

Jason Scott Bergtold

Work:

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EDUCATION

Ph.D. Economics, 2004, Virginia Tech, Blacksburg, VA

Dissertation: *Advances in Applied Econometrics: Binary Discrete Choice Models, Artificial Neural Networks and Asymmetries in the FAST Multistage Demand System* (Advisors: Daniel B. Taylor and Aris Spanos).
AAEA Outstanding Doctoral Dissertation, 2005.

Concentrations: Applied Econometrics, Operations Research, and
Environmental and Natural Resource Economics

M.S. Agricultural and Applied Economics, 2001, Virginia Tech, Blacksburg, VA.

Thesis: *Projected Economic Impacts of the New Partnership Agreement Between the EU and ACP States on the Senegalese Groundnut Sector*
(Advisor: George W. Norton).

B.A. Economics, 1999, Colorado State University, Fort Collins, CO.

EXPERIENCE

Professor, Department of Agricultural Economics, Kansas State University, Manhattan, KS. July 2017 to Present.

Director of Graduate Studies, Department of Agricultural Economics, Kansas State University, Manhattan, KS. January 2017 to July 2018.

Associate Professor, Department of Agricultural Economics, Kansas State University, Manhattan, KS. July 2012 to July 2017.

Assistant Professor, Department of Agricultural Economics, Kansas State University, Manhattan, KS. December 2007 to July 2012.

Agricultural Economist, National Soil Dynamics Laboratory, Agricultural Research Service, U.S. Department of Agriculture, Auburn, AL. June 2004 to December 2007.

Affiliate Assistant Professor, Department of Agricultural Economics and Rural Sociology, Auburn University, Auburn, AL. June 2004 to December 2007.

Graduate Research Assistant, Department of Agricultural and Applied Economics, Virginia Tech, Blacksburg, VA. May 2002 to June, 2004.

Graduate Teaching Assistant, Department of Agricultural and Applied Economics, Virginia Tech, Blacksburg, VA. Spring Semesters, 2002 and 2004.

Instructor, Department of Economics, Virginia Tech, Blacksburg, VA. Fall Semester, 2001 and Spring Semester 2003.

Graduate Research Assistant, Office of International Research and Development, Virginia Tech, Blacksburg, VA. August 1999 to August 2001.

OTHER PROFESSIONAL EXPERIENCE

Editor, *Applied Economics Teaching Resources*, 2018 to Present.

Associate Editor, *Agronomy Journal*, 2008 to 2013

Screening Editor, *Agronomy Journal*, 2010 to 2011

Editor, Conservation Tillage Systems Production Guide Working Group, 2008 to Present

Editor-In-Chief for a conservation tillage systems production guide for the Southeast, entitled, "Conservation Tillage Systems: Production, Profitability and Stewardship." Expected publication in Winter 2020.

Advisor to the Steering Committee, Conservation Agriculture Systems Alliance, Conservation Tillage Information Center, 2007 to 2010

Team Conservation Tillage, Economics Booth, Sunbelt Ag Expo at Moultrie, GA, 2005 to 2007

AAEA Selected Paper Reviewer, Productivity Analysis and Emerging Technologies Section and Econometrics Section, 2010-2012, 2015, and Agribusiness Economics and Management Section, 2018

Referee, *American Journal of Agricultural Economics*, *Agricultural Economics*; *The American Statistician*, *Applied Engineering in Agriculture*; *Australian Journal of Agricultural and Resource Economics*; *Bioenergy Research*; *Biomass and Bioenergy*; *Ecological Economics*; *Energy Economics*; *Forage and Grazing Lands Journal*; *Journal of Agricultural and Applied Economics*; *Journal of Agricultural and Resource Economics*; *Journal of Cooperatives*; *Journal of Economics*; *Journal of Environmental Quality*; *Journal of Natural Resources Policy Research*; *Journal of Soil and Water Conservation*; *Land Use Science*; *Land Use Policy*; *PLOS One*; *Renewable Agriculture and Food Systems*; *Soil and Tillage Research*, *Water Resources Research*

HONORS AND DISTINCTIONS

Excellence in Graduate Teaching Award, College of Agriculture, Kansas State University, 2019.

USDA Food and Agricultural Sciences Excellence in Teaching Award, North Central Region, 2018

Best Overall Paper, European Conference on Precision Agriculture (ECPA), 2017

Outstanding Teaching Award, Less than 10 Years of Experience, Agricultural and Applied Economics Association, 2016

Outstanding Teaching Award, Less than 10 Years of Experience, Western Agricultural Economics Association, 2015
8th International Conference on Sustainable Energy and Environmental Protection (SEEP) SEEP Award for Best Presentation, 2015.
Presidential Award for Excellence in Undergraduate Teaching, Kansas State University, 2014
Outstanding Teaching Award, Gamma Sigma Delta, Kansas State University, 2013
USDA Certificate of Merit, 2005 to 2007
Merit Award, Soil and Water Conservation Society, 2006
To Team Conservation Tillage (of which I was a member) “for advocating the conservation of soil, water and related natural resources.”
Award for Distinguished Service, Alabama Soil and Water Conservation Society, 2006
To the Conservation Systems Research Team (of which I was a member), USDA-ARS in Auburn, AL “for significant contributions in the adoption of conservation tillage in Alabama.”
AAEA Outstanding Doctoral Dissertation, 2005
The Honor Society of Phi Kappa Phi, Virginia Polytechnic Institute and State University, December 2002.
President, AAEC/ECON Graduate Student Assembly, 2000-2001
Omicron Delta Epsilon, Delta Chapter, Colorado State University, December 1999

PROFESSIONAL AFFILIATIONS

Agricultural and Applied Economics Association
American Economics Association
American Society of Agronomy
Conservation Agricultural Systems Alliance
Gamma Sigma Delta, Honor Society for Agriculture
Missouri Valley Economics Association
Phi Kappa Phi Honor Society
Soil and Water Conservation Society
Southern Economics Association
Southern Agricultural Economics Association
Western Agricultural Economics Association
Western Education and Research Activities Committee on Agribusiness (WERA-72)

ADMINISTRATIVE AND SERVICE

Advisor, FarmHouse Fraternity, Kansas State University, 2020 to Present
Editor, Applied Economics Teaching Resources, Agricultural and Applied Economics Association, 2018 to Present.
Distinguished Teaching Award Committee, Agricultural and Applied Economics Association, 2016 to Present.
Invited Case Study Committee, Agricultural and Applied Economics Association, 2018 to Present.
Agricultural Economics Qualifying Examination Committee, Department of Agricultural Economics, Kansas State University, 2011 to 2012, 2015 to 2016, 2019 to Present
Academic Standards Committee, Committee Member, College of Agriculture, Kansas

State University, 2010 to 2015.
Awards Committee, Committee Chair, Department of Agricultural Economics, Kansas State University, 2015 to 2017
Director of Graduate Programs, Department of Agricultural Economics, Kansas State University, 2017 to 2018
Graduate Committee, Committee Member, Department of Agricultural Economics, Kansas State University, 2008 to 2017.
Faculty Senate, College of Agriculture Faculty Senator and Committee on Faculty Affairs, Kansas State University, 2016 to 2019.
FFA Competition Committee, Committee Member, Department of Agricultural Economics, Kansas State University, 2014 to 2018.
Undergraduate Curriculum Review Committee, Committee Member, Department of Agricultural Economics, Kansas State University, 2010 to 2011.
Served on the search committees for Assistant Professor position in Agricultural Economics (2010,2012, 2014, 2015) and Department Head (2008-09), Department of Agricultural Economics, Kansas State University.
Western Education and Research Activities Committee on Agribusiness (WERA-72), Secretary in 2015-2016; Chair-Elect 2016-2017, Chair 2017 to 2018, Past Chair 2018 to 2019.

ADDITIONAL TRAINING AND SKILLS

AAEA Conference Workshop: “Discrete Choice Methods.” 2007 Annual Meetings of the American Agricultural Economics Association, Portland, OR. August 1, 2007.

AAEA Conference Workshop: “Fundamentals of Spatial Economics.” 2007 Annual Meetings of the American Agricultural Economics Association, Portland, OR. July 28, 2007.

WinEpic Training Workshop, Texas A&M Blackland Research Center, Temple, TX. March 26-30, 2007.

Mathworks Training Seminar: “Advanced MATLAB Programming Techniques.” The Mathworks, Washington D.C. September 13, 2006.

Mathworks Training Seminar: “Deploying MATLAB Based Applications.” The Mathworks, Washington D.C. September 14, 2006.

Professional Development Workshop: “Transitioning From Hands-On to Minds-On.” The Professional Development Group, Texas A&M University, College Station, TX. April 4-8, 2005.

Simetar Training Workshop: “Simulation and Risk Analysis.” Agricultural and Food Policy Center in the Department of Agricultural Economics at Texas A&M, at the 2004 Annual Meetings of the American Agricultural Economics Association, Denver, CO. August 4, 2004.

GAMS Programming Workshop: Complementarity Modeling in Economics, Boulder, CO. Instructors: R.W. Cottle and T.F. Rutherford. March 28-31, 2000.

Operations Research, Statistical Software and Programming Languages: C, EPIC, GAMS, LIMDEP/NOLGIT, MATLAB, MATHEMATICA, R, SAS, SIMETAR, SPSS, STATA and @RISK.

TEACHING ACTIVITIES

Kansas State University

AGEC120 **Agricultural Economics and Agribusiness.** A large (200+ students) Freshman level principles course in agricultural microeconomics and agribusiness, covering basic production and consumer theory, supply and demand, market structures and agricultural trends.
Years taught: 2009 to Present

AGEC121 **Honors Agricultural Economics and Agribusiness.** A small (20-25 students) freshman level principles course in agricultural microeconomics and agribusiness for honors students. The course covers basic production and consumer theory, supply and demand, market structures and agricultural trends.
Years taught: 2015 to Present

AGEC501 **Data Analysis and Optimization.** A medium size (40 to 70 students) junior level class introducing students to linear programming, nonlinear programming, applied integer programming, descriptive statistics, linear regression and time series statistics.
Years taught: 2013 to 2015, 2018 to Present

AGEC712 **Optimization Techniques for Agricultural Economics.** A Masters level course introducing students to quantitative techniques in operations research and management science, including linear programming, nonlinear programming, integer programming, network modeling, and applied problem-solving.
Years taught: 2008 to 2018

AGEC750C/955B

Discrete Choice Methods and Applications: A PHD field course in discrete and state choice methodology. The course examines applied econometric modeling, including binary logit, multinomial models, ordered discrete models, GEV models, mixed logit and other discrete choice methods. In addition, the course examines contingent valuation, stated choice and conjoint analysis methods.
Years taught: 2010, 2012, 2014, 2017, 2019

AGEC761 **Optimization Techniques for Agribusiness.** A Masters level distance education course for the Master of Agribusiness (MAB) Program. The course introduces students to quantitative techniques in operations research and management science, including linear programming, nonlinear programming, integer programming, network modeling, and applied problem-solving.
Years taught: 2008 to Present

AGEC936 **Quantitative Topics in Agricultural Economics.** A PhD level course exposing students to recent and relevant developments in agricultural economics and applied econometrics. I am responsible for 25% of the course, covering topics such as econometric model specification issues, misspecification testing and spatial econometrics.
Years taught: 2008 to Present

Auburn University

ECON8310 **Seminar in Econometrics.** A Ph.D. level course that introduces advanced topics in econometrics. I was responsible for 20% of the course, covering discrete choice modeling techniques.
Years taught: 2007

Virginia Tech

ECON2005 **Principles of Microeconomics.** A large (130+ students) undergraduate course that introduces students to the principles of microeconomics, including consumer and firm theory, supply and demand analysis, theory of markets, and economic philosophy.
Years taught: 2001

ECON2006 **Principles of Macroeconomics.** A large (170+ students) undergraduate course that introduces students to the principles of macroeconomics, including supply and demand analysis, international trade, macroeconomic models, money markets, as well as labor and capital markets. This is an undergraduate course with 130+ students.
Years taught: 2003

GRADUATE STUDENT SUPERVISION

Kansas State University

Masters:

Noah Miller, M.S. *Estimating Elasticities of Input Substitution Using Data Envelopment Analysis*. Completed: May 2016.

Lucas Maddy, M.S., *Cover Crop Profitability and Viability*, Completed: May 2012.

PhD:

Asha Nalunga, PhD, Production Economics and Efficiency Analysis, Expected Completion: May 2021.

Noah Miller, PhD, Production Economics. Expected Completion: May 2020. USDA-NIFA Predoctoral Fellow.

Amer Abdulrahim Rashid Al-Sudani, PhD, Land Use, Water and Policy. Expected Completion: May 2020

Weldensie Embaye Teklay, PhD. *Production Efficiency and Policy Impact of Heterogenous Farm Households in Developing Countries*. Completed: August 2018. 2017 University Distinguished Professors Graduate Student Award.

