

JON T. BIERMACHER

CURRICULUM VITA

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Principle Research Interests:

Research, extension and outreach interests focuses on the economics of forage-based beef production and management systems; precision agriculture technologies; forage and crop nutrient and pesticide management; and bioenergy, biomass and feedstock development systems.

Education:

Oklahoma State University
Doctor of Philosophy, Agricultural and Applied Economics, 2005
Adviser: Dr. Francis M. Epplin
Three Essay Dissertation: "Economic Feasibility of Site-Specific Optical Reflectance Technology as an Alternative for Managing Nitrogen Application to Winter Wheat."

Southern Illinois University Carbondale
Master of Science, Agricultural Economics, 2000
Adviser: Dr. Roger J. Beck
Thesis: "The Expected Regional Economic Effects from the Widespread Adoption of Biotechnologically Advanced Corn."

Southern Illinois University Carbondale
Bachelor of Science, Agribusiness Economics, 1997

Saint Petersburg State Agrarian University, Pushkin, Russia
International Agricultural Exchange Program, Summer Semester, 1996.

John A. Logan College
Associate of Arts and Science, Business Economics, 1994

Professional Experience:

- 10/10- Associate Professor and Agricultural Economist, the Samuel Roberts Noble Foundation, Inc (Supervisor, John Blanton, Jr.).
- 9/09- Adjunct Associate Professor, Graduate School Faculty and Department of Agricultural Economics, Oklahoma State University.
- 8/05-10/10 Assistant Professor and Agricultural Economist, the Samuel Roberts Noble Foundation, Inc (Supervisor, John Blanton, Jr.).
- 1/05-8/05 Research and Teaching Assistant, Department of Agriculture Economics, Oklahoma State University (Supervisor, B. Wade Brorsen).
- 8/04-1/05 Research Assistant, Department of Biosystems and Agricultural Engineering, Oklahoma State University (Supervisor, John B. Solie).
- 8/03-12/03 Teaching Assistant, Mathematical Economics, Department of Agricultural Economics, Oklahoma State University (Supervisor, Francis M. Epplin).
- 8/00-5/03 Research Assistant, Department of Agricultural Economics, Oklahoma State University (Supervisor, Francis M. Epplin).
- 8/96-12/99 Teaching Assistant, Fall Semesters, ABE 350 Farm Management, Department of Agribusiness Economics, Southern Illinois University Carbondale (Supervisor, Steve E. Kraft).
- 1/97-5/00 Teaching Assistant, Spring Semesters, ABE 419 Applications of Information Technology to Agribusiness, Department of Agribusiness Economics, Southern Illinois University Carbondale (Supervisor, Philip Eberle).
- 1/97-5/00 Teaching Assistant, Spring Semesters, ABE 451 Farm Real Estate Appraisals, Department of Agribusiness Economics, Southern Illinois University Carbondale (Supervisor, Philip Eberle).

Referred Publications (34):

Haque, M., **J.T. Biermacher**, M.K. Kering and J.A. Guretzky. "Economic Evaluation of Switchgrass Feedstock Production Systems Tested in Potassium-Deficient Soils" *BioEnergy Research*. Published online: DOI 10.1007/s12155-013-9368-6

Kering M.K., J.A. Guretzky, S.M. Interrante, T.J. Butler, **J.T. Biermacher**, and J. Mosali. "Harvest Timing Affects Switchgrass Production, Forage Nutritive Value, and Nutrient Removal." *Crop Science* 53(2013):1809–1817.

Biermacher, J.T., M. Haque, M.K. Kering, J.A. Guretzky. "Economic Costs of Soil Nutrient Mining and Benefits from Plant Nutrient Recycling: The Case of Switchgrass Produced for Bioenergy Feedstock." *Proceedings of the 19th International Farm Management Association's Congress*, 2013: 31-38.

Amadou, Z., K. Curry Raper, J.T. Biermacher, B.J. Cook, and C.E. Ward. "Alternative Retention and Marketing Strategies for Cull Beef Cows." *Journal of the American Society of Farm Managers and Rural Appraisers* 76(2013): 248-267.

Mosali, J., **J.T. Biermacher**, B. Cook, and J. Blanton, Jr. "Bioenergy for Cattle and Cars: A Switchgrass Production System that Engages Cattle Producers." *Agronomy Journal* 105,4(2013): 960-966.

Haque, M., **J.T. Biermacher**, M.K. Kering and J.A. Guretzky. "Economics of Alternative Fertilizer Supply Systems for Switchgrass Produced in Phosphorus Deficient Soils for Bioenergy Feedstock." *BioEnergy Research* 6,1(2013): 351-357.

Kering, M.K., T.J. Butler, **J.T. Biermacher**, J. Mosali, and J.A. Guretzky. "Effect of Potassium and Nitrogen Fertilizer on Switchgrass Productivity and Nutrient Removal Rates Under Two Harvest Systems on a Low Potassium Soil." *BioEnergy Research*. 6,1(2013): 329-335.

Beck, P., M. Haque, **J.T. Biermacher**, A.A. Hopkins, D.S. Hubbell, and T. Hess. "Impact of Clover Additions to Toxic and Nontoxic Endophyte-Infected Tall Fescue on Animal Performance and Economics of Stocker Programs." *Professional Animal Scientist* 28(2012): 433-442.

Biermacher, J.T., R.R. Reuter, M.K. Kering, J.K. Rogers, J. Blanton, Jr., J.A. Guretzky, and T.J. Butler. "Economic Potential of Substituting Legumes for Nitrogen in Bermudagrass Pastures." *Crop Science* 52(2012): 1923-1930.

Butler, T.J., **J.T. Biermacher**, M.K. Kering, and S.M. Interrante. "Production and Economics of Steers Grazing Rye-Annual Ryegrass with Annual Legumes or Fertilized with Nitrogen." *Crop Science*. 52(2012): 1931-1939.

Interrante, S.M., **J.T. Biermacher**, M.K. Kering, and T.J. Butler. "Production and Economics of Steers Grazing Tall Fescue with Annual Legumes or Fertilized with Nitrogen." *Crop Science* 52(2012): 1940-1948.

Butler, T.J., **J.T. Biermacher**, S.M. Interrante, M.K. Sledge, A.A. Hopkins, and J.H. Bouton. "Production and Economics of Grazing Alfalfa in the Southern Great Plains." *Crop Science* 52(2012): 1424-1429.

Funderburg, E., **J.T. Biermacher**, D.O. Alkire, C. Moffet, and J. Mosali. "Effects of Five Nitrogen Rates on Crude Protein and Total Digestible Nutrient Content of Nine Warm Season Perennial Introduced Grass Cultivars in South Central Oklahoma." *Forage and Grazinglands* (2012) doi:10.1094/FG-2012-0517-01-RS.

Funderburg, E.R., **J.T., Biermacher**, C.A. Moffet, M. Haque, and J. Mosali. 2011. "Effects of Applying Nitrogen on Yield of Introduced Perennial Summer Grass Cultivars in Oklahoma." Online. *Forage and Grazinglands* doi:10.1094/FG-2011-1223-01-RS.

