. Loux, J. Cardina, S.K.

Harrison, P.L. Sprankle, N.J. Probst, T.T.

Bauman, W. Bugg, W. S. Curran, R.S. Currie,

R.G. Harvey, W.G. Johnson, J.J. Kells, M.D.K.

Owen, D.L. Regehr, C.H. Slack, M. Spaur, C.L.

Sprague, M. Vangessel, B.G. Young

Weed Technology, 17(4):821-828, 2004

The timing of glyphosate application on seasonal changes in stored soil moisture

R.S. Currie, N.L. Klocke

Proceedings of the Western Society of Weed Science

Vancouver, British Columbia, Canada, 2005, 53 pp.

Addressing fecal bacteria TMDLs in western Kansas

T.C. Willson, G.L. Marchin

Proceedings of the 3rd Conference on Watershed Management to Meet Water Quality Standards and Emerging TMDL (Total Maximum Daily Load)

Atlanta, GA, 2005, p. 66

DIRECTOR'S REPORT OF RESEARCH IN KANSAS 2008

Copyright 2009 Kansas State University Agricultural Experiment Station and Cooperative Extension Service. Contents of this publication may be freely reproduced for educational purposes. All other rights reserved. In each case, credit Director's Report of Research in Kansas 2008, Kansas State University, May 2009.

Brand names appearing in this publication are for product identification purposes only. No endorsement is intended, nor is criticism implied of similar products not mentioned.

Publications from Kansas State University are available on the World Wide Web at: *www.ksre.ksu.edu*

KANSAS STATE UNIVERSITY AGRICULTURAL EXPERIMENT STATION
AND COOPERATIVE EXTENSION SERVICE