Steven Ramsey, PhD. *Advances in Land Use and Stated Choice Modeling Using Neural Networks and Discrete Choice Models*. Completed: July 2017.

Ana Claudia Sant'Anna, PhD. *Ethanol and Sugarcane Expansion in the Brazilian Cerrado: Farm, Industry, and Market Analyses*. Completed: May 2017, 2016 University Distinguished Professors Graduate Student Award.

Graciela Andrango, PhD. *Essays on Extension Education and Farmers' Adoption of Oilseed Crops and Conservation Practices*, Completed: August 2016.

Sheng Gong, PhD. *Essays on Conservation Adoption and Discrete Choice Modeling*, Completed: August 2016.

Elizabeth Canales, PhD, *Essays on the Adoption and Intensification of Conservation Agricultural Practices Under Risk*, Completed: May 2016.

Samuel M Funk, PhD, *Efficiency and Productivity Measurements to Analyze Farm-Level Impacts from Adoption of Biotechnology Enhanced Soybeans*. Completed: December 2015.

Jason Fewell, PhD, *Essays on Kansas Farmers' Willingness to Adopt Alternative Energy Crops and Conservation Practices*, Completed: May 2013.

Master of Agribusiness:

Jason Madsen, Master of Agribusiness, Expected Completion: May 2020.

Jennifer Kaiser, Master of Agribusiness, Expected Completion: May 2020.

Emily Wilson, Master of Agribusiness, Expected Completion: May 2020.

Will Basham, Master of Agribusiness, Expected Completion: May, 2020.

Mary Haake, Master of Agribusiness. Expected Completion: May 2020.

Jaime Hernandez, Master of Agribusiness. Expected Completion: December 2020.

Scott Marckini, Master of Agribusiness, *Multiple Warehouse to Customer Site Optimization Study in Support of a Company Strategic Customer Service Initiative*. Completion: May 2019.

Cassandra Schneider, Master of Agribusiness, *Ethanol Plant Predictive Regression Models: The Importance of Plant Data Analytics*. Completed: May 2019.

Michael Reecy, Master of Agribusiness. *Location Optimization of Dairy Processing*. Completed: May 2018.

John Locklear, Master of Agribusiness. *Optimized Staffing Between Product Lines for a Technical Support Center*. Completed: May 2018.

Todd Higgins, Master of Agribusiness. *An Economic Analysis of the Value of Grazing Winter Cover Crops*. Completed: August 2017.

Nicole Meiners, Master of Agribusiness. *A Transportation and Location Optimization Model: Minimizing Total Cost of Oilseed Crushing Facilities in Kansas*. Completed: May 2016.

Christy Wipperfurth, Masters of Agribusiness. *An Employee Assignment Optimization Model Exploring Cross-Training and Specialization Through Multiple Management Strategies*. Completed: December 2014.

Sally Long, Masters of Agribusiness. *Evaluation Farm Management Strategy Using Sensitivity and Stochastic Analysis*, Completed: May 2013

Grant Good, Masters of Agribusiness. *Feasibility of Diesel-Electric Hybrid Drives for Combine Harvesters*, Completed: May 2013

Aaron Bartholomay, Masters of Agribusiness, *Analysis of Machine Failure Codes and the Impact on Customer Satisfaction*, Completed: May 2013.

Kevin Heikes, Masters of Agribusiness, *Online Cash Grain Exchange: Examining Factors Impacting the Level of Webbased Trades and Potential Future Adoption of Mobile Technology*, Completed: May 2010.

Philippe Stefan, Masters of Agribusiness, *The Optimization of Wheat and Wheat Additives Blending at Grands Moulins de Dakar*, Completed: December 2012.

Committee Member: *PhD* – Paul Aseete, Manzamasso Hodjo, Tebila Nakelse, Florence Lwiza, Syed Haroon Bin Farrukh, Nicholas Pates, Krishna Pokharel, Bryon Parman, Alexi Thompson, Lijia Mo, Elizabeth Yeager, Craig Smith, Nicolas Efrain Quintana Ashwell, Emrah Er, Iddrisu Yahaya, Rulianda Wibowo, Bebonchu Atems (Economics), Vladimir Bejan (Economics), Moyad Hussain Al Rasasi (Economics), Mohammad Ahmed (Economics); Haydory Akbar Ahmed (Economics), Naafey Sardar (Economics), Sidonia McKenzie (Economics), Robert Florence (Agronomy); Oliver Freeman (Agronomy), Anne Rigdon (Grain Science), Adrian Martinez-Kawas (Grain Science), Kyle Coble (Animal Science), Gabriel Granco (Geography); Howell Gonzales (Biological and Ag Engineering); Nibal Tawfiq Albashabsheh (Industrial Engineering), Stanley Veitch (Sociology)
Masters – Jayce Stabel, Claire Newman, Michelle Estes, Jon Brammer, Dustin Shearer, Nathan Clarke, Rebecca Manes, Carly Whorton, Ashley Jones, Beau Furrow, Elizabeth Canales, Cora Newsom, Matthew Pachta, Chris Crosby;
Master of Agribusiness (MAB) – Arturo Gonzalez de Cosio, Adam Tjernagel, Theresa Sisung, Matthew Chen, Dustin Newlin, Nicholas Sousek, Emilie Jensen, Joseph Mosier, Lance Zollinger, Nathan Perry, Paul Pommer, Michael Kempke, Audra Weber, Kaitlin Anderson, Arturo Gonzalez, Christopher Witt, Tyrell Fickenscher, Matt Shekels, John Brasington, Clint Petit, Michael Carmichael, Teresa Zube, Amy Brusk, Tim Ulrich.

Auburn University

Manik Anand, PhD. *Essays on the Profitability of Winter Farming Enterprises*, Completed: December 2010.

Committee Member: Masters – Meredith Tallant, Andre Biscaro.

PEER-REVIEWED JOURNAL PUBLICATIONS

Bergtold, J.S., E. Yeager and T.W. Griffin. “Spatial Dynamics in the Classroom: Does Where You Sit Matter?” *Plos One* (2019): Forthcoming.

Granco, G. J. Heier Stamm, *J.S. Bergtold*, M. Daniels, M. Sanderson, A. Sheshukov, M. Mather, M. Caldas, S. Ramsey, R. Lehrter, D. Haukos, J. Gao, S. Chatterjee, J. Nifong and J. Aistrup. “Evaluating Environmental Change and Behavioral Decision-Making for Sustainability Policy Using an Agent-Based Model: A Case Study for the Smoky Hill Watershed, Kansas” *Science of the Total Environment* (2019) 695(10): <https://doi.org/10.1016/j.scitotenv.2019.133769>.

Miller, N.J., *J.S. Bergtold* and A.M. Featherstone. “Meaningful Economic Elasticities of Input Substitution Using Data Envelopment Analysis.” *PlosOne* (2019) 14(8): doi: [10.1371/journal.pone.0220478](https://doi.org/10.1371/journal.pone.0220478).

Ramsey, S., *J.S. Bergtold*, E. Canales and J.R. Williams. “Effects of Farmers’ Yield Risk Perceptions on Conservation Practice Adoption in Kansas.” *Journal of Agricultural and Resource Economics* (2019) 44(2): 380-403.

Brewer, B., *J.S. Bergtold*, A.M. Featherstone and C.A. Wilson. “Farmer’s Choice of Credit Between the Farm Credit System, Commercial Banks, and Nontraditional Lenders.” *Journal of Agricultural and Resource Economics* (2019) 44(2): 362 – 379.

Bergtold, J.S., S.M. Ramsey, L. Maddy and J.R. Williams. “A Review of Economic Considerations for Cover Crops as a Conservation Practice,” *Renewable Agriculture and Food Systems* (2019) 34(1): 62 – 76.

Koble, K.F., M.B. Menegat, *J.S. Bergtold*, S.S. Dritz, M.D. Tokach, J.M. DeRouchey, R.D. Goodband and J.C. Woodsworth. “Using Network Flow Modeling to Determine Pig Flow in a Commercial Production System.” *Computers and Electronics in Agriculture* 155 (2018): 190 – 202.

Sanderson, M.R., *J.S. Bergtold*, M.M. Caldas, S.M. Ramsey and J.L. Heier Stamm. “Climate Change Beliefs in an Agricultural Context: What is the Role of Values Held By Farming and Non-Farming Groups?” *Climatic Change* 150(3-4) (2018): 259 – 272.

Embaye, W., *J.S. Bergtold*, D. Archer, C. Flora, G. Andrango, M. Odening and J. Buysse. “Examining Farmers’ Willingness to Grow and Allocate Land for Oilseed Crops for Biofuel Production.” *Energy Economics* 71 (2018):311 – 320.

Sant’Anna, A.C., *J.S. Bergtold*, A. Shanoyan, G. Granco and M.M. Caldas. “Examining the Relationship Between Vertical Coordination Strategies and Technical Efficiency: Evidence from the Brazilian Ethanol Industry.” *Agribusiness* 34(4) (2018): 793 – 812.

Granco, G., A.C. Sant'Anna, J.S. Bergtold, M.M. Caldas. "Factors Influencing Ethanol Mill Location in a New Sugarcane Producing Region in Brazil." *Biomass and Bioenergy* 111 (2018): 125 – 133.

Canales, E., J.S. Bergtold, J.R. Williams. "Modeling the Choice of Tillage Used for Dryland Corn, Wheat and Soybean Production by Farmers in Kansas." *Agricultural and Resource Economics Review* (2018) 47(1): 90 - 117.

McKee, B., A.C. Sant'Anna, J.S. Bergtold, M.M. Caldas and G. Granco. "Trust Me! Examining the Contractual Relationships Between Sugarcane Producers and Mills in the Cerrado." *Revista de Extensão e Estudos Rurais* (2017) 6(2): 98 – 117.

Bergtold, J.S., K.P. Pokharel, A. Featherstone and L. Mo. "On the Examination of the Reliability of Statistical Software for Estimating Regression Models with Discrete Dependent Variables." *Computational Statistics* 33(2) (2017): 757-786, <https://doi.org/10.1007/s00180-017-0776-5>.

Sanderson, M.R., J.S. Bergtold, J.L. Heier Stamm, M.M. Caldas and S.R. Ramsey. "Bringing the 'Social' into Social-Hydrology: Application to Conservation Policy Support in the Central Great Plains of Kansas, USA." *Water Resources Research* (2017) 53(8): 6725 – 6743.

Miller, N.J., T.W. Griffin, J.S. Bergtold, I.A. Ciampitti and A. Sharda. "Farmers' Adoption Path of Precision Agriculture Technology." *Advances in Animal Bioscience: Precision Agriculture (ECPA)* 8(2)(2017): 708 – 712. *Won Best Overall Paper at ECPA, 2017.*

Bergtold, J.S., M.M. Caldas, A.C. Sant'Anna, G. Granco and V. Rickenbrode. "Indirect Land-Use Change from Ethanol Production: The Case of Sugarcane Expansion at the Farm Level on the Brazilian Cerrado." *Land Use Science* (2017) 12(6): 442 – 456.

Griffin, T.W., N.J. Miller, J.S. Bergtold, A. Shanoyan, A. Sharda and I.A. Ciampitti. "Farm Sequence of Adoption of Information-Intensive Precision Agricultural Technology." *Applied Engineering in Agriculture* (2017) 33(4): 521 – 527.

Bergtold, J.S., E.A. Yeager and A.M. Featherstone. "Sample Size and Robustness of Inferences from Logistic Regression in the Presence of Rare Events, Nonlinearity, and Multicollinearity." *Journal of Applied Statistics* (2017) 45(3): 528 - 546.

Bergtold, J.S., A. Shanoyan, J.E. Fewell and J.R. Williams. "Annual Bioenergy Crops for Biofuel Production: Farmers' Contractual Preferences for Producing Sweet Sorghum." *Energy* 119(2017): 724 - 731

Sant'Anna, A.C., A. Shanoyan, J.S. Bergtold, M.M. Caldas and G. Granco. "Ethanol and Sugarcane Expansion in Brazil: What is Fueling the Ethanol Industry?" *International Food and Agribusiness Management Review* 19(4) (2016): 164 – 181.

Lynes, M.K., *J.S. Bergtold*, J.R. Williams and J.E. Fewell. “Farmers’ Willingness to Produce Alternative Cellulosic Biofuel Feedstocks: An Analysis of Adoption and Initial Acreage Allocation.” *Energy Economics* 59(2016): 336-348.

Caldas, M.M., *J.S. Bergtold*, J.M. Peterson and D. Earnhart. “Land Use Choices: The Case of Conservation Reserve Program (CRP) Re-Enrollment in Kansas.” *Land Use Science* 11(5)(2016): 579 – 594.

Andrango, G. C., *J.S. Bergtold*, D. Archer and C. Flora. “Assessing Extension and Outreach Education Levels for Biofuel Feedstock Production in the Western United States.” *Open Agriculture* 1(1) (2016): 29 – 36.