Tumusiime, E., B.W. Brorsen, J. Mosali, J. Johnson, J. Locke, and **J.T. Biermacher**. “Determining the Optimal Level of Nitrogen Fertilizer using Random Parameter Models.” *Journal of Agricultural and Applied Economics* 43,4(2011): 541-552.

Reuter, R.R., M.D. Childs, K.E. Belk, T.J. Machado, and **J.T. Biermacher**. “Effects of USDA Feeder Cattle Frame and Muscle Grades on Stocker and Feeder Cattle Performance and Profitability.” *Professional Animal Scientist* 27(2011): 535-534.

Funderburg, E.R., J.M. Locke and **J.T. Biermacher**. “Evaluation of Herbicides and Mowing on Catbriar (*Smilax bona-nox*) in Oklahoma Rangeland.” *Weed Technology* 25(2011): 626-630.

DeVuyst, E.A., **J.T. Biermacher**, J.L. Lusk, J. Blanton, Jr., S. Swigert, B.J. Cook., and R. Reuter. “Relationship Between Fed Cattle Traits and Igenity Panel Scores.” *Journal of Animal Science* 89(2011): 1260-1269.

Biermacher, J.T., R. Reuter, T.J. Butler, M.K. Kering, J.D. Springer, J.K. Rogers, J.R. Blanton, Jr., and J.A. Guretzky. “Economic Potential of Substituting Legumes for Nitrogen in Warm Season Pastures Used for Stocker Cattle Grazing.” Proceedings of the 18th International Farm Management Association’s Congress, 2011: 362-369.

Islam, M.A., **J.T. Biermacher**, S.M. Interrante, R.R. Reuter, A.A. Hopkins, B.J. Cook, J.H. Bouton and T.J. Butler. “Production and Economics of Grazing Rye—Annual Ryegrass and Tall Fescue Systems” *Agronomy Journal* 103,2(2011): 558-564.

Tumusiime, E., B.W. Brorsen, J. Mosali, and **J.T. Biermacher**. “How Much Does Considering the Cost of Lime Affect the Recommended Level of Nitrogen?” *Agronomy Journal* 103,2(2011): 404-412.

Funderburg, E., and **J.T. Biermacher**. “Effects of Fertilization and Herbicide Application on Yield, Quality and Profitability of Native Grass Production.” Online. *Forage and Grazinglands* doi: 10.1094/FG-2010-1015-01-RS (2010).

Guretzky, J.A., **J.T. Biermacher**, B.J. Cook, M.K. Kering, and J. Mosali. “Switchgrass for Forage and Bioenergy: Harvest and Nitrogen Rate Effects on Biomass Yields and Nutrient Composition.” *Plant Soil* 339,1(2010): 69-81.

Guretzky, J.A., M. Kering, J. Mosali, E. Funderburg, **J.T. Biermacher**. “Fertilizer Rate Effects on Forage Yield Stability and Nutrient Uptake of Midland Bermudagrass.” *Journal of Plant Nutrition* 33:12(2010): 1819-1834.

Kering, M.K., **J.T. Biermacher**, B.J. Cook, and J.A. Guretzky. “Switchgrass for Forage and Bioenergy: II. Effects of P and K fertilization.” Proceedings of the International Plant Nutrition Colloquium XVI, Paper 1318, 2009: 1-10.

Kering, M.K., **J.T. Biermacher**, B.J. Cook, and J.A. Guretzky. "Switchgrass for Forage and Bioenergy: I. Energy of Nitrogen Rate and Harvest System." Proceedings of the International Plant Nutrition Colloquium XVI, Paper 1158, 2009: 1-9.

Biermacher, J.T., C.R. Coffey, B.J. Cook, D. Childs, J. Johnson, and D. Ford. "Economic Advantage of No-Tilling Winter Forages for Stocker Grazing." *Journal of the American Society of Farm Managers and Rural Appraisers* 72(2009): 27-36.

Biermacher, J.T., B.W. Brorsen, F.M. Epplin, J.B. Solie, and W.R. Raun. "Economic Potential for Precision Agriculture Based on Plant Sensing Technology." *Agricultural Economics* 40(2009): 397-407.

Biermacher, J.T., F.M. Epplin, B.W. Brorsen, J.B. Solie, and W.R. Raun. "Nitrogen Fertilization of Growing Wheat Based upon Site-Specific Optical Sensing." *Precision Agriculture* 10-3(2009): 213-220.

Biermacher, J.T., S. Upson, D. Miller, and D. Pittman. "Economic Challenges of Small Scale Vegetable Production and Retailing in Rural Communities: An Example from Rural Oklahoma." *Journal of Food Distribution Research* 38-3(2007): 1-13.

Cook, B., **J.T. Biermacher**, and D. Childs. "Value of Pregnancy Testing Spring Calving Beef Cows." Proceedings of the 16th International Farm Management Association's Congress. 2007: 276-287.

Biermacher, J.T., B.W. Brorsen, F.M. Epplin, J.B. Solie, and W.R. Raun. "What is the potential for Precision Agriculture Based on Plant Sensing?" Proceedings of the 16th International Farm Management Association Congress. 2007: 338-347.

Biermacher, J.T., F.M. Epplin, B.W. Brorsen, J.B. Solie and W.R. Raun. "Maximum Value of a Precise Nitrogen Application System for Wheat." *Precision Agriculture* 7-3(2006): 193-204.

Biermacher, J.T., F.M. Epplin, and K.R. Keim. "Cropping Systems for the Southern Great Plains of the United States as Influenced by Federal Policy." *Journal of Renewable Agriculture and Food Systems* 21-2(2006): 71-77.

Publications in Press (2):

Haque, M., F.M. Epplin, **J.T. Biermacher**, R. Holcomb, and P. Kenkel. "Marginal Cost of Delivering Switchgrass Feedstock and Producing Cellulosic Ethanol at Multiple Biorefineries" *Bioenergy Research* (In press, 2013).

Amadou, Z., K. Curry-Raper, **J.T. Biermacher**, B.J. Cook and C.E Ward. "Influence of Beginning Body Conditioning Scores on Net Returns from Feeding Cull Cows." *Journal of Agricultural and Applied Economics* (in press, 2013).

Publications in Review (1):

Biermacher, J.T., J. Donnell, and S. Upson. “Economic Potential of Using High Tunnel Hoop Houses to Produce Fruits and Vegetables.” *HortScience*. (In Review, 2013).

Extension and Outreach Publications (30):

Raper, Kellie Curry and **J.T. Biermacher**. “Looking Toward Fall: Alternative Management of Cull Beef Cows.” *Master Cattleman Quarterly*, Oklahoma Cooperative Extension Service, Volume 19, Page 6, June 2013.

Gaskamp, J., and **J.T. Biermacher**. “Thinking Outside the Boxtrap.” *Ag News and Views*. Noble Foundation Press, July, 2013.

Biermacher, J.T., J.K. Rogers, and R. Reuter. “Do High Nitrogen Prices Justify Feeding Soybean Hulls?” *Ag News and Views*. Noble Foundation Press, January, 2013.

Nichols, B., J.K. Rogers, **J.T. Biermacher**, and J. Mosali. “Switchgrass as a Dual Purpose Grazing and Bioenergy Crop.” Fact Sheet No. NF-AS-12-03. Noble Foundation Press, December, 2012.

Biermacher, J.T., and E.R. Funderburg. “Hay Choices for Cattle Producers and Equine Enthusiasts.” *Ag News and Views*. Noble Foundation Press, August, 2012.

Donnell, J., **J.T. Biermacher**, and S. Upson. “The Economics of Spinach and Tomatoes Grown in Hoop Houses.” Fact Sheet No. NF-AE-12-02. Noble Foundation Press, May, 2012.

Donnell, J., **J.T. Biermacher**, and S. Upson. “The Economics of Strawberries and Squash Grown in Hoop Houses.” Fact Sheet No. NF-AE-12-01. Noble Foundation Press, May, 2012.

Funderburg, E.R., and **J.T. Biermacher**. “Effects of Fertilizer on Yield and Profitability of Native Grass.” Fact Sheet No. NF-SO-12-02. Noble Foundation Press, February, 2012.

Funderburg, E.R., **J.T. Biermacher**, C. Moffett, M. Haque, and J. Mosali. “Effect of Nitrogen Rate on Yield of Nine Warm-season Introduced Perennial Forage Varieties.” Fact Sheet No. NS-SO-12-01. Noble Foundation Press, January, 2012.

Biermacher, J.T., T.J. Butler, S. Interrante, and J.H. Bouton. “The Economic Potential of Grazing-Tolerant Alfalfa.” *Ag News and Views*. Noble Foundation Press, February, 2012.

Biermacher, J.T., M. Haque, and M.K. Kering. “Soil Nutrient Mining and Switchgrass Management.” *Ag News and Views*. Noble Foundation Press, June, 2011.

Biermacher, J.T., T.J. Butler, and R. Reuter. “What is the Potential for Grazing Novel Tall Fescue?” *Ag News and Views*. Noble Foundation Press, December, 2010.

Raper, K., Z. Amadou, C.E. Ward, B.J. Cook, and **J.T. Biermacher**. “Culling Time: Strategies for Adding Value to Cull Cows.” *Master Cattleman Quarterly*, Oklahoma Cooperative Extension Service, Volume 8, Page 2, September 2010.

Amadou, Z., K. Curry Raper, **J.T. Biermacher**, B.J. Cook and C.E. Ward. “Adding Value to Cull Cows: Part II.” Oklahoma Cooperative Extension Service, Extension fact sheet AGEC-725, August 2010.

Biermacher, J.T., R. Reuter, and M. Kering. “The Economics of N-fixing Legumes in Bermudagrass Pastures.” *Ag News and Views*. Noble Foundation Press, May, 2010.

Amadou, Z., K. Curry Raper, **J.T. Biermacher**, B.J. Cook, and C.E. Ward. “Adding Value to Cull Cows.” Oklahoma Cooperative Extension Service, Extension fact sheet AGEC-619, August 2009.

Amadou, Z., C. Ward, K. Curry Raper, B.J. Cook, and **J.T. Biermacher**. “Managing Cull Cows for Additional Value.” *Master Cattleman Quarterly* 3(2009): 3-4.

Oswald, D., and **J.T. Biermacher**. “Implications of Proposed Cap-and-Trade Legislation for Landowners.” *Ag News and Views*, Noble Foundation Press, June, 2009.

Springer, J.D., **J.T. Biermacher**, D.O. Alkire and M.D. Childs. “Premiums Being Offered for Naturally Produced Cattle.” *Ag News and Views*, Noble Foundation Press, May, 2009.

Biermacher, J.T., and J. Blanton. “Healthcare Study Has Implications for Livestock Industry.” *Ag News and Views*, Noble Foundation Press, April, 2009.

Biermacher, J.T., J. Blanton, R. Reuter, and J.D. Springer. “Commingle and Marketing Value-Added Cattle.” *Ag News and Views*, Noble Foundation Press, March, 2009.

Kenkel, P., and **J.T. Biermacher**. “Feedstocks Workshop Report: Policy Development and Analysis Workgroup Report.” Sun Grant Initiative, South Central Region, Tulsa, Oklahoma, September 11-13, 2007.

Biermacher, J.T., B.J. Cook, and J.A. Guretzky. “Establishing Switchgrass for Grazing and Energy.” *Ag News and Views*, Noble Foundation Press, April, 2008.

Biermacher, J.T., B.J. Cook, and J.A. Guretzky. “Establishing Switchgrass for Grazing and Energy.” *Midwest Cattleman*, April 24, 2008:9-10.

Biermacher, J.T., and C.R. Coffey. “Does Conservation Pay for Winter Forage Production?” *Ag News and Views*, Noble Foundation Press, October, 2008.

Gee, K., and **J.T. Biermacher**. “Prescribed Burning—What is the Cost?” *Ag News and Views*, Noble Foundation Press, July, 2007.

Biermacher, J.T. “Cross-Divisional Projects Benefit Producers and Researchers.” *Ag News and Views*, Noble Foundation Press, May, 2007.

Biermacher, J.T. “Agricultural Economic Activity in Noble's Service Area Driven By Forage-Based Beef Production.” *Ag News and Views*, Noble Foundation Press, June, 2006.

Biermacher, J.T. “What is the Value of Pregnancy Testing Beef Cows?” Noble Foundation Press, *Ag News and View*, November, 2006.

Published Abstracts and Proceedings (27):

Biermacher, J.T., M. Haque, M.K. Kering, J.A. Guretzky. “Economic Costs of Soil Nutrient Mining and Benefits from Plant Nutrient Recycling: The Case of Switchgrass Produced for Bioenergy Feedstock.” Proceedings of the 19th International Farm Management Association's Congress, 2013: 31-38.

Amadou, Z., K. Raper, C.E. Ward, **J.T. Biermacher**, and B.J. Cook. “Determining Key Factors of Influence on the Profitability of Cull Cows.” *Journal of Agricultural and Applied Economics* 45,5(2011): 460.

Biermacher, J.T., J.D. Donnell and S.D. Upson. “Economic Potential of Using High Tunnel Hoop Houses to Produce Fruit and Vegetable Crops.” *HortScience* 46,9 (2011):S69. (Abstr.) <http://hortsci.ashspublications.org/content/suppl/2011/10/31/46.9.DC2/2011HS-Abstract-Supplement.pdf>

Donnell, J., **J.T. Biermacher**, and S. Upson. “Economic Potential of Using High Tunnel Hoop Houses to Produce Fruits and Vegetables.” *Journal of Agricultural and Applied Economics* 43,3(2011): 468.

Nichols, B.M., C.A. Moffet, **J.T. Biermacher**, T.J. Butler, R.R. Reuter, J.K. Rogers , J.A. Guretzky and J.R. Blanton Jr. “Bermudagrass-legume Forage Systems for Summer Stockers.” *Journal of Animal Science* 89(Suppl. 1, 2011):172.

Biermacher' J.T., R. Reuter, T.J. Butler, M.K. Kering, J.D. Springer, J.K. Rogers, J.R. Blanton, Jr., and J.A. Guretzky. “Economic Potential of Substituting Legumes for Nitrogen in Warm Season Pastures Used for Stocker Cattle Grazing.” Proceedings of the 18th International Farm Management Association's Congress, 2011: 362-369.