Fewell, J.E., *J.S. Bergtold* and J.R Williams. “Farmers’ Willingness to Contract Switchgrass as a Cellulosic Bioenergy Crop in Kansas.” *Energy Economics* 55(2016): 292 – 302.

Williams, J.R., J. Brammer, R.V. Llewelyn and *J.S. Bergtold*. “An Economic Analysis of Harvesting Biomass from Sorghum and Corn.” *Journal of the American Society of Farm Managers and Rural Appraisers* (2016). Available at: <http://ageconsearch.umn.edu/handle/236656>.

Atems, B. and *J. Bergtold*. “Revisiting the Statistical Specification of Near-Multicollinearity in the Logistic Regression Model.” *Studies in Nonlinear Dynamics & Econometrics* 20(2016): 199 – 210.

Williams, J., J. Brammer, R. Llewelyn and *J. Bergtold*. “Producing and Harvesting Perennial Grasses for Cellulosic Biomass versus Alfalfa in Northeast Kansas.” *Western Economic Forum* Spring 14(2015): 22 – 31.

Sant’Anna, A.C., G. Granco, *J. Bergtold* and M.M. Caldas. “The Challenges of the Sugarcane Expansion: How do Landowners and Producers Think and Act.” (“Os Desafios Da Expansao Da Cana-De-Acucar: Como Pensam E Agem Arrendatarios E Produtores?”) *Radar Bulletin – Technology, Production and Foreign Trade, Special Edition*, IPEA, Brazil (2015): 39 – 48.

Granco, G., M.M. Caldas, *J.S. Bergtold*, A.C. Sant’Anna. “Exploring the Policy and Social Factors Fueling the Expansion and Shift of Sugarcane Production in the Brazilian Cerrado.” *Geojournal* (2015): 1 – 18. doi: 10.1007/s10708-015-9666-y

Caldas, M.M., M.R. Sanderson, M. Mather, M.D. Daniels, *J.S. Bergtold*, J. Aistrup, J.L. Heier-Stamm, D. Haukos, K. Douglas-Mankin, A.Y. Sheshukov and D. Lopez-Carr. “Opinion: Endogenizing Culture in Sustainability Science and Research and Policy.” *Proceedings of the National Academy of Science* 112(27)(2015): 8157 – 8159.

Altman, I. *J.S. Bergtold*, D. Sanders and T. Johnson. “Willingness to Supply Biomass for Bioenergy Production: A Censored Tobit Analysis.” *Energy Economics* 47(2015): 1 – 10.

E. Onukwugha, *J. Bergtold* and R. Jain. “A Primer on Marginal Effects – Part II: Health Services Research Applications.” *PharmacoEconomics* 33(2015): 97 – 103. doi: 10.1007/s40273-014-0224-0

E. Onukwugha, *J. Bergtold* and R. Jain. “A Primer on Marginal Effects – Part I: Theory and Formulae.” *PharmacoEconomics* 33(2014): 25 – 30. doi: 10.1007/s40273-014-0210-6.

Funk, S. and *J.S. Bergtold*. “Cost Efficiency Changes and Adoption of Biotechnology Enhanced Soybeans in Kansas.” *Journal of American Association of Farm Managers and Rural Appraisers* (2014). Available at: <http://www.asfmra.org/wp-content/uploads/2014/06/403-Bergtold.pdf>.

Brown, J.C., E. Hanley, *J.S. Bergtold*, M. Caldas, V. Barve, D. Peterson, R. Callihan, J. Gibson, B. Gray, N. Hendricks, N. Brunzell, K. Dobbs, J. Kastens and D. Earnhart. “Ethanol Plant Location and Intensification vs. Extensification of Corn Cropping in Kansas.” *Applied Geography* 53(2014): 141 – 148.

Bergtold, J.S., J.E. Fewell and J.R. Williams. “Farmers' Willingness to Produce Alternative Cellulosic Biofuel Feedstocks Under Contract in Kansas Using Stated Choice Experiments.” *Bioenergy Research* 7(2014): 876 – 884.

Bergtold, J.S. and E. Onukwugha. “The Probabilistic Reduction Approach to Specifying Multinomial Logistic Regression Models in Health Outcomes Research.” *Journal of Applied Statistics* 41(2014): 2206 – 2221.

Caldas, M.M., *J.S. Bergtold*, J.M. Peterson, R. Graves, D. Earhart, S. Gong, B. Lauer, and J.C. Brown. “Factors Affecting Farmers' Willingness to Grow Alternative Biofuel Feedstocks Across Kansas.” *Biomass and Bioenergy* 66(2014): 223 – 231.

Peterson, J.M., M.M. Caldas, *J.S. Bergtold*, B.S. Sturm, R.W. Graves, D. Earnhart, E.A. Hanley, and J.C. Brown. “Economic Linkages to Changing Landscapes.” *Environmental Management* 53 (2014): 55 – 66.

Barkley, A., J. Tack, L.L. Nalley, *J.S. Bergtold*, R. Bowden and A. Fritz. “Weather, Disease, and Wheat Breeding Effects on Kansas Wheat Varietal Yields, 1985 – 2011.” *Agronomy Journal* 106(2014): 227 – 235. doi:10.2134/agronj2013.0326. Published Online October 2013.

Fewell, J.E., M.K. Lynes, J.R. Williams and *J.S. Bergtold*. “Kansas Farmers' Interest and Preferences for Growing Cellulosic Bioenergy Crops.” *Journal of American Association of Farm Managers and Rural Appraisers* (2013): 132 – 153. Available at: <http://ageconsearch.umn.edu/bitstream/161493/2/385%20Williams.pdf>.

Altman, I., J.S. Bergtold, D. Sanders and T. Johnson. "Market Development of Biomass Industries." *Agribusiness: An International Journal* 29(2013): 486 – 496.

Williams, J.R., M.J. Pacht, K.L. Roozeboom, R.V. Llewelyn, M.M. Claassen and J.S. Bergtold. "Risk Analysis of Tillage and Crop Rotation Alternatives with Winter Wheat." *Journal of Agricultural and Applied Economics* 44(4) (2012): 1 – 16.

Bergtold, J.S., P.A. Duffy, D. Hite and R.L. Raper. "Demographic and Management Factors Affecting the Adoption and Perceived Yield Benefit of Winter Cover Crops." *Journal of Agricultural and Applied Economics* 44(1)(2012): 99 – 116.

Odeh, O.O., A.M. Featherstone and J.S. Bergtold. "Reliability of Statistical Software." *American Journal of Agricultural Economics*. 92(5)(2010): 1472 – 1489.

Bergtold, J.S., A. Spanos and E. Onukwugha. "Bernoulli Regression Models: Revisiting the Specification of Statistical Models with Binary Dependent Variables." *Journal of Choice Modeling*. 3(2010): 1-28.

Bergtold, J.S. and J.J. Molnar. "Limited Access to Conservation: Limited Resource Farmer Participation in the Conservation Security Program in the Southeast." *Journal of Agricultural and Applied Economics*. 42(2010): 211-227.

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Bergtold, J.S., G. Norton and C. Brewster. "Lomé to Cotonou: Trade Policy Alternatives for the Senegalese Groundnut Sector." *Agricultural Economics*. 33(2005): 315-323.

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PEER-REVIEWED BOOK CHAPTERS

Caldas, M., M. Mather, *J. Bergtold*, M. Daniels, G. Granco, J. Aistrup, D. Haukos, A.Y. Sheshukov, M. Sanderson and J.L. Heier Stamm. "Understanding the Central Great Plains as a Coupled Climatic-Hydrologic-Human System: Lessons Learned in Operationalizing Interdisciplinary Collaboration." In: *Collaboration Across Boundaries for Social-Ecological Systems Science: Experiences Around the World*. S. Perz (eds). Cham, Switzerland: Palgrave MacMillan, 2019: 265 – 294.

Granco, G., M. Caldas, A. Featherstone, A.C. Sant'Anna, and *J. Bergtold*. "Farmers' Acreage Responses to the Expansion of Sugarcane Ethanol Industry: The Case of Goiás and Mato Grosso do Sul, Brazil." In: *Land Allocation for Biomass: Challenges and Opportunities*. Li, R. and Monti, A. (eds.) Springer: Forthcoming, 2018: 103-123.

Sant'Anna, A. C., G. Granco, *J. Bergtold*, M.M. Caldas, T. Xia, P. Masi, T. Link, and W. Lorenzani. "Chapter 13: The Challenges of the Sugarcane Expansion: How do Producers and Land Owners Think and Act?" In: *Forty Years of Ethanol in Brazil: Hide or Confront the Crises?* Santos, G. (eds) Brasilia: IPEA, 2016.

Anand, M. D.W. Archer, *J.S. Bergtold* and E. Canales. "Balancing Feedstock Economics and Ecosystem Services." In: *Sustainable Feedstocks for Advanced Biofuels: Sustainable Alternative Fuel Feedstock Opportunities Challenges and Roadmaps for six U.S. Regions*. R. Braun, D. Karlen and D. Johnson (eds.). Ankeny, IA: Soil Water Conservation Society, 2011.

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Bergtold, J.S., A.C. Sant'Anna, N. Miller, S.M. Ramsey and J.E. Fewell. "Water Scarcity and Conservation along the Biofuel Supply Chain in the United States: From Farm to Refinery." In: Competition for Water Resources. J. Ziolkowska and J. Peterson eds. Elsevier: 2017. 124 – 143.

MANUSCRIPTS UNDER REVIEW AT PEER- REVIEWED JOURNALS

Ajewole, K., D. Elliott, T.C Schroeder and *J.S. Bergtold*. "Food and Nonfood Risks: A Relative Risk Evaluation." Submitted to *Journal of Agricultural Economics* in October 2019.

Albashesheh, N.T., J.L. Heier Stamm and *J.S. Bergtold*. "Lignocellulosic Biomass-to-Biofuel Supply Chain Optimization Considering Mobile Pelletizing and Farmers' Choices." Submitted to *IISE Transactions* in June 2019.

Miller, N.J. J. Tack and *J.S. Bergtold*. "The Impact of Warming Temperatures on US Sorghum Production and the Potential for Adaptation." Submitted to the *American Journal of Agricultural Economics* in April 2019.

Canales, E., *J.S. Bergtold* and A.M. Featherstone. "Farm Efficiency and Productivity Growth: The Effect of Commodity Prices." Submitted to the *Journal of Agricultural and Applied Economics* in March 2019.

Danelon, A.F., H.F.S. Spolador and *J.S. Bergtold*. "Technical Efficiency Analysis of the Brazilian Sugarcane Agroindustry." Submitted to *Applied Economic Letters* in February 2019.

Canales, E., *J.S. Bergtold* and J.R. Williams. "Conservation Complementarity and Timing of Adoption On-Farm." Submitted to *Agricultural Economics* in May 2019.

Ramsey, S. *J.S. Bergtold*, J. L. Heier Stamm. "Field-Level Land-Use Adaptation to Local Weather Trends." Resubmitted to *American Journal of Agricultural Economics* in April 2019.

Ramsey, S. and *J.S. Bergtold*. "Neural network estimators of binary choice processes for valuing environmental amenities: estimation, marginal effects and WTP." Submitted to *Computational Economics* in March 2019.

Ramsey, S. and *J.S. Bergtold*. "An Artificial Neural Network Approach to Acreage Share Modeling." Submitted to *Agricultural Economics* in February 2019.

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Bergtold, J.S., A. Shanoyan, J.E. Fewell and J.R. Williams. "Farmers' Willingness to Grow Sweet Sorghum as an Annual Bioenergy Crop Under Contract: Assessing Willingness to Pay for Contract Attributes." In: State of the Art on Energy Developments, Proceedings of the 8th International Conference on Sustainable Energy and Environmental Protection (SEEP) – Part 2, A.G. Olabi and A. Alaswad (eds.) School of Engineering and Computing, University of West Scotland, Paisely, Scotland, August 11 – 14, 2015. Won SEEP 2015 Award for Best Presentation.

Granco, G., A.C. Sant'Anna, J.S. Bergtold, M.M. Caldas. "Ethanol Plant Location Decision in the Brazilian Cerrado." In: State of the Art on Energy Developments, Proceedings of the 8th International Conference on Sustainable Energy and Environmental Protection (SEEP) – Part 1, A.G. Olabi and A. Alaswad (eds.) School of Engineering and Computing, University of West Scotland, Paisely, Scotland, August 11 – 14, 2015.

K.S. Balkcom, J.S. Bergtold, C.D. Monks, A.J. Price and D.P. Delaney. "Planting and Defoliation Timing Impacts On Cotton Yield and Quality." In: Beltwide Cotton Conferences 2005-2010 Proceedings, S. Boyd, M. Huffman and B. Robertson (eds). New Orleans, Louisiana, January 4-7, 2010. Available at: <http://www.cotton.org/beltwide/proceedings/2005-2010/>.