Biermacher, J.T., J. Donnell, and S. Upson. “Economic Potential of Using High Tunnel Hoop Houses to Produce Fruits and Vegetables.” Proceedings of the 30th Annual Horticulture Industry Show. February 12-13, 2011: 35.

Reuter, R.R., J.K. Rogers, J.D. Springer, B.C. Flatt, and **J.T. Biermacher.** “Intensive Production System Using Lightweight Stocker Cattle as an Alternative to Traditional Systems.” *Journal of Animal Science* (Abstr). ACCEPTED. 2011.

Kering, M., **J.T. Biermacher**, R. Reuter, T.J. Butler, J.D. Springer, J.K. Rogers, J. Blanton, Jr., J.H. Bouton, and J.A. Guretzky. "Economic Potential for Substituting Synthetic Nitrogen in Warm Season Grasses Used for Stocker Cattle Grazing." *Journal of Applied Agricultural Economics* 42-3(2010): 582.

Pittman, J.J., J.T. Biermacher, R.R. Reuter, and T.J. Butler. "Evaluation of Pre- and Post-Emergent Herbicides to Seven Warm-season Legumes." In: Proceedings American Forage and Grassland Council Conference – Vol. 19 (2010).

Tumusiime, E., B.W. Brorsen, **J.T. Biermacher**, J. Mosali, J. Johnson, and J. Locke. "Determining Optimal Levels of Nitrogen Fertilizer Using Random Parameter Models." *Journal of Agricultural and Applied Economics* 42-3(2010): 580.

Reuter, R. R., **J.T. Biermacher**, J. K. Rogers, T. J. Butler, M. K. Kering, J. R. Blanton, and J. A. Guretzky. 2010. "Potential of Legumes as Substitutes for Nitrogen Fertilizer in Summer Stocker Grazing Systems." *Journal of Animal Science*. (in press).

Amadou, Z., **J.T. Biermacher**, K. Raper-Curry, B.J. Cook, and C.E. Ward. "Alternative Management Strategies for Adding Value to Cull Cows." Proceedings of the 4th National Grazing Lands Conference, July 2010: 59-63.

Guretzky, J.A., R. Reuter, **J.T. Biermacher**, J.D. Springer, T.J. Butler, H. Aljoe, J. Rogers, and B.J. Cook. "Economic Potential of Stocker Cattle Grazing Legume-Interseeded Bermudagrass." *Journal of Animal Science* 87(2009): 573.

Biermacher, J.T., R. Reuter, A.M. Islam, A. Hopkins, C. Young, B.J. Cook, J. Bouton, and T. Butler. "Value of Tall Fescue Infected with a Novel Endophyte in the Winter Forage Stocker Grazing Enterprise." *Journal of Animal Science* 87(2009): 573.

Oswald, D., and **J.T. Biermacher**. "Implications of Proposed Cap-and-Trade Legislation for Landowners in South Central Oklahoma." Proceedings of the 79th Annual Oklahoma Pecan Growers Association's Annual Meeting, Oklahoma City, OK, June 1-3, 2009.

Guretzky, J.A., **J.T. Biermacher**, R. Reuter, J.R. Blanton Jr., J. Mosali, M. Kering, and B.J. Cook. "Utilization of Switchgrass in a Dual Purpose Stocker Cattle and Bioenergy System." *Journal of Animal Science* 87(2009): 573.

Springer, J.D., **J.T. Biermacher**, M.D. Childs, D.O. Alkire, and Brandon Grooms. "Attributes Preferred and Premiums Offered for Naturally Produced Cattle." *Journal of Agricultural and Applied Economics* 41-2(2009):658.

Islam, M.A., T.J. Butler, A.A. Hopkins, **J.T. Biermacher**, B.J. Cook, and J.H. Bouton. "Comparison of Cereal Rye/Annual Ryegrass and Tall Fescue Stocker Grazing Systems in the Southern Great Plains of USA." Proceedings of the 5th International Crop Science Congress. 2008: 356-360.

Reuter, R., M.D. Childs, and **J.T. Biermacher**, and C.E. Ward. "Effects of Frame Size and Muscle Score on Stocker and Feeder Cattle Profitability." *Journal of Agricultural and Resource Economics* 33-2(2008): 498.

Whitley, E.M., R.R. Reuter, and **J.T. Biermacher**. "Relative Value of Five Byproducts as Supplements to Stocker Cattle." *Journal of Animal Science* 86(2008): 23.

Biermacher, J.T., A.M. Islam, T. Butler, A. Hopkins, B.J. Cook, R. Reuter and J. Bouton. "Value of Tall Fescue Infected with a Novel Endophyte in the Winter Forage Stocker Grazing Enterprise." *Journal of Agricultural and Resource Economics* 33-3(2008): 494.

Biermacher, J.T., C. Coffey, B. Cook, and D. Ford. "Economic Potential of Conservation Farming Annual Winter Forages for the Stocker Cattle Grazing Enterprise." *Journal of Agricultural and Applied Economics* 40-2(2008):726.

Hales, K., G.W. Horn, E. Whitley, M.D. Childs, and **J.T. Biermacher**. "The Value of Soybean Hull Supplementation in Winter Rye Stocker Operations." *Journal of Agriculture and Resource Economics* 32-3(2007):560.

Biermacher, J.T., S. Upson, D. Miller, and D. Pittman. "Economic Feasibility of Small Scale Vegetable Production and Retailing: The Case of Rural Oklahoma." *Journal of Agriculture and Applied Economics* 39-2(2007):419.

Cook, B., **J.T. Biermacher**, and D. Childs. "Value of Pregnancy Testing Beef Cows." *Journal of Agriculture and Applied Economics* 39-2(2007):415.

Biermacher, J.T., F.M. Epplin, J.B. Solie, B.W. Brorsen, and W.R. Raun. "Maximum Value of a Precise Nitrogen Application System for Wheat." *Journal of Agriculture and Applied Economics* 38-3(2006):661.

Biermacher, J.T., F.M. Epplin, J.B. Solie, B.W. Brorsen, W.R. Raun. "Managing Nitrogen for Winter Wheat Using Site-Specific Optical Sensing." *Journal of Agriculture and Applied Economics* 36-2(2004):512.

Biermacher, J.T., F.M. Epplin, and K.R. Keim. "FAIR, PostFAIR, and NoFAIR: A Comparison of Cropping Alternatives for the Southern Great Plains." *Journal of Agriculture and Applied Economics* 33-2(2003):435.

Thesis and Dissertation:

Biermacher, J.T. "Economic Feasibility of Site-Specific Optical Reflectance Technology as an Alternative for Managing Nitrogen Application to Winter Wheat." Ph.D. Dissertation (3 independent essays). Oklahoma State University, 2005.

Biermacher, J.T. “The Expected Regional Economic Effects from the Widespread Adoption of Biotechnologically Advanced Corn.” M.S. Thesis. Southern Illinois University Carbondale, 2000.