Bergtold, J.S., K.S. Balkcom, F.J. Arriaga, T.S. Kornecki, A.J. Price and R.L. Raper. "Conservation Tillage, Irrigation and Variety Selection on Cotton Quality Premiums, Discounts and Profitability: Evidence from the Gin." In: Proceedings of the 30th Southern Conservation Agricultural Systems Conference and 8th Annual Georgia Conservation Production Systems Training Conference, D.M. Endale (ed.) Tifton, Georgia, July 29-31, 2008. Available at: <http://www.ag.auburn.edu/auxiliary/nsdl/scasc/>.

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Saini, M., A.J. Price, K.S. Balkcom, E. VanSanten, J.S. Bergtold and T.S. Kornecki. "Effects of Different Winter Cover Crops on Conservation Tillage Tomato Quality and Yield." In: Proceedings of the 30th Southern Conservation Agricultural Systems Conference and 8th Annual Georgia Conservation Production Systems Training Conference, D.M. Endale (ed.) Tifton, Georgia, July 29-31, 2008. Available at: <http://www.ag.auburn.edu/auxiliary/nsdl/scasc/>.

R.L. Raper, E.B. Schwab, *J.S. Bergtold*, A.J. Price, K.S. Balkcom, F.J. Arriaga and T.S. Kornecki. “Maximizing Cotton Production and Rye Cover Crop Biomass Through Timely In-Row Subsoiling.” In: *Proceedings of the 30th Southern Conservation Agricultural Systems Conference and 8th Annual Georgia Conservation Production Systems Training Conference*, D.M. Endale (ed.) Tifton, Georgia, July 29-31, 2008. Available at: <http://www.ag.auburn.edu/auxiliary/nsdl/scasc/>.

Price, A.J. F.J. Arriaga, K.S. Balkcom, *J.S. Bergtold*, T.S. Kornecki and R.L. Raper. “Tillage System and Cereal Rye Residue Affects Pigweed Establishment and Competitiveness in Cotton.” In: *Proceedings of the National Cotton Council Beltwide Cotton Conference*, Boyd, S., et al. (eds.), Nashville, TN, January 8-11, 2008.: 1703-1705.

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Bergtold, J.S., M. Anand and J. Molnar. “Joint Adoption of Conservation Agricultural Practices by Row Crop Producers in Alabama.” In: *Proceedings of the 29th Southern Conservation Agricultural Systems Conference*, D.L. Wright, J.J. Marois, and K. Scanlon (eds.), Quincy, Florida. June 25-27, 2007. Available at: <http://www.ag.auburn.edu/auxiliary/nsdl/sctcsa/>.

Morton, T.A. and *J.S. Bergtold*. “The Economics of Cover Crop Biomass for Corn and Cotton.” In: *Proceedings of the 28th Southern Conservation Tillage Systems Conference*, R.C. Schwartz, R.L. Baumhardt and J.M. Bell (eds.), Amarillo, Texas. June 26-28, 2006, USDA–ARS Conservation and Production Research Laboratory, Report No. 06-1, Bushland, TX. Available at: <http://www.ag.auburn.edu/aux/nsdl/sctcsa/>.

Raper, R.L., E.B. Schwab and *J.S. Bergtold*. “Reducing Recomposition with Automatic Steering.” In: *Proceedings of the 2006 Beltwide Cotton Conference*. M. Huffman and D. Richter (eds.), San Antonio, TX, January 3 – 6, 2006, National Cotton Council of America, Omnipress, 2006, pp. 512-515.

Bergtold, J.S., J.A. Terra, D.W. Reeves, J.N. Shaw, K.S. Balkcom and R.L. Raper. “Profitability and Risk Associated With Alternative Mixtures of High-Residue Cover Crops.” In: *Proceedings of the 27th Southern Conservation Tillage Systems Conference*, W. Busscher, J. Frederick, and S. Robinson (eds.), Florence, S. Carolina. June 27–29, 2005, Clemson Univ. Pee Dee Research Education Center, Florence, SC. Available at: <http://www.ag.auburn.edu/auxiliary/nsdl/scasc/>

**SELECTED PAPER PRESENTATIONS AT PROFESSIONAL MEETINGS
BY PEER REVIEW**

Miller, N., J. Tack and *J.S. Bergtold*. “The Impact of Warming Temperatures on US Sorghum Production and the Potential for Adaptation.” Selected paper presented at the Agricultural and Applied Economics Association Annual Meeting, Atlanta, GA, July 20 – 22, 2019.

Ajewole, K., D. Elliott, T.C. Schroeder and *J.S. Bergtold*. “Do Values Drive the Risk Gap?” Selected paper presented at the Agricultural and Applied Economics Association Annual Meeting, Atlanta, GA, July 20 – 22, 2019.

Embaye, W.T., *J.S. Bergtold*, B. Schwab and Y.A. Zereyesus. “Modeling Farm Household’s Productivity under Inseparable Production and Consumption Decisions.” Selected paper presented at the Agricultural and Applied Economics Association Annual Meeting, Washington D.C., August 5 – 7, 2018.

Ramsey, S.M., *J.S. Bergtold* and J. Heier Stamm. “An Artificial Neural Network Approach to Acreage-Share Modeling.” Selected paper presented at the Agricultural and Applied Economics Association Annual Meeting, Washington D.C., August 5 – 7, 2018.

McCollum, C. and *J.S. Bergtold*. “Specialized Oilseeds for Bio-Jet Fuel Production: Willingness-to-Grow and Market Potential.” Selected paper presented at the Western Agricultural Economics Association Annual Meeting, Anchorage, AK, June 24 – 26, 2018.

Bergtold, J.S., G. Granco, M. Caldas, E. Canales and A. Sant’Anna. “Sugarcane Expansion and Indirect Land Use Change in the Brazilian Cerrado.” Selected paper presented at the Western Economic Association International 14th Annual International Conference, Newcastle, Australia, January 11 – 14, 2018.

McCollum, C. and *J.S. Bergtold*. “Estimating the Supply of Oilseeds for Biojet Fuel Production: Taking Account of Farmers’ Willingness to Grow.” Selected Paper presented at the I International Meeting on Economic Theory and Applied Economics, Maringa, Parana, Brazil, October 25 – 27, 2017.

Sant’Anna, A.C., *J.S. Bergtold*, M.M. Caldas and G. Granco. “Sugarcane Contracts in Brazil: How Sweet is the Deal?” Selected Paper presented at the I International Meeting on Economic Theory and Applied Economics, Maringa, Parana, Brazil, October 25 – 27, 2017.

Canales, E. *J.S. Bergtold* and J.R. Williams. “Modeling the Factors Affecting Farmers’ Timing of Adoption of In-Field Conservation Practices,” Selected Paper presented at the 2017 Agricultural and Applied Economic Association Annual Meeting, Chicago, IL, July 30 – August 1, 2017.

Embaye, W.T., *J.S. Bergtold* and B. Schwab. “Effect of Crop Insurance on Farm Productivity of Kansas Farms, US.” Selected Paper presented at the 2017 Agricultural and Applied Economic Association Annual Meeting, Chicago, IL, July 30 – August 1, 2017.

Briggeman, B.C, C. Newman and *J.S. Bergtold*. “The Economic Value of Trust.” Selected Paper presented at the 2017 Agricultural and Applied Economic Association Annual Meeting, Chicago, IL, July 30 – August 1, 2017.

Miller, N.J., Rashid, A., *J.S. Bergtold*, T.W. Griffin and A. Shanoyan. “A Spatio-Temporal Analysis of the Adoption Process of Complementary Precision Agricultural Practices in Kansas.” Selected Paper presented at the 2017 Agricultural and Applied Economic Association Annual Meeting, Chicago, IL, July 30 – August 1, 2017.

G. Granco, M. Caldas, *J. Bergtold*, and A.C. Sant’Anna. “Farmer Response to Ethanol Expansion: A Panel Analysis of Sugarcane Ethnaol Production in the Brazilian Savanna.” Presented at the 34th Meeting of the CLAG, New Orleans, LA, 2017.

Miller, N.J., T.W. Griffin, *J.S. Bergtold*, A. Sharda, and I. Ciampitti. “Adoption of Precision Agriculture Technology Bundles on Kansas Farms.” Selected Paper presented at the 2017 Southern Agricultural Economics Association Annual Meeting, Mobile, AL, February 4-7, 2017.

Sant’Anna, A.C., *J.S. Bergtold*, A. Featherstone, M.M. Caldas and G. Granco. “Does Vertical Integration Increase Efficiency? A Look at Ethanol Plants in the Center-South of Brazil.” Selected Paper presented at the 2017 Southern Agricultural Economics Association Annual Meeting, Mobile, AL, February 4-7, 2017.

J.S. Bergtold, E.A. Yeager and T.W. Griffin. “Academic, Demographic and Spatial Factors in the Classroom Affecting Student Performance in Principles of Agricultural Economics Courses.” Selected Paper presented at 2016 Agricultural and Applied Economics Association Annual Meeting, Boston, MA, July 31 – August 2, 2016.

Ramsey, S.M., *J.S. Bergtold*, E. Canales and J.R. Williams. “Farmers’ Risk Perceptions of Intensified Conservation Practices On-Farm.” Selected Paper presented at 2016 Agricultural and Applied Economics Association Annual Meeting, Boston, MA, July 31 – August 2, 2016.

Sant’Anna, A.C., *J.S. Bergtold*, M.M. Caldas and G. Granco. “Analyzing Sugarcane Production Contracts in Brazil: What do farmers really want?.” Selected Paper presented at 2016 Agricultural and Applied Economics Association Annual Meeting, Boston, MA, July 31 – August 2, 2016.

J.S. Bergtold and E. Yeager. “Spatial Dynamics in the Classroom: Does Where You Sit Matter?” Presented at the 2016 WERA-72 Annual Meeting, Fort Collins, CO, June 5 - 7, 2016.

G. Granco, M. Caldas, *J. Bergtold*, and A.C. Sant’Anna. “Ethanol and Farmer’s Land Use Decision-Making in the Brazilian Savanna.” Presented at the Annual Meeting of the AAG, San Francisco, CA, 2016.

M. Regmi, O. Oladipo and *J.S. Bergtold*. “Efficiency Evaluation of Rice Production in Bangladesh.” Selected Paper presented at the 2016 Southern Annual Economics Association Annual Meeting, San Antonio, TX, February 6 – 9, 2016.

Canales, E., *J.S. Bergtold*, J.R. Williams and J. Peterson. “Estimating Farmers’ Risk Attitudes and Risk Premiums for the Adoption of Conservation Practices Under Different Contractual Arrangements: A Stated Choice Experiment.” Selected Paper presented at the 2015 Agricultural and Applied Economics Association Annual Meeting, San Francisco, CA, July 26 – 28, 2015.

Ramsey, S.M. and *J.S. Bergtold*. “Neural Network Estimators of Binary Choice Processes: Estimation, Marginal Effects and WTP.” Selected Paper presented at the 2015 Agricultural and Applied Economics Association Annual Meeting, San Francisco, CA, July 26 – 28, 2015.

Bergtold, J.S., K.P. Pokharel and A. Featherstone. “On The Examination of the Reliability of Statistical Software for Estimating Logistic Regression Models.” Selected Paper presented at the 2015 Agricultural and Applied Economics Association Annual Meeting, San Francisco, CA, July 26 – 28, 2015

Andrango, G. and *J.S. Bergtold*. “Extension Agents’ Preferences on Teaching Methods: An Ordered Probit with Selection Model.” Selected Paper presented at the 2015 Agricultural and Applied Economics Association Annual Meeting, San Francisco, CA, July 26 – 28, 2015.

Shanoyan, A. and *J.S. Bergtold*. “Assessing Impact of Group Composition and Social Factors on Student Performance in Team-Based Learning Activities in Higher Education.” Presented at the 2015 WERA-72 Annual Meeting, Las Vegas, NV, June 21 – 23, 2015.

Caldas, M.M., G. Granco, *J.S. Bergtold* and W.L. Lourenzani. “Sugarcane Expansions and Movements: The Role of Policies, Economics and Social Conditions.” Paper presented at the 33rd Congress of the Conference of Latin Americanist Geographers, Fortaleza, Brazil, May 26 – 30, 2015.

Granco, G., M.M. Caldas, *J.S. Bergtold* and J.C. Brown. "Land Use Change in the Brazilian Cerrado: Impacts of Sugarcane Expansion." Paper presented at the 33rd Congress of the Conference of Latin Americanist Geographers, Fortaleza, Brazil, May 26 – 30, 2015.

Granco, G. A.C. Sant'Anna, M.M. Caldas, *J.S. Bergtold*. "Spatial Explicit Model of Ethanol Plant Location in the Brazilian Cerrado." Paper presented at the Annual Meeting of the Association of American Geographers, Chicago, IL, April 21 – 25, 2015.