Professional and Scientific Presentations (73):

Biermacher, J.T. “Agricultural Economics and Informed Decision-making Related to Livestock and Forage-based Beef Production.” Invited Speaker; presentation prepared for members of the Livestock Gentec 4th Annual Conference. Edmonton, Alberta, CA, October 22, 2013.

Biermacher, J.T., M. Haque, M.K. Kering, J.A. Guretzky. “Economic Costs of Soil Nutrient Mining and Benefits from Plant Nutrient Recycling: The Case of Switchgrass Produced for Bioenergy Feedstock.” Invited paper prepared for presentation to members of the 19th International Farm Management Association’s Congress, Warsaw, Poland, July 21-26, 2013.

Haque, M., **J.T. Biermacher**, M.K. Kering and J.A. Guretzky. “Economic Evaluation of Switchgrass Feedstock Production Systems Tested in Potassium-Deficient Soils” Selected paper prepared for presentation at the Western Agricultural Economics Association’s Annual Meeting, June 24-28, Monterey, California, June 24-28, 2013.

Springer, J.D., M. Haque, and **J.T. Biermacher**. “Alfalfa Economics.” Prepared for Presentation to Faculty and Staff of the Samuel Roberts Noble Foundation, Inc., Ardmore, Oklahoma, July 10, 2013.

Biermacher, J.T., M. Haque, M.K. Kering, J.A. Guretzky. “Economic Costs of Soil Nutrient Mining and Benefits from Plant Nutrient Recycling: The Case of Switchgrass Produced for Bioenergy Feedstock.” Selected paper prepared for presentation at the 19th International Farm Management Association’s Congress, Warsaw, Poland, July 21-26, 2013.

Biermacher, J.T. “Economic Evaluation of Switchgrass Feedstock Production Systems Tested in Potassium-Deficient Soils.” Presentation presented to Ceres, Inc. research staff and administration, College Station, TX, February 26, 2013.

Biermacher, J.T. “Economic Potential of Using Switchgrass Pastures to Produce Beef Gain and Bioenergy Feedstock.” Presentation presented to Ceres, Inc. research staff and administration, College Station, TX, February 26, 2013.

Biermacher, J.T. “Economics Research at the Noble Foundation.” Invited presentation prepared for the Noble Foundation’s Research Faculty Expose, Ardmore, OK, February 19-20, 2013.

Biermacher, J.T. “Research Programs at the Samuel Roberts Noble Foundation: Generating Useful Information for Farmers, Ranchers and Land Stewards in the Southern Great Plains Region of the USA.” Invited presentation prepared for faculty and staff at the Hebei Academy of

Agriculture and Forestry Sciences, Shijiazhuang, Hebei, Peoples Republic of China, October 25, 2012.

Biermacher, J.T. “Research and Demonstration Programs at the Samuel Roberts Noble Foundation: Helping Farmers Achieve Success.” Invited presentation prepared for faculty and students at the Agricultural University of Hebei Province, Baoding, Hebei, Peoples Republic of China, October 22, 2012.

Biermacher, J.T. “Economics Opportunities and Challenges for Producing Switchgrass in the Cattle Belt.” Invited Speaker. Economic Viability of Switchgrass as a Biofuel Feedstock Workshop, Ardmore, Oklahoma, August 27, 2012.

Biermacher, J.T. M. Haque*, M.K. Kering, and J.A. Guretzky. “Economic Considerations of Soil Nutrient Mining and Remobilization Associated with Switchgrass Feedstock Production.” Selected paper presented at the Agricultural and Applied Economics Association’s Annual meetings, Seattle, Washington, August 12-14, 2012.

Blanton, J.R., **J.T. Biermacher**, J. Mosali, and B.J. Cook. “Using Switchgrass Pastures to Produce Stocker Cattle Gain and Bioenergy Feedstock I: Production Potential.” Selected paper prepared for presentation at the American Animal Science Association’s Annual meeting, Phoenix, Arizona, July 15-19, 2012.

Biermacher, J.T., J.R. Blanton, Jr., J. Mosali, and B.J. Cook. “Using Switchgrass Pastures to Produce Stocker Cattle Gain and Bioenergy Feedstock II: Economic Potential.” Selected paper prepared for presentation at the American Animal Science Association’s Annual meeting, Phoenix, Arizona, July 15-19, 2012.

Biermacher, J.T., M. Haque*, A.A. Hopkins, D.S. Hubbell, T. Hess, and P.A. Beck. “Economics of Using Clover to Supply Nitrogen Needs of Toxic- and Novel-Endophyte Tall Fescue Pastures.” Selected paper prepared for presentation at the Western Agricultural Economics Association’s Annual meeting, Park City, Utah, June 20-22, 2012.

King, S., and **J.T. Biermacher**. “Using Economic Theory to Help Undergraduate Students to Think About the Role of Government in the Agricultural Economy.” Selected paper prepared for presentation at the Western Agricultural Economics Association’s Annual meeting, Park City, Utah, June 20-22, 2012.

Biermacher, J.T., J.R. Blanton, Jr., J. Mosali, and B.J. Cook. “Economic Potential of Using Switchgrass Pastures to Produce Stocker Cattle Gain and Bioenergy Feedstock.” Selected paper prepared for presentation at the Western Agricultural Economics Association’s Annual meeting, Park City, Utah, June 20-22, 2012.

Haque, M., **J.T. Biermacher**, M.K. Kering, and J.A. Guretzky. 2012. “Managing Nutrients for Switchgrass Produced in Phosphorus-Deficient Soils” Presented at the 2012 Southern Agricultural Economics Association Annual Meeting, Birmingham, Alabama, 4-7 February.

Beck, P. M. Haque, **J.T. Biermacher**, T. Hess, and D. Hubbell. "Economics of Utilizing Clover in Tall Fescue Pastures for Stocker Cattle." Presented at the Annual Meeting of the Southern Association of Animal Science, Birmingham, Alabama, February, 4-7, 2012.

Donnell, J., **J.T. Biermacher** and S. Upson. "Economic Potential for Using a High Tunnel Hoop House to Produce Fruits and Vegetables." Presented to faculty and staff of The Samuel Roberts Noble Foundation, Inc., Ardmore, OK, November, 9, 2011.

Haque, M., **J.T. Biermacher**, M.K. Kering, and J.A. Guretzky. "Does Nutrient Mining Affect the Choice of Harvest System and Nutrient Management Strategy for Producing Switchgrass Biomass?" Selected paper prepared for presentation at the 2011 ASA, CSSA, SSSA Annual Meeting at San Antonio, TX, October, 16-19, 2011.

Upson, S., J. Donnell, and **J.T. Biermacher**. "Economic Potential for Using Hoop House Plasticulture Technology to Produce Fruits and Vegetables." Selected Paper Prepared for Presentation at the annual meeting of the American Horticultural Society of America (AHSA), September 25-28, Waikoloa, Hawaii, 2011.

Oswald, D., **J.T. Biermacher**, M. Haque, C. Moffet, and E.R. Funderburg. "Economic Evaluation of Introduced Warm Season Grass Varieties and Nitrogen Levels for Hay Production." Selected paper prepared for presentation at the Western Agricultural Economics Association's Annual Meeting, Banff, Alberta, Canada, June 28-July1, 2011.