Caldas, M.M., G. Granco, *J.S. Bergtold*, J.C. Brown. "How Sugarcane Ethanol Expansion Impacts the Brazilian Cerrado Land Use: Intensification or Extensification?" Paper presented at the Annual Meeting of the Association of American Geographers, Chicago, IL, April 21 – 25, 2015.

Williams, J.R., J. Brammer, *J.S. Bergtold*, R.V. Llewelyn and K. Roozenboom. "An Economic Analysis of Harvesting Cellulosic Biomass from Corn, Grain Sorghums, and Perennial Grasses." Presented at the 2015 Southern Agricultural Economics Association Annual Meeting, Atlanta, GA, January 31 – February 3, 2015.

Bergtold, J.S., A. Shanoyan, I. Altman, J. Fewell and J. Williams. "Estimating the Supply of Corn Stover at the Farm Level for Biofuel Production: Taking Account of Farmers' Willingness to Harvest." Selected Paper presented at the 2014 Agricultural and Applied Economics Association Annual Meeting, Minneapolis, MN, July 27 – 29, 2014.

Bergtold, J.S., S. Gong, I. Atlman, J. Williams and J. Fewell. "Farmers' Willingness to Harvest Agricultural Residues in Kansas under Contract: The Case for Corn Stover." Presented at the WERA-72 Annual Meeting, Las Vegas, NV, June 9 – 11, 2013.

Bergtold, J.S., J. Fewell and J. Williams. "Farmers' Willingness to Produce Alternative Cellulosic Biofuel Feedstocks in Kansas Using Stated Choice Experiments." Selected paper presented at the Sun Grant Initiative 2012 National Conference: Science for Biomass Feedstock Production and Utilization, New Orleans, LA, October 2 – 5, 2012.

Lynes, M.K., *J.S. Bergtold*, J.R. Williams and J.E. Fewell. "Determining Farmers Willingness-To-Grow Cellulosic Biofuel Feedstocks on Agricultural Land." Selected paper presented at the Agricultural & Applied Economics Associations 2012 Annual Meeting, Seattle, Washington, August 12-14, 2012.

Bergtold, J.S. and B. Atems. "Multicollinearity in the Logistic Regression Model in the Presence of Nonlinear Predictor Functions and Discrete Covariates." Paper Presented at the 2011 Annual Meeting of the Missouri Valley Economics Association, Kansas City, KS, October 20 – 22, 2011.

Bergtold, J.S., J. Fewell and J. Williams. “Farmers’ Willingness to Grow Sweet Sorghum as a Cellulosic Bioenergy Crop: A Stated Choice Approach,” Selected paper to be presented at the 2011 annual meeting of the Agricultural and Applied Economics Association, Pittsburgh, PA, July 24-26, 2011.

Bergtold, J.S., E. Yeager and A. Featherstone. “Sample Size and Robustness of Inferences From Logistic Regression in the Presence of Nonlinearity and Multicollinearity,” Selected paper to be presented at the 2011 annual meeting of the Agricultural and Applied Economics Association, Pittsburgh, PA, July 24-26, 2011.

Fewell, J., *J.S. Bergtold* and J. Williams. “Farmers’ Willingness to Grow Switchgrass as a Biofuel Feedstock: A Stated Choice Approach,” Selected Paper Presented at the 2011 CAES-WAEA Joint Annual Meeting, Banff, Alberta, Canada, June 29-July 1, 2011.

Williams, J., M. Pachta, *J.S. Bergtold*, K. Roozeboom, M. Claassen and R. Llewelyn. “Risk Analysis of Tillage and Crop Rotation Alternatives for Winter Wheat,” Selected Paper Presented at the 2011 CAES-WAEA Joint Annual Meeting, Banff, Alberta, Canada, June 29-July 1, 2011.

Anand, M., P.A. Duffy, *J.S. Bergtold*, D. Bransby and C. Shoemaker. “Contract Grazing on Winter Annuals: Risks and Returns for Cattle Owners,” Selected Paper Presented at the 2011 Annual Meetings of the Southern Agricultural Economics Association, Corpus Christi, TX, February 5-8, 2011.

Altman, I., *J.S. Bergtold*, T. Johnson and D. Sanders. “Market Development of Biomass Industries,” Selected Paper Presented to the 57th Annual North American meetings of the Regional Science Association International, Denver, CO, November 10-13, 2010.

Canales, E., D.K. Lambert and *J.S. Bergtold*. “Ecosystem Costs in a Logistical Model of Cellulosic Ethanol Production,” Paper presented at the 2010 INFORMS Annual Meeting, Austin, TX, November 10, 2010.

Bergtold, J.S. and E. Onukwugha. “Revisiting the Statistical Specification of Multinomial Logistic Regression Models: An Application to Predicting Post-Stroke Discharge Disposition,” Paper presented at the 46th Annual Meeting of the Missouri Valley Economic Association, Kansas City, MO, October 22-24, 2009.

Bergtold, J.S. and E. Onukwugha. “Re-Examining the Specification of Regression Models of Multinomial Responses: An Application to Predicting Post-Stroke Discharge Disposition.” Paper presented at the IPSOR 14th Annual International Meeting, Orlando, FL, May 16-20, 2009. *Received IPSOR Best General Podium Research Presentation.*

Balkcom, K.S., F.J. Arriaga, C.M. Mitchell, D. Delaney and *J.S. Bergtold*. “Inorganic and Organic Nitrogen Sources to Optimize Cover Crop Biomass and Cotton Yields in Conservation Systems,” Paper presented at the ASA Southern Regional Branch Meeting, Atlanta, GA, January 31 to February 3, 2009.

Bergtold, J.S., P.A. Duffy, D. Hite and R.L. Raper. “Demographic and Management Factors Affecting the Perceived Benefit of Winter Cover Crops in the Southeast.” Paper presented at the annual meetings of the American Agricultural Economics Association, Orlando, FL, July 27-29, 2008. Available at: <http://ageconsearch.umn.edu/bitstream/6424/2/469271.pdf>

Raper, R.L. and *J.S. Bergtold.* “Reducing Draft Forces and Fuel Requirements on In-Row Subsoiling.” Paper presented at the 2007 Beltwide Cotton Conference, New Orleans, LA, January 9-12, 2007.

Tallant, M.L., J. Molnar and *J.S. Bergtold.* “The Intervening Role of Internet Access in Conservation Practice Adoption in Three Alabama Watersheds.” Paper Presented at the 2006 annual meeting of the Rural Sociological Society, Louisville, KY, August 10, 2007.

Bergtold, J.S., J. Molnar and M.L. Tallant. “Conservation Intensification and the Conservation Security Program in Alabama.” Paper presented at the 2006 annual conference of the Soil and Water Conservation Society, Keystone, CO, July 22-26, 2006.

Bergtold, J.S., J. Molnar and G. Brant. “Limited Access to Conservation: Limited Resource Farmer Participation in the Conservation Security Program in the Southeast.” Paper presented at the XXI Congress of the European Society for Rural Sociology, Keszthely, Hungary, August 22-26, 2005.

Molnar, J., *J.S. Bergtold* and M. Tallant. “Producer Perspectives on the Conservation Security Program in Alabama.” Paper presented at the 2005 annual meeting of the Rural Sociological Society, Tampa, FL, August 8-12, 2005.

Bergtold, J.S. and E.B. Peterson. “Introducing Asymmetric Separability in the FAST Multistage Demand System.” Paper presented at the annual meeting of the American Agricultural Economics Association, Providence, Rhode Island, July 24-27, 2005. Available at: <http://ageconsearch.umn.edu/bitstream/19497/1/sp05be02.pdf>.

Bergtold, J.S. and A. Spanos. “Bernoulli Regression Models: Re-examining Statistical Models with Binary Dependent Variables.” Paper presented at the annual meeting of the American Agricultural Economics Association, Providence, Rhode Island, July 24-27, 2005. Available at: <http://ageconsearch.umn.edu/bitstream/19282/1/sp05be08.pdf>.

Bergtold, J.S., E. Akobundu and E.B. Peterson. “The FAST Method: Estimating Unconditional Demand Elasticities for Processed Foods in the Presence of Fixed Effects.” Paper presented at the annual meeting of the American Agricultural Economics Association, Montreal, Quebec, July 27-30, 2003.

Bergtold, J.S., D.B. Taylor and D.J. Bosch. “Networking Your Way to a Better Prediction: Effectively Modeling Contingent Valuation Survey Data.” Paper presented at the annual meeting of the American Agricultural Economics Association, Montreal, Quebec, July 27-30, 2003. Available at:
<http://ageconsearch.umn.edu/bitstream/22152/1/sp03be09.pdf>.

Bergtold, J.S., G. Norton and C. Brewster. “Projected Impacts of the New Partnership Agreement Between the EU and ACP States on the Senegalese Groundnut Sector.” Paper presented at the annual meeting of the Southern Agricultural Economics Association, Dallas/Fort Worth, TX, January 28-31, 2001.

INVITED PRESENTATIONS

Bergtold, J.S. “Sugarcane Expansion for Ethanol Production in the Brazilian Cerrado: Contracts and Land Use.” Invited departmental seminar presentation at the Department of Economics, University of Kansas, Lawrence, KS, April 25, 2018.

Bergtold, J.S., D. Archer and K. Pokharel. “Economics of Production.” Invited Presentation presented at the Accelerated Commercial Development of Hydrotreated Renewable Oilseed Feedstock Supply Chains Wichita Stakeholder Biofuels Forum, Wichita, KS, July 11, 2017.

Bergtold, J.S. “Farmers’ Willingness to Supply Canola and Other Oilseeds for Biofuel Production.” Invited presentation at the US Canola Association Annual Membership & Board of Directors Meeting, Washington DC, February 27 – March 1, 2017.

Bergtold, J.S. “Sugarcane Expansion in the Brazilian Cerrado: A Look at Producers’ Land Use Decisions.” Invited departmental seminar presentation at the Department of Agricultural Economics, Texas A&M University, College Station, TX, November 18, 2016.

Bergtold, J.S., “Conservation On-Farm in Kansas: Adoption, Intensification and Incentives.” Kansas Natural Resources Conference, Wichita, KS, February 4 – 5, 2016.

Bergtold, J.S. “Farmers’ Willingness to Produce Alternative Bioenergy Feedstocks That Can Be Used in Bio-Jet Fuel Production.” Powering Prosperity: Bioeconomy Policy to Stimulate Growth, The Council on Food, Agriculture and Resource Economics (C-FARE), Washington, DC, March 13, 2015.

Bergtold, J.S. “Crop Production and Conservation on the Farm in Kansas: Balancing Economics, Environmental Stewardship and Risk.” Natural Resources and Environmental Science Seminar Series, Kansas State University, Manhattan, KS, October 2, 2015.

Bergtold, J.S. “Farmers’ Willingness to Produce Alternative Cellulosic Biofuel Feedstocks in Kansas Using Stated Choice Experiments.” Presented as a seminar in the Department of Economics, Administration and Sociology, ESALQ, University of Sao Paulo, Piracicaba, San Paulo, Brazil, June 18, 2013.

Bergtold, J.S. “Biofuel Feedstock Production: Farmer Adoption and Potential Land-Use Impacts.” Presented at the Biofuels, Climate Change and Mitigation: Annual Research Symposium, Lawrence, KS, August 15-16, 2012.

Anand, M., D. Archer, *J.S. Bergtold* and E. Canales. “Balancing Feedstock Economics and Ecosystem Services,” Selected Paper presented at the Sustainable Feedstocks for Advanced Biofuels Workshop, Atlanta, GA, September 28-30, 2010.

Bergtold, J.S. “Cover Crop and Conservation Economics in Kansas.” Presented at the 2010 Crop Production Update Conference put on by the Kansas Agribusiness Retailers Association, Salina, KS, January 13-14, 2010.

Bergtold, J.S., D. Traster, J. Aistrup and B. Golden. Invited to participate in an Oxford Style Debate on the resolution: The free market provides the most efficient and equitable manner to distribute water resources and energy supplies. 2nd annual Kansas Water Issues Forum for Water and Energy: Reduce, Reuse, Recharge. Wichita, KS, December 10, 2008 and Hays, KS, December, 11, 2008.

Bergtold, J.S. “Principles of Economics of Conservation Tillage Production Systems.” Presented to a group of African farmers and agricultural professionals at Tuskegee University, Tuskegee, AL, October 24, 2007.

Bergtold, J.S. “Conservation Tillage Systems Learning Tool and Conservation Tillage Systems Production Guide.” Presented at the 2007 Alabama Farmers Federation Commodity Conference, Conservation Tillage Committee, Mobile, AL, August 9-11, 2007.

Bergtold, J.S. “The Conservation Decision: Economics of Conservation and Precision Agriculture.” Presented at the United State Department of Agriculture’s 2007 Agricultural Outlook Forum, Arlington, VA, March 1-2, 2007.

Bergtold, J.S. and W.R. Goodman. “Principles of Economics of Conservation Tillage Production Systems.” Presented at the Northern Alabama Conservation Tillage Workshop, Decatur, AL, February 1, 2007.

Bergtold, J.S. and W.R. Goodman. “Principles of Economics of Conservation Tillage Production Systems.” Presented at the Southern Alabama Conservation Tillage Workshop, Dothan, AL, January 25, 2007.

Bergtold, J.S. “Conservation Agriculture Economics.” Presented at the Alabama SWCS Annual Meeting, Huntsville, AL, June 7-9, 2006.

Bergtold, J.S. “Economics of Conservation Tillage.” Presented at the Alabama Conservation Tillage Workshop, Andalusia, Alabama, February 14-15, 2006.

Bergtold, J.S. and J. Molnar. “Conservation Security Program: Perspectives of Farmers in Three Alabama Watersheds.” Presented to ARS researchers and NRCS staff at the NRCS State Office, Auburn, AL, May 11, 2005.

Bergtold, J.S. “The Economics of Conservation Tillage and the CSP.” Presented at the Sustainable Agriculture and Conservation Tillage: A System Approach Training Conference, Perry, GA, February 15-17, 2005.

Bergtold, J.S. “The Economics of Conservation and the Conservation Security Program.” Presented to growers at the Alabama Farmers’ Federation Commodity Group annual meeting, Birmingham, AL, February 1-3, 2005.

OTHER PRESENTATIONS

Granco G., J.L. Heier Stamm, J.S. Bergtold, M.R. Sanderson, M.M. Caldas and S.M. Ramsey. “Modeling Human Decisions in a Dynamically Coupled Natural and Human System Framework to Develop Freshwater Sustainability Policies.” Selected presentation as the Institute for Operations Research and the Management Science (INFORMS) Annual Meeting, Seattle, WA, October 20 – 23, 2019.

Sant’Anna, A.C., H. Spolador and *J.S. Bergtold*. “Agricultural Productivity and Technical Efficiency in Brazil at the State Level: Assessing Determinants of Change.” Selected track session presentation at the Agricultural and Applied Economics Association Annual Meeting, Atlanta, GA, July 20 – 22, 2019.

J.S. Bergtold, J.R. Williams and E. Canales. “Perceptions About Conservation Practices on-Farm.” Presented at the 2018 Risk and Profit Conference, Manhattan, KS, August 16 – 17, 2018.

Johnson, A.J., *J.S. Bergtold*, D. Ripplinger, K.R. Brooks and W.S. Downey. “The Future of Agribusiness in the Academy: Perspectives from Researchers, Extension and Teachers.” Selected track session presentation at the Agricultural and Applied Economics Association Annual Meeting, Washington D.C., August 5 – 7, 2018.

Shanoyan, A., *J.S. Bergtold* and T. Griffin. “Agribusiness Research Frontiers: Agricultural Frontiers and Big Data.” Selected track session presentation at the Agricultural and Applied Economics Association Annual Meeting, Washington D.C., August 5 – 7, 2018.

Hoelle, J., S. Perz, *J.S. Bergtold*, J. Vadjunec and D. Lopez-Carr. “Integrating Culture into Land System Science.” Panel Discussion at the 2018 American Geographers Association Annual Meeting, New Orleans, LA, April 10 – 14, 2018.

Caldas, M., G. Granco, M. Daniels, J. Heier-Stamm and *J.S. Bergtold*. “Modeling Agent’s Decision Processes Toward Environmental Policy in an Agricultural Landscape in the Central U.S. Great Plains.” Paper presented at the 2018 American Geographers Association Annual Meeting, New Orleans, LA, April 10 – 14, 2018.

Sanderson, M., *J.S. Bergtold*, M. Caldas, J. Heier Stamm and Steven Ramsey. “Climate Change Beliefs: What is the Role of Values?” Paper presented at the 2018 American Geographers Association Annual Meeting, New Orleans, LA, April 10 – 14, 2018.

Bergtold, J.S., “The Power of Engagement in Teaching: A Viewpoint.” Teaching Tips from AAEEA Winners track session at the 2017 Agricultural and Applied Economic Association Annual Meeting, Chicago, IL, July 30 – August 1, 2017.

Bergtold, J.S., G. Granco, E. Canales, A.C. Sant’Anna and M. Caldas. “Sugarcane Expansion and Indirect Land Use Change in the Brazilian Cerrado.” Track Session Presentation at the 2017 Agricultural and Applied Economic Association Annual Meeting, Chicago, IL, July 30 – August 1, 2017.

Sant’Anna, A.C., *J.S. Bergtold*, M.M. Caldas and G. Granco. “Contracts Negotiated Between Mills, Sugarcane Producers and Landowners in Goias and Mato Grosso do Sul: A Stated Choice Application” Selected presentation for the Brazilian Society of Economists, Administration and Rural Sociology (SOBER) 55th Annual Meeting, Santa Maria, Brazil, July 30 - August 3, 2017.

Chatterjee, S., A. Clarke-Sather, M. Daniels, M. Sanderson, *J.S. Bergtold*, M.M. Caldas and M. Mather. “How Perceptions Can Influence Surface Water Sustainability in the Central Great Plains of Kansas?” Paper presented at the 2017 Association of American Geographers Annual Meeting, Boston, MA, April 5 – 9, 2017.

Bergtold, J.S., “Economic factors affecting adoption and intensification of conservation practices for sustainable agriculture and carbon sequestration.” Presented at the ASABE 2016 Annual International Meeting, Orlando, FL, July 17 – 20, 2016.

Bergtold, J.S., E. Canales and J. Williams. “Adoption and Intensification of Conservation Practices, Risk and Policy.” Presented at the 2014 Risk and Profit Conference, Manhattan, KS, August 21-22, 2014.

Bergtold, J.S., B. Lauer and E. Pruett. “Direct and Indirect Impacts of Agricultural Land-Use Due to Increased Production of Grain-Based Ethanol in Kansas, USA: A County Level Analysis.” Presented at the RCN Conference on Pan-American Biofuels and Bioenergy Sustainability, Recife, Brazil, July 22 – 25, 2014.

Lauer, B. and *Bergtold, J.S.* “Impact of Biofuel Production in Kansas on Corn Production and Irrigation.” Presented at Climate Change and Energy: Basic Science, Impacts and Mitigation, 2013 Kansas NSF EPSCoR Annual Meeting, Lawrence, KS, October 7 – 8, 2013.

Bergtold, J.S. “Farmer Adoption and Intensification of Conservation Practice Adoption in Kansas in Response to Environmental Changes.” Presented at Climate Change and Energy: Basic Science, Impacts and Mitigation, 2013 Kansas NSF EPSCoR Annual Meeting, Lawrence, KS, October 7 – 8, 2013.

Bergtold, J.S. “Cover Crop Economics: Costs, Returns and Opportunities.” Presented at an Organized Symposium, entitled “The Economics of Cover Crops: What Will Drive Adoption”, at the Agricultural & Applied Economics Associations 2012 Annual Meeting, Seattle, Washington, August 12-14.

Bergtold, J.S. “An Exploration of Land Use and Land Cover Change at the County Level in Kansas.” Presented at the Biofuels and Climate Change: Farmers’ Land Use Decisions Research Symposium, Lawrence, KS, August 25, 2011.

Bergtold, J.S., J. Williams and J. Fewell. “Biofuel Contracting for Cellulosic Feedstocks.” Presented at the 2011 Risk and Profit Conference, Manhattan, KS, August 18-19, 2011.

Bergtold, J.S., J. Fewell and J. Williams. “Farmers’ Willingness to Grow Cellulosic Biofuel Feedstocks: Contracting and Pricing.” Presented at the 2011 World Congress on Industrial Biotechnology and Bioprocessing, Toronto, Ontario, Canada, May 8-11, 2011.

Bergtold, J.S., J. Williams and J. Fewell. “Cellulosic Biofuel Feedstock Production and Contracting: An Interactive Survey Building Session.” Presented at the 2010 Risk and Profit Conference, Manhattan, KS, August 19-20, 2010.

Bergtold, J.S. and S. Funk. “A Deeper Look at No-Tillage Practices on the Plains: Is Conservation Tillage Conserving Dollars in Your Pocket?” Presented at the 2009 Risk and Profit Conference, Manhattan, KS, August 20-21, 2009.

Bergtold, J.S. and L. Maddy. “Cover Crop Economics: Costs, Risks and Adoption.” Presented at the 2008 Risk and Profit Conference, Manhattan, KS, August 14-15, 2008.

Arriaga, F., *J.S. Bergtold* and K. Balkcom. “Benefits of Conservation Systems on Water Use and Impact of Conservation Programs.” Presented at the Georgia and Soil Water Conservation Society 2005 Annual Meeting, Fort Gaines, GA, June 16-18, 2005.

Bergtold, J.S. and J. Molnar. “The Conservation Security Program for the Limited Resource Farmer.” Presented at the 62nd Annual Professional Agricultural Workers Conference, Tuskegee, AL, December 5-7, 2005.

Presented information about the economics of conservation tillage production systems for corn, cotton, peanuts and soybeans to farmers, extension personnel, congressional staff, researchers, as well as primary and secondary school audiences at over 22 field days across the Southeast from 2004 to 2007.

POSTER PRESENTATIONS AT PROFESSIONAL MEETINGS

Bergtold, J.S., E. Yeager and A. Nalunga. “Farm Efficiency Under Risk: How Does Risk Influence the Efficiency Frontier?” Selected poster presented at the Agricultural and Applied Economics Association Annual Meeting, Atlanta, GA, July 20 – 22, 2019.

Danelon, A.F., L. de Quieroz, H.F.S. Spolador and *J.S. Bergtold*. “Determinants of Technical Efficiency in the Brazilian Sugarcane Agroindustry.” Selected poster presented at the Agricultural and Applied Economics Association Annual Meeting, Washington D.C., August 5 – 7, 2018.

Bergtold, J.S., M.R. Sanderson, J.L. Heier Stamm, M.M. Caldas, G. Granco, M. Mather, D.A. Haukos, M. Daniels. “Perceived Vulnerability of the Ogallala Aquifer, Wetlands and Aquatic Biodiversity: The Gap Between the Public and Scientific Experts” Poster presented at the 2018 American Geographers Association Annual Meeting, New Orleans, LA, April 10 – 14, 2018.

Bergtold, J.S., M.R. Sanderson, J.L. Heier Stamm, M.M. Caldas, G. Granco, S.M. Ramsey, M. Mather, D.A. Haukos, M. Daniels and A. Smith. “Perceived Vulnerability of the Ogallala Aquifer, Wetlands and Aquatic Biodiversity: The Gap Between the Public and Scientific Experts in Kansas.” Poster presented at the Governor’s Conference on the Future of Water in Kansas, Manhattan, KS, November 8 – 9, 2017.

Bergtold, J.S., E. Yeager, M. Rezac and C. McCollum. “Summer Academy in Sustainable Bionergy: An Assessment of a Multidisciplinary Research Internship Program at the Undergraduate Level.” Poster presented at the 2017 Western Education and Research Activities Committee on Agribusiness (WERA-72) Annual Meeting, Boise Idaho, June 12 – 13, 2017.

Miller, N.J., T.W. Griffin, *J.S. Bergtold*, I.A. Ciampitti, A. Sharda and A. Shanoyan. “Precision Agriculture Technology Adoption Patterns by Kansas Farms.” Poster presented at the 20th Annual Kansas Agricultural Technologies Conference of the Kansas Agricultural Research and Technology Association, Junction City, KS, January 19-20, 2017.

Embaye, W. *J.S. Bergtold*, B. Schwab and A. Shanoyan. “Farm Training and Farm Efficiency in Armenia: A Cluster Analysis.” Poster presented at the 2016 Agricultural and Applied Economics Association Annual Meeting, Boston, MA, July 31 – August 2, 2016.

Miller, N.J., *J.S. Bergtold*, A.M. Featherstone. “Estimating Elasticities of Substitution Using Data Envelopment Analysis.” Poster presented at the 2016 Agricultural and Applied Economics Association Annual Meeting, Boston, MA, July 31 – August 2, 2016.

Chatterjee, S., *J.S. Bergtold*, M.M. Caldas and M.D. Daniels. “Drivers of Small Dam Construction Across Western and Central Kansas – An Analysis of Cropping Intensity and Associated Land-Use Characteristics.” Poster presented at the Governor’s Conference on the Future of Water in Kansas, Manhattan, KS, November 18 – 19, 2015.

Sant’Anna, A.C., *J.S. Bergtold*, G. Granco and M.M. Caldas. “It is All About Location? An Analysis of the Factors that Affect the Location Decision of Sugarcane Processing Mills in Goias and Mato Grosso do Sul, Brazil.” Poster presented at the 2015 Agricultural and Applied Economics Association, San Francisco, CA, July 26 – 28, 2015.