Biermacher, J.T., "Economic Potential of Substituting Legumes for Nitrogen in Bermudagrass Pastures." Paper prepared for presentation to Noble Foundation Staff at the Agricultural Division's Brown Bag Luncheon, Ardmore, Oklahoma, May 2, 2011.

Biermacher, J.T., M. Haque, M.K. Kering, and J.A. Guretzky. "Economically Sustainable Harvest System and Nutrient Management Strategy for Producing Switchgrass Biomass in the Noble Foundation Service Region." Research Paper Presented to Noble Foundation Faculty, Staff, Senior Management, and Non-Resident Fellows, Ardmore, Oklahoma, March 30, 2011.

Biermacher, J.T., R. Reuter, T.J. Butler, M.K. Kering, J.D. Springer, J.K. Rogers, J.R. Blanton, Jr., and J.A. Guretzky. "Economic Potential of Substituting Legumes for Nitrogen in Warm Season Pastures Used for Stocker Cattle Grazing." Selected Paper Prepared for Presentation at the 18th International Farm Management Association's Congress, Christchurch, New Zealand, March 24, 2011.

Biermacher, J.T., M. Haque, M.K. Kering, and J.A. Guretzky. "Economically Sustainable Harvest System and Nutrient Management Strategy for Producing Switchgrass Biomass in the Southern Great Plains." Invited presentation given to senior research staff and management of Ceres, Inc., College Station, Texas, March 9, 2011.

Donnell, J., **J.T. Biermacher**, and S.D. Upson. "Economic Potential for Using Hoop House Plasticulture Technology to Produce Fruits and Vegetables." Selected Paper Prepared for Presentation at the Southern Agricultural Economics Association's Annual Meeting, Corpus Christi, Texas, February 5-8, 2011.

Amadou, Z., K. Curry Raper, C.E. Ward, **J.T. Biermacher**, and B.J. Cook. “Determining Key Factors of Influence on the Profitability of Cull Cows.” Selected Paper Prepared for Presentation at the Southern Agricultural Economics Association’s Annual Meeting, Corpus Christi, Texas, February 5-8, 2011.

Biermacher, J.T., J. Donnell, and S.D. Upson. “Economic Potential for Using High Tunnel Hoop Houses to Grow Fruits and Vegetables.” Keynote Presentation at the Horticultural Industry Trade Show, Fort Smith, Arkansas, January 15, 2011.

Biermacher, J.T., “The State of the Bioenergy Industry in Oklahoma: Issues and Challenges.” Presented to the Oklahoma Renewable Energy Council, Oklahoma City, Oklahoma, January 12, 2011.

Kering, M.K., J.A. Guretzky and **J.T. Biermacher**. “Comparison of Forage Yield and Quality of Legume-Interseeded and Nitrogen-Fertilized Rye.” Selected paper presented at the ASA-CSSA-SSSA International Annual Meeting, Long Beach, CA, October 31-November 4, 2010.

Amadou, Z., K. Curry Raper, **J.T. Biermacher**, B.J. Cook and C.E. Ward. “The Effects of Initial Body Conditioning Score on Cull Cow Profitability.” Selected paper for presentation at the Applied Agricultural Economics Association’s Annual Meeting, Denver, CO, July 28-31, 2010.

Tumusiime, E., B.W. Brorsen, J. Mosali, and **J.T. Biermacher**. “How Much Does Considering the Cost of Lime Affect the Recommended Level of Nitrogen?” Selected paper for presentation at the Applied Agricultural Economics Association’s Annual Meeting, Denver, CO, July 28-31, 2010.

Springer, J.D., R. Reuter, J.K. Rogers, and **J.T. Biermacher**. “What is the Potential for an Intensively Managed, Year-Round Lightweight Stocker Cattle System in the Southern Plains.” Poster prepared for presentation at the American Agricultural Economics Association’s annual meeting, Denver, CO, July 25-28, 2010.

Reuter, R.R., **J.T. Biermacher**, J.K. Rogers, T.J. Butler, M.K. Kering, J.R. Blanton, and J.A. Guretzky. 2010. “Potential of Legumes as Substitutes for Nitrogen Fertilizer in Summer Stocker Grazing Systems.” Selected paper for presentation at the 4th Grazing Livestock Nutrition Conference, Estes Park, Colorado, July 9-10, 2010.

Kering, M.K., **Biermacher, J.T.**, R. Reuter, J.D. Springer, J.K. Rogers, J. Blanton, Jr., T.J. Butler, J.H. Bouton, and J.A. Guretzky. “Economic Potential of Substituting Legumes for Nitrogen in Summer Stocker Grazing Systems.” Selected paper for presentation at the Southern Agricultural Economics Association’s Annual Meeting, Orlando, FL, February 6-11, 2010.

Tumusiime, E., B.W. Brorsen, J. Johnson, J. Locke, J. Mosali, and **J.T. Biermacher**. “Determining Optimal Level of Nitrogen Fertilizer for Rye-Ryegrass Pasture Using a Random Parameter Model.” Selected paper for presentation at the Southern Agricultural Economics Association’s Annual Meeting, Orlando, FL, February 6-11, 2010.

Amadou, Z., **J.T. Biermacher**, K. Raper-Curry, B.J. Cook, and C.E. Ward. “Alternative Management Strategies for Adding Value to Cull Cows.” Selected paper for presentation at the 4th National Conference on Grazing Lands, Reno, Nevada, December 13-16, 2009.

Biermacher, J.T., “Economic Potential of Stocker Cattle Grazing Tall Fescue Infected with a Novel Endophyte in the Southern Great Plains.” Invited research paper presented to the Non-Resident Fellows of the Agricultural Division of the Samuel Roberts Noble Foundation, Ardmore, Oklahoma, October 8th, 2009.

Biermacher, J.T., R. Reuter, A. Hopkins, C. Young, B.J. Cook, J.H. Bouton, and T.J. Butler. “Economic Feasibility of Stocker Cattle Grazing Tall Fescue Infected with a Novel Endophyte in the Southern Great Plains of the USA.” Selected Paper for Presentation at the SERA-IRG Fescue Toxicosis Annual Meetings, Cadiz, Kentucky, October 4-6, 2009.

Biermacher, J.T. “Agricultural Research, Demonstration, Education and Consultation at the Noble Foundation.” Invited presentation given to the President and Faculty of the Azerbaijan State Agrarian University, Ganca, Azerbaijan, September 25, 2009.

Biermacher, J.T., “Economic Potential of Stocker Cattle Grazing Tall Fescue Infected with a Novel Endophyte in the Southern Great Plains.” Presented to the Agricultural Division Staff of The Samuel Roberts Noble Foundation, Ardmore, Oklahoma, August 5th, 2009.

Biermacher, J.T., and John D. Anderson. “Financial Crisis Impact on Agricultural Commodities.” Selected Paper for Presentation at the Applied Agricultural Economics Association’s Annual Meeting, Milwaukee, WI, July 26-29, 2009.

Biermacher, J.T., C. Coffey, B.J. Cook., D. Childs, J. Johnson, and D. Ford. “Economic Potential of No-Tilling Winter Cereal Forages.” Selected Paper for Presentation at the International Farm Management Association’s Congress, Bloomington, IL, July 19-24, 2009.