Sant’Anna, A.C., *J.S. Bergtold*, G. Granco, M.M. Caldas and T. Xia. “Ethanol Expansion in Brazil: The Linkages Between Sugarcane Producers and Mills in the Cerrado Region.” Poster presented at the 2015 Energy Symposium, Center for Sustainable Energy, Kansas State University, Manhattan, KS, April 8 – 9, 2015.

Andrango, G., *J.S. Bergtold*, A. Shanoyan, D. Archer and C. Floras. “Farmers’ Willingness to Grow Oilseeds as a Biofuel Feedstock for Jet Fuel: A Latent Class Model Approach.” Poster presented at the 2014 Agricultural and Applied Economics Association Annual Meeting, Minneapolis, MN, July 27 – 29, 2014.

Canales, E., *J.S. Bergtold*, J. Williams and J. Peterson. “Adoption and Intensification of In-Field Conservation Practices Under Risk.” Poster presented at the 2014 Agricultural and Applied Economics Association Annual Meeting, Minneapolis, MN, July 27 – 29, 2014.

Pokarel, K., R.P. Wibowo, F Nti and *J.S. Bergtold*. “Sorghum as an Advanced Biofuel: Price Effect on Wheat, Corn and Soybean Markets.” Poster presented at the RCN Conference on Pan-American Biofuels and Bioenergy Sustainability, Recife, Brazil, July 22 – 25, 2014.

Gong, S. and *J.S. Bergtold*. 2013. “Assessing Conditional Probabilities of Adopting Conservation Practices of Kansas Farmers.” Poster presented at the 2013 Agricultural and Applied Economics Association Annual Meeting, Washington D.C., August 4 – 6, 2013.

Fewell, J.E., *J.S. Bergtold*, and J.R. Williams. 2012. “The Role of Risk Attitudes in Producing Switchgrass as a Biofuel Feedstock at the Farm Level.” Poster presented at: Conference on Biofuels and Climate Change: Farmers Land Use Decisions. University of Kansas August 15-16, 2012.

Fewell, J.E., *J.S. Bergtold*, and J.R. Williams. 2012. "Farmers Willingness to Grow Crops for Cellulosic Bioenergy." Poster presented at: Kansas State University Corporate Sustainable Energy Symposium: Pros and Cons Analysis and Evaluation. May 1-2, 2012.

Fewell, J., *J.S. Bergtold*, and J. Williams. "Farmers' Willingness to Grow Sweet Sorghum for Biofuels: A Stated Choice Approach." Poster presented at Kansas State University Bioenergy Symposium: Mapping Sustainable Bioenergy Opportunities in the central Great Plains--Feedstocks, Land Use, Markets, and Socio-economic Aspects. Manhattan, KS, April 27-28, 2011.

Bergtold, J.S., J. Fewell, K. Dobbs, J.C. Brown, V. Barve, E. Hanley, J. Peterson, D. Earnhart, J. Aistrup, S. Egbert, J.J. Feddema, J. Gibson, L. Kulcsar, J. Nagel, V. Smith, B. Sturm, S. White, M. Caldas, S. Unekis, and D. Peterson. "Crop Acreage Shifts From Bioenergy Production in Kansas." Poster presented at the 2010 Statewide EPSCoR Conference: Energy, Climate and the Future: The Role of Kansas, Lawrence, KS, October 4, 2010.

J.C. Brown, V. Barve, E. Hanley, *J.S. Bergtold*, J. Fewell, K. Dobbs, J. Peterson, D. Earnhart, J. Aistrup, S. Egbert, J.J. Feddema, J. Gibson, L. Kulcsar, J. Nagel, V. Smith, B. Sturm, S. White, M. Caldas, S. Unekis, and D. Peterson. "The Impact of Biofuel Plant Location on Land-Use/Land-Cover Change in Kansas." Poster presented at the 2010 Statewide EPSCoR Conference: Energy, Climate and the Future: The Role of Kansas, Lawrence, KS, October 4, 2010.

Mo, L., *J.S. Bergtold*, A.M. Featherstone. "Examining the Reliability of Logistic Regression Estimation Software." Poster Presented at the 2010 Annual Meeting of the Agricultural and Applied Economics Association, Denver, CO, July 25-27, 2010.

Bergtold, J.S., J. Fewell and P. Duffy. "Farmers' Willingness to Grow Cover Crops: Examining the Economic Factors of Adoption in Alabama." Poster Presented at the 2010 Annual Meeting of the Agricultural and Applied Economics Association, Denver, CO, July 25-27, 2010.

Bergtold, J.S. and E. Onukwugha. "Race Disparities in Hospital Discharge Disposition: The Role of Model Misspecification." Poster presented at the 2010 Annual Research Meeting of Academy Health, Boston, MA, June 27-29, 2010.

Anand, M., *J.S. Bergtold*, P.A. Duffy, D. Hite, F. Arriaga and R.L. Raper. "Farmers' Willingness to Produce Cellulosic Biofuel Feedstocks: Examining the Case for Cover Crops in the Southeast." Poster presented at the 2009 Agricultural and Applied Economics Association Annual Meeting, Milwaukee, WI, July 26-28, 2009.

Anand, M., *J.S. Bergtold*, P.A. Duffy, D. Hite, R.L. Raper and F.J. Arriaga. "Using Cover Crop Residues as a Biofuel Feedstock: Willingness of Farmers to Trade Improved Soil Conservation for Profit." Poster presented at the 30th Southern Conservation Agricultural Systems Conference and 8th Annual Georgia Conservation Production Systems Training Conference, Tifton, Georgia, July 29-31, 2008.

Balkcom, K.S., A.J. Price, F.J. Arriaga, D.P. Delaney and *J.S. Bergtold*. "Cotton Response to Herbicide Technologies, Row Patterns, and Tillage Systems." Poster presented at the ASA-CSSA-SSSA 2007 International Annual Meeting, New Orleans, LA, November 4 – 8, 2007.

Biscaro, A., F.J. Arriaga, K. Balkcom, J. Shaw, E. VanSanten, *J.S. Bergtold* and R.L. Raper. "Impact of Tillage, Manure Applications and Landscape Variability on Soil Physical Properties of a Southeastern Coastal Plain Crop." Poster presented at the ASA-CSSA-SSSA 2007 International Annual Meeting, New Orleans, LA, November 4-8, 2007.

Bergtold, J.S., M. Anand and E. Onukwugha. "Multivariate Bernoulli Regression Models: An Alternative to Specifying Discrete Choice Models with Multiple Simultaneous Choices." Poster presented at the 2007 Annual Meeting of the American Agricultural Economics Association, Portland, OR, July 29-August 1, 2007.

Bergtold, J.S. and T.A. Morton. "Conservation Tillage System Learning Tool: Version 2." Poster presented at the 29th Southern Conservation Agricultural Systems Conference, Quincy, FL, June 25-27, 2007.

Price, A.J., R.L. Raper and *J.S. Bergtold*. "Vertical Simulated Weed Seed Movement Following Various Tillage Practices and Overhead Irrigation Intensities." Poster presented at the 29th Southern Conservation Agricultural Systems Conference, Quincy, FL, June 25-27, 2007.

Biscaro, A., F.J. Arriaga, K.S. Balkcom, J.N. Shaw, E. VanSanten, *J.S. Bergtold*, R.L. Raper and D.W. Reeves. "Assessment of Soil Physical Properties on Different Management Practices and Landscape Positions." Poster presented at the 29th Southern Conservation Agricultural Systems Conference, Quincy, FL, June 25-27, 2007.

Biscaro, A., F.J. Arriaga, K.S. Balkcom, J. Shaw and *J.S. Bergtold*. "Management Practices and Landscape Variability Effects on Selected Soil Physical Properties." Poster presented at the Southern Branch American Society of Agronomy 2007 Annual Meeting, Mobile, AL, February 4-6, 2007.

Price, A.J., *J.S. Bergtold*, K.S. Balkcom and J.R. Jones. "Critical Weed Free Period in Twin-Row Conservation Tillage Corn." Poster presented at the Southern Weed Science Society Annual Meeting, Nashville, TN, January 22-24, 2007.

Price, A.J., *J.S. Bergtold* and R.L. Raper. "Winter Cover Crop Biomass for Biofuel Production: Implications for Soil Coverage and Profitability." Poster presented at the Auburn University Research Symposium, "Energy Solutions for Alabama Natural Resources," Auburn, AL, October 23-24, 2006.

Raper, R.L., E.B. Schwab, *J.S. Bergtold*, A.J. Price, K.S. Balkcom, F.J. Arriaga and T.S. Kornecki. "Maximizing Rye Cover Crop Biomass Production by the Use of Timely Subsoiling." Poster presented at the Auburn University Research Symposium, "Energy Solutions for Alabama Natural Resources," Auburn, AL, October 23-24, 2006.

Price, A.J., F.J. Arriaga, K.S. Balkcom, *J.S. Bergtold*, T.S. Kornecki and R.L. Raper. "Annual Weeds: Alternative Crops for Alternative Fuel." Poster presented at the Auburn University Research Symposium, "Energy Solutions for Alabama Natural Resources," Auburn, AL, October 23-24, 2006.

Balkcom, K.S., F.J. Arriaga, R.L. Raper and *J.S. Bergtold*. "Nitrogen Fertilizer Requirements to Maximize Rye Cover Crop Biomass Production." Poster presented at the Auburn University Research Symposium, "Energy Solutions for Alabama Natural Resources," Auburn, AL, October 23-24, 2006.

Akobundu, E., *J.S. Bergtold* and C.D. Mullins. "The Bernoulli Regression Model Vs. the Logistic Regression Model: Simulation and Regression Analysis." Poster presented at the 28th Annual Meeting for the Society for Medical Decision Making, Boston, MA, October 14-18, 2006.

Anand, M., *J.S. Bergtold*, G. Siri-Prieto, D.W. Reeves, R. Raper and T. Morton. "Net Returns from Peanut Production Systems with Winter Annual Grazing." Poster presented at the 2006 Annual Meeting of the American Agricultural Economics Association, Long Beach, CA, July 23-26, 2006.

Anand, M., *J.S. Bergtold*, G. Siri-Prieto, D.W. Reeves, R. Raper and T. Morton. "Profitability of Production Systems with Cotton and Peanuts Incorporating Winter Annual Grazing." Poster presented at the 28th Annual Southern Conservation Tillage Conference, Amarillo, TX, June 26-28, 2006.

Bergtold, J.S. and T.A. Morton. "A Conservation Tillage Profitability Learning Tool." Poster presented at the 28th Annual Southern Conservation Tillage Conference, Amarillo, TX, June 26-28, 2006.

Jones, J.R., A.J. Price, *J.S. Bergtold*, K.S. Balkcom and M.E. Stoll. "Twin-row Spacing Does Not Affect Weed Free Critical Period in Conservation Corn." Poster presented at the 28th Annual Southern Conservation Tillage Conference, Amarillo, TX, June 26-28, 2006.

Bergtold, J.S., J.A. Terra, D.W. Reeves, J.N. Shaw, K.S. Balkcom and R.L. Raper. “Spatial Variability in Net Returns for Conservation Tillage Systems with Alternative Mixtures of High Residue Cover Crops.” Poster presented at the annual meetings of the American Society of Agronomy, Salt Lake City, UT, November 6-10, 2005.

PUBLISHED TEACHING MATERIALS

Bergtold, J.S. and C.J. McCollum. “Agricultural Economics: Opportunity Costs.” In: *Core Agricultural Economic Principles: A Supplementary Text.* TopHat Marketplace. 2019. Forthcoming.

Bergtold, J.S. and C.J. McCollum. “Agricultural Economics: Marginal Analysis.” In: *Core Agricultural Economic Principles: A Supplementary Text.* TopHat Marketplace. 2019. Forthcoming.

Bergtold, J.S. and C.J. McCollum. “Agricultural Economics: Elasticity.” In: *Core Agricultural Economic Principles: A Supplementary Text.* TopHat Marketplace. 2019. Forthcoming.

Bergtold, J.S. and C.J. McCollum. “Agricultural Economics: Prohibition.” In: *Core Agricultural Economic Principles: A Supplementary Text.* TopHat Marketplace. 2019. Forthcoming.

EXTENSION DOCUMENTS AND REPORTS

Williams, J.R., *J.S. Bergtold*, E. Canales and N.T. Scrimsher. “A Sample of Kansas Farm Management Association Members Use and Effects of Continuous No-Tillage.” Agmanager.info. Production Economics: Production Publications. 2018. Available at: <http://www.agmanager.info/production-economics/production-publications/sample-kansas-farm-management-association-members-use>.

Miller N., T. Griffin, and *J.S. Bergtold*. “Kansas Farms’ Sequence of Information-Intensive Precision Agriculture Technology Adoption in Bundles.” Agmanager.info. Machinery: Precision Agriculture. 2016. Available at: <http://agmanager.info/machinery/precision-agriculture/kansas-farms-sequence-information-intensive-precision-agriculture>.

Barkley, A., J. Tack, L.L. Nalley, *J. Bergtold*, R. Bowden and A. Fritz. “The Impact of Climate, Disease, and Wheat Breeding on Wheat Variety Yields in Kansas, 1985–2011.” Bulletin 665, Kansas State University Agricultural Experiment Station and Cooperative Extension Service, 2013. Available at: <http://www.ksre.ksu.edu/bookstore/pubs/SB665.pdf>.

Golden, B., *J.S. Bergtold*, M. Boland, K. Dhuyvetter, T. Kastens, J. Peterson and S. Staggenborg. “A Comparison of Select Cost-Benefit Studies on the Impacts of H.R. 2454 on the Agricultural Sector of the Economy.” Report prepared for the American Farmland Trust Center for Agriculture in the Environment. Department of Agricultural Economics, Kansas State University. 2009. Available at: http://www.agmanager.info/policy/commodity/Analysis/Comparison_Cost-Benefit_Studies_HR2454_12-10-09.pdf.

Dhuyvetter, K.C. and *J.S. Bergtold*. “Economics of Cover Crops for Residue and Forage Production.” PowerPoint presentation given at the Department of Agronomy Evening Field Tour: Cover Crops in No Till Cropping Systems, Ashland Bottoms Research Farm, Manhattan, KS, September 9, 2009. Available at: <http://www.agronomy.ksu.edu/DesktopModules/ViewDocument.aspx?DocumentID=2596>

Bergtold, J.S., C.D. Monks, K.S. Balkcom, R.L. Raper and F.J. Arriaga. “Agronomic and Economic Impact of Timing for Planting and Defoliation on Cotton Yield, Quality and Profitability.” In: *2008 Cotton Research and Extension Report*, Alabama Agricultural Experiment Station, Research Report No. 33, 2009: pp. 17-19.

Balkcom, K.S., F.J. Arriaga, C.C. Mitchell, D.P. Delaney and *J.S. Bergtold*. “Nitrogen Fertilizer Source, Rates, and Timing for a Cover Crop and Subsequent Cotton Crop.” In: *2007 Cotton Research Report*, K.S. Lawrence, C.D. Monks and D.P. Delaney (eds.), Alabama Agricultural Experiment Station, Research Report No. 32, 2008: pp. 27-28.

Balkcom, K.S., F.J. Arriaga, C.C. Mitchell, D.P. Delaney and *J.S. Bergtold*. “Nitrogen Fertilizer Source, Rates and Timing for a Cover Crop and Subsequent Cotton Crop.” In: *2006 Cotton Research Report*, K.S. Lawrence, C.D. Monks and D.P. Delaney (eds.), Alabama Agricultural Experiment Station, Research Report No. 31, 2007: pp. 27-28.

RESEARCH IN POPULAR MEDIA

M. Daniels, M. Caldas, J. Heier Stamm, M. Sanderson, *J.S. Bergtold*, G. Granco, M. Mather, J. Aistrup and D. Haukos. 2019. “Understanding freshwater resource problems.” *Open Access Government*. Available at: <https://www.openaccessgovernment.org/freshwater-resource-problems/62768/>.

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Williams, J.R. and *J.S. Bergtold*. “Continuous No-Till Crop Production.” Agriculture Today Radio Show, May 24, 2018.

Higgins, T. and *J. Bergtold*. “The Cost of Grazing Corn Stover and Winter Cover Crops.” *Progressive Forager* 3(2018): 44 – 46.

Bergtold, J.S., T. Griffin and N. Miller. “Technology Decisions.” Agriculture Today Radio Show, October 11, 2016.

Lane, J. “Look, up in the Sky! The best of the aviation biofuels slides from ABLC 2015.” *Biofuels Digest*. Online. March 29, 2015. Available at: <http://www.biofuelsdigest.com/bdigest/2015/03/29/look-up-in-the-sky-the-best-of-the-aviation-biofuels-slides-from-ablc-2015/>.

Heikkinen, N. “Could a low-emission perennial grass help the cellulosic ethanol industry?”. *ClimateWire*. March 18, 2015.

Bergtold, J.S. “Farmers’ Willingness to Grow Cellulosic Biofuel Feedstocks,” Agriculture Today Radio Show, March 20, 2012.

Bergtold, J.S. “Bergtold Leads Study to Determine Farmers. Willingness to Grow Crops for Bioenergy Production,” News and Events: Center of Sustainable Energy, Kansas State University, 3(3) (Third Quarter 2011): 1.

J.S. Bergtold, “Costs and Returns from using Cover Crops,” Agriculture Today Radio Show, February 9, 2010.

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Smith, D. “On the Straight and Narrow: Hit the Mark to Ensure Strip-Till Profits.” *Farm Journal*. 132(2008): Cotton Journal 5.

McGinnis, L. “Show Me the Money: Why Economics is Essential for Sustainable Agriculture.” *Agricultural Research Magazine*, 55(2007): 8 -11.

Suszkiv, J. “We Reap What We Sow: Examining Costs/Benefits of Using Corn Stover for Bioenergy.” *Agricultural Research Magazine*, 55(2007): 12-13.

GRANTS

Kansas State University, 2019 Global Food Systems Seed Grant Program, “Agricultural Food Production and the Conservation Reserve Program in the Context of Wildfire: Assessing Rural Perceptions and Land Management in the U.S. Southern Plains” with A. Joslin and M. Caldas. 2019-2020. Amount: \$42,795.

Association of Public and Land Grant Universities, 2017 Innovative Teaching Award, “Innovative Educational Experience Enhancements for Students in Introduction to Agricultural Economics” with R. Jones, C. DeVuyst, J. Schatzer, B. Norwood, B. Schwab and A. Barkley. 2017-2018. Amount: \$3000.

Kansas State Water Seed Grant Program, Interdisciplinary Research Award, “Water Management Across the Rural-Urban Interface: An Interdisciplinary, Integrative Systems Model” with T. Moore and B. Chamberlain. 2016. Amount: \$11,253.

National Science Foundation. “REU Site: Summer Academy in Sustainable BioEnergy.” with M. Rezac. 2014 to 2017. Amount: \$325,800.

College of Agriculture, Kansas State University, Scholarship of Teaching and Learning Mini-Grant. “Assessing the Impact of Group Composition and Social Factors on Student Performance in Team-Based Learning Activities in Higher Education” with A. Shanoyan. 2014 to 2016. Amount: \$7980

National Science Foundation. “CNH: Coupled Climate, Cultivation and Culture in the Great Plains: Understanding Water Supply and Water Quality in a Fragile Landscape” with M.D. Daniels, J.A. Aistrup, M.M. Caldas, A. Sheshukov, M.E. Mather, J. H. Stamm and D. Haukos. 2013 to 2016. Amount: \$1,444,285.

National Science Foundation, “Land Change in Brazil’s Cerrado: Ethanol and Sugar Cane Expansion at the Farm and Industry Scale,” with M. Caldas, T. Xia, J.C. Brown, J. Feddema, D. Peterson, and J. Kastens. 2012 to 2015. Amount: \$524,999

USDA, Agricultural Research Service and Office of Naval Research, “Analysis of Farmer Willingness to Produce Oilseeds for Biofuel in the Western U.S.” 2012 to 2013, Amount: \$220,000.

USDA, National Institute of Food and Agriculture, Specialty Crops Research Initiative, “Magnetoelastic Biosensors for the Detection of *Salmonella* on Tomatoes and Cantaloupes,” with B. Chin, T. Huang, J. Barbaree and J. Weese, 2011-2015, Amount: \$1,543,088.

USDA, National Institute of Food and Agriculture, Agriculture and Food Research Initiative (AFRI) Foundation Grant, “Small and Medium Size Farmers’ Ability and Willingness to Supply Carbon Offsets through Carbon Markets and Conservation Crop Production,” with J. Williams, J. Peterson, M. Langemeier and S. Staggenborg, 2011-2014, Amount: \$499,334.

USDA, National Institute of Food and Agriculture, National Needs Fellowship Grant, “Meeting the Need for M.S. and Ph.D. Scholars Trained in the TESA of Agricultural Management and Economics,” with J. Williams, J. Peterson and M. Langemeier, 2011-2015, Amount: \$236,000.

USDA, National Institute of Food and Agriculture, Specialty Crop Research Initiative, “A SMART Trap System for the Invasive Ambrosia Beetles in Production Nurseries,” with K. Dong-Joo and D. Held at Auburn University, 2010-2014, Amount: \$604,771

Sun Grant Initiative (Oklahoma State University and Department of Transportation), South Central Region, “Farmers’ Willingness to Produce Cellulosic Biofuel Feedstocks Under Alternative Contractual, Pricing and Harvesting Arrangements,” with J. Williams, M. Langemeier, R. Nelson, S. Staggenborg and F. Epplin, 2009-2012, Amount: \$233,000.

National Science Foundation, EPSCoR through University of Kansas Center for Research, Inc (with KTEC and KBA), “Farmers’ Decisions to Grow Crops for Fuel.” with J. Peterson, L. Kulcsar and T. Selfa, 2009-2014, Amount: \$3,253,090 (\$973,853 K-State portion).

Cotton Incorporated, “Conservation Tillage Systems: Production, Profitability and Stewardship,” with J. Touchton, 2009, Amount: \$2000

USDA, Agricultural Research Service, “Conservation Systems Research for Improving Producer Profitability,” 2008-2009, Amount: \$34,200.

Alabama Farmers Federation, Alabama Soybean Producers, “Conservation Tillage Systems: Production, Profitability and Stewardship,” with D. Monks, R. Raper, F. Arriaga, K. Balkcom, T. Kornecki and A. Price, 2008, Amount: \$6000.

Alabama Farmers Federation, Alabama Wheat and Feed Grain Committee, “Conservation Tillage Systems: Production, Profitability and Stewardship,” with D. Monks, R. Raper, F. Arriaga, K. Balkcom, T. Kornecki and A. Price, 2008, Amount: \$3000.

Cotton Incorporated, “Agronomic and Economic Impact of Timing for Planting and Defoliation in Conservation Cotton Production Systems on Cotton Yield, Quality and Profitability,” with J. Touchton, D. Monks, K. Balkcom, R. Raper, F. Arriaga and T. Kornecki, 2007, Amount: \$5000.

Alabama Farmers Federation, Alabama Cotton Commission, “Effect of Common Row Spacing and Controlled Traffic within a Corn-Cotton Rotation on Soil Properties and Crop Growth in Alabama,” with J. Touchton, R. Raper, K. Balkcom, F. Arriaga, T. Kornecki and A. Price, 2007, Amount: \$5000.

Alabama Farmers Federation, Alabama Wheat and Feed Grain Committee, “Effect of Common Row Spacing and Controlled Traffic within a Corn-Cotton Rotation on Soil Properties and Crop Growth in Alabama,” with J. Touchton, R. Raper, K. Balkcom, F. Arriaga, T. Kornecki and A. Price, 2007, Amount: \$5000.

Alabama Farmers Federation, Alabama Wheat and Feed Grain Committee, “Corn Residue Removal for Biofuel Production: Implications for Soil Quality, N Fertilization, Weed Emergence, Productivity, and Profitability,” with J. Touchton, F. Arriaga, K. Balkcom, D. Delaney and A. Price, 2007, Amount: \$9750.

USDA, Natural Resource Conservation Service, Conservation Innovation Grant, “Conservation-Tillage Vegetable Production Utilizing High Residue Cover Crops: Demonstrating Proven Technologies that Increase Soil Quality and Promote Farm Profitability in Alabama,” with J. Kemble, A. Price, T. Kornecki, K. Wynne and Randle Farms, Inc., 2007-2009 Amount: \$37,319.

Alabama Farmers Federation. Alabama Wheat and Feed Grain Committee, “Profitability of Conservation Tillage Systems On-Farm for Wheat and Feed Grains in Alabama,” with J. Adrian and H. Pepper, 2006-2007, Amount: \$10,000.

Alabama Farmers Federation, Alabama Cotton Commission, “Nitrogen Fertilizer Source, Rates, and Timing for a Cover Crop and Subsequent Cotton Crop,” with K. Balkcom, F. Arriaga, C. Mitchell, D. Delaney, 2006-2007, Amount: \$15,000.

Alabama Farmers Federation, Alabama Cotton Commission, “Effect of Irrigation Scheduling and Tillage Systems on Cotton Production,” with F. Arriaga, J. Fulton, S. Dougherty and K. Balkcom, 2006-2007, Amount: \$16,000.

USDA, Natural Resource Conservation Service, Conservation Innovation Grant, “Demonstration and Development of No-Till Vegetable Production Systems to Reduce Soil Erosion, Improve Soil Productivity and Quality, and Promote Farm Profitability for Small Limited Resource Farming Operations in Mississippi,” with T. Kornecki and Indian Springs Farmers Association, Inc., 2006-2008 Amount: \$28,500.