Biermacher, J.T., R. Reuter, B.J. Cook, A.M. Islam, A. Hopkins, C. Young, J.H. Bouton, and T.J. Butler. “Economic Feasibility of Stocker Cattle Grazing Tall Fescue Infected with a Novel Endophyte in the Southern Great Plains of the USA.” Selected Paper for Presentation at the Joint Annual Meetings of the American Dairy Science Association/American Society of Animal Science/Canadian Society of Animal Science, Montreal, Quebec, Canada, July 12-16, 2009.

Guretzky, J., R. Reuter, **J.T. Biermacher**, J.D. Springer, T.J. Butler, H. Aljoe, J. Rogers, and B.J. Cook. “Economic Potential of Stocker Cattle Grazing Legume-Interseeded Bermudagrass.” Selected Paper for Presentation at the Joint Annual Meetings of the American Dairy Science Association/American Society of Animal Science/Canadian Society of Animal Science, Montreal, Quebec, Canada, July 12-16, 2009.

Guretzky, J.A., **J.T. Biermacher**, R. Reuter, J.R. Blanton Jr., J. Mosali, M. Kering and B.J. Cook. “Utilization of Switchgrass in a Dual Purpose Stocker Cattle and Bioenergy System.” Selected Paper for Presentation at the Joint Annual Meetings of the American Dairy Science

Association/American Society of Animal Science/Canadian Society of Animal Science, Montreal, Quebec, Canada, July 12-16, 2009.

Biermacher, J.T., R. Reuter, A.M. Islam, A. Hopkins, B.J. Cook, C. Young, J.H. Bouton, and T.J. Butler. “Economic Feasibility of Stocker Cattle Grazing Tall Fescue Infected with a Novel Endophyte in the Rolling Plains.” Selected Paper for Presentation at the Annual Meeting of the Southwestern Wheat Research and Extension Consortium, Amarillo, Texas, March 24-25, 2009.

Biermacher, J.T., “The Economic Potential of Precision Applications of Nitrogen on Wheat Based on Plant Sensing Technology.” Invited Paper Prepared for Presentation to the Faculty of the Department of Agricultural Economics, Purdue University, West Lafayette, IN, March 9, 2009.

Amadou, Z., C.E. Ward, K. Curry Raper, B.J. Cook, and **J.T. Biermacher**. “Management Productions Systems and Timing Strategies for Cull Cows.” Selected Paper for Presentation at the Southern Agricultural Economics Association’s Annual Meeting, Atlanta, GA, February 1-3, 2009.

Springer, J.D., **J.T. Biermacher**, M.D. Childs, D.O. Alkire, and Brandon Grooms. “Attributes Preferred and Premiums Offered for Naturally Produced Cattle.” Selected Paper for Presentation at the Southern Agricultural Economics Association’s Annual Meeting, Atlanta, GA, February 1-3, 2009.

Guretzky, J.A., **J.T. Biermacher**, E. Funderburg, J. Mosali, J. Ball, and S. Norton. “Forage Yield Stability of Fertilized Bermudagrass in the Great Plains.” Selected Paper for Presentation at the ASA-CSSA-SSSA International Annual Meetings, Houston, TX, October 5-9, 2008.

Guretzky, J.A., B.J. Cook, **J.T. Biermacher**, R.R. Reuter, J. Mosali and M. Kering. “Utilization and Value of Switchgrass in a Dual Purpose Stocker Cattle and Bioenergy System.” Selected Paper for Presentation at the 2008 Association for the Advancement of Industrial Crops 20th Annual Meeting, College Station, TX, September 7-11, 2008.

Reuter, R., M.D. Childs, and **J.T. Biermacher**. “Effects of Frame Size and Muscle Score on Stocker and Feeder Cattle Profitability.” Selected Paper for Presentation at the Western Agricultural Economics Association’s Annual Meeting, Big Sky, MT, July 25-27, 2008.

Biermacher, J.T., A.M. Islam, T. Butler, A. Hopkins, B.J. Cook, R. Reuter and J. Bouton. “Value of Tall Fescue Infected with a Novel Endophyte in the Winter Forage Stocker Grazing Enterprise.” Selected Paper for Presentation at the Western Agricultural Economics Association’s Annual Meeting, Big Sky, MT, July 25-27, 2008.

Biermacher, J.T., R.J. Beck, and D.A. Lightfoot. “Measuring the Expected Regional Economic Effects of On Farm Adoption of Insecticide Resistant Corn.” Selected Paper for Presentation at the Joint Mid-Continent Regional Science Association’s/National IMPLAN User’s Annual Conference, Colorado Springs, CO, June 5-7, 2008.

Islam, A.M., T.J. Butler, A.A. Hopkins, **J.T. Biermacher**, B.J. Cook, and J.H. Bouton. "Comparison of Cereal Rye/Annual Ryegrass and Tall Fescue Stocker Grazing Systems in the Southern Great Plains of USA." Selected Paper for Presentation at the International Forage and Grazing Association's Annual Meeting, Seoul, South Korea, 2008.

Biermacher, J.T. "Benefits of Soybean Hull Supplementation in the Stocker Cattle Grazing Enterprise and Their Implications for the Regional Economy." Presented to the Department of Agricultural Economics, Texas A&M University, College Station, TX, February 28, 2008.

Whitley, E.M., R.R. Reuter, and **J.T. Biermacher**. "Relative Value of Five Byproducts as Supplements to Stocker Cattle." Selected Paper for Presentation at the Southern Association of Agricultural Scientists Annual Meeting, Dallas, TX, February 2-5, 2008.

Biermacher, J.T., C. Coffey, B.J. Cook., and D. Ford. "Economic Potential of Conservation Farming of Winter Forages for Stocker Cattle Grazing in the Southern Great Plains." Selected Paper for Presentation at the Southern Agricultural Economics Associations Annual Meeting, Dallas, TX, February 2-5, 2008.

Coffey, C., **J.T. Biermacher**, B.J. Cook., and D. Ford. "Value of Conservation Farming Winter Forages in the Stocker Cattle Grazing Enterprise." Selected Paper for Presentation at the Joint Meeting of the Society of Range Management and American Forage and Grassland Council, Louisville, KY, January 26-31, 2008.

Hales, K., G. Horn, E. Whitley, M.D. Childs, and **J.T. Biermacher**. "Economic Value of Soybean Hull Supplementation in the Winter Stocker Grazing Enterprise." Selected Paper for Presentation at the Joint Meetings of the AAEE/WAEA/CAEA, Portland, OR, July 28-August 1, 2007.

Cook, B.J., **J.T. Biermacher**, and D. Childs. "Value of Pregnancy Testing Spring Calving Beef Cows." Selected Paper for Presentation at the 16th International Farm Management Association Congress, Cork, Ireland, July 16-21, 2007.

Biermacher, J.T., B.W. Brorsen, F.M. Epplin, J.B. Solie, and W.R. Raun. "What is the potential for Precision Agriculture Based on Plant Sensing?" Selected Paper for Presentation at the 16th International Farm Management Association Congress, Cork, Ireland, July 16-21, 2007.

Biermacher, J.T., S. Upson, D. Miller, and D. Pittman. "Economic Feasibility of Small Scale Vegetable Production and Retailing: The Case of Rural Oklahoma." Selected Paper for Presentation at the Southern Agricultural Economics Associations Annual Meeting, Mobile, Alabama, February 2-5, 2007.

Cook, B., **J.T. Biermacher**, and D. Childs. "Value of Pregnancy Testing Beef Cows." Selected Paper for Presentation at the Southern Agricultural Economics Associations Annual Meeting, Mobile, Alabama, February 2-5, 2007.

Biermacher, J.T., F.M. Epplin, J.B. Solie, B.W. Brorsen, and W.R. Raun. “Managing Nitrogen Fertilizer on Micro Grids.” Selected Paper for Presentation at the American Agricultural Economics Association Annual Meeting, Long Beach, California, July 28-31, 2006.

Biermacher, J.T., F.M. Epplin, J.B. Solie, B.W. Brorsen, and W.R. Raun. “Maximum Value of a Precise Nitrogen Application System for Wheat.” Selected Paper for Presentation at the Southern Agricultural Economics Association Annual Meeting, Orlando, Florida, 2-5, 2006.

Biermacher, J.T. “Economic Potential of Utilizing Plant Sensing Technology to Manage Nitrogen Fertilizer on Winter Wheat.” Presented to the Staff of the Agricultural Division of the Samuel Roberts Noble Foundation, Ardmore, Oklahoma, June 18, 2005.

Biermacher, J.T. “Economic Feasibility of Managing Nitrogen Fertilizer on Growing Wheat with Site Specific Optical Sensing Technology.” Presented to the Department of Agribusiness Economics, Southern Illinois University, Carbondale, Illinois, April 14, 2005.

Biermacher, J.T., F.M. Epplin, J.B. Solie, B.W. Brorsen, W.R. Raun. “Managing Nitrogen for Winter Wheat Using Site-Specific Optical Sensing.” Selected Paper for Presentation at the Southern Agricultural Economics Association Annual Meeting, Little Rock, Arkansas, February 2-5, 2004.

Biermacher, J.T., F.M. Epplin, and K.R. Keim. “FAIR, PostFAIR, and NoFAIR: A Comparison of Cropping Alternatives for the Southern Great Plains.” Selected Paper for Presentation at the Southern Agricultural Economics Association Annual Meeting, Mobile, Alabama, February 2003.

Extension, Education and Outreach Presentations (53):

Biermacher, J.T. “Alternative Strategies for Managing and Marketing Cull Cows.” Presented to members of the Southwest Missouri Cattleman’s Association, Oswalt, Oklahoma, August 7, 2013.

Biermacher, J.T. “Alternative Strategies for Managing and Marketing Cull Cows.” Presented to faculty and students of the 2012 TCU Ranch Management Program, Oswalt, Oklahoma, November, 14, 2012.

Biermacher, J.T. “Economic Evaluation of Introduced Warm Season Grass Varieties and Nitrogen Levels for Hay Production.” Paper prepared for presentation to Agricultural Division Faculty and Staff, Ardmore, Oklahoma, August 2, 2012.

Biermacher, J.T., J.K. Rogers, and R. Reuter. “Feeding the Pasture versus Feeding the Steer: Interaction of N Fertilizer and Soybean Hull Supplements in a Wheat Forage Grazing System.” Paper prepared for presentation to participants of the Noble Foundation’s Annual Winter Pasture and Stocker Cattle Seminar, Ardmore, Oklahoma, July 24, 2012.

Biermacher, J.T. “Economic Potential of Substituting Legumes for Nitrogen in Bermudagrass Pastures.” Presented to the members of the Livestock Marketing Information Center’s (LMIC) Technical Advisory Committee, Oswalt, Oklahoma, June 14th, 2012.

Biermacher, J.T., and K. Curry Raper. “Alternative Strategies for Managing and Marketing Cull Cows.” Presented to faculty and students of the 2011 TCU Ranch Management Program, Oswalt, Oklahoma, November, 14, 2011.

Biermacher, J.T., “Alternative Strategies for Managing and Marketing Cull Cows.” Presented to Cooke County Extension Agents, Oswalt, Oklahoma, October, 10, 2011.

Biermacher, J.T., “Managing and Marketing Cull Cows in South-Central Oklahoma.” Presented to research and extension faculty of Texas Agrilife Extension and Research, Overton, TX, June 7, 2011.

Biermacher, J.T., “Bioenergy Research Programs at the Noble Foundation.” Presented to participants of the Oklahoma Ag in the Classroom program, Ardmore, Oklahoma, January 21, 2011.

Biermacher, J.T., “Strategies for Managing and Marketing Cull Cows in South-Central Oklahoma/North-Central Texas.” Presented to students and faculty of East Central Oklahoma College, Oswalt, Oklahoma, December 2, 2010.

Biermacher, J.T., “Strategies for Managing and Marketing Cull Cows in South-Central Oklahoma.” Presented to participants of Oklahoma Ag in the Classroom, Oswalt, Oklahoma, November 18, 2010.

Biermacher, J.T., “Forage Based Beef Research at the Noble Foundation.” Presented to participants of Oklahoma Ag in the Classroom, Ardmore, Oklahoma, November 17, 2010.

Biermacher, J.T., “Bioenergy Research at the Samuel Roberts Noble Foundation.” Presented at the USDA-Sponsored Community Forum on Expanding the U.S. Biofuels Market, Weatherford, Oklahoma, October 28, 2010.

Biermacher, J.T., “Strategies for Managing and Marketing Cull Cows in South-Central Oklahoma.” Presented to Ranchers and Extension Agents in Cowley County Kansas, Oswalt, Oklahoma, September, 23, 2010.

Donnell, J., **J.T. Biermacher**, and B.J. Cook. “Adding Value to Cull Cows.” Presented to agricultural producers at the Noble Foundation’s Fall Cattle Management Seminar, Ardmore, Oklahoma, September 14, 2010.

Biermacher, J.T., “Agricultural Division Research Programs at the Noble Foundation.” Presented to Robert Egerton-Warburton, Nuffield Scholar, Burneyville, Oklahoma, August 26, 2010.

Biermacher, J.T., “Economic Benefits/Costs for Analyzing Animal Feed Rations Using Agro Marketing Information’s (AIM) Animal Feed Analysis Laboratory.” Presented to AIM Staff and Extension Agents and USAID Staff, Agjebeddi, Azerbaijan, July 29, 2010.

Biermacher, J.T., “Forage Based Beef Research at the Noble Foundation.” Presented to Kansas State Cooperative Extension Agents, Oswalt, Oklahoma, April 19, 2010.

Biermacher, J.T., “Alternative Strategies for Managing and Marketing Cull Cows.” Presented to Texas Agrilife Extension Agents, Oswalt, Oklahoma, April 18, 2010.

Biermacher, J.T., “Agricultural Division Research Programs at the Noble Foundation.” Presented to Name, New Zealand, Ardmore, Oklahoma, April 26, 2010.

Biermacher, J.T., “Alternative Strategies for Managing and Marketing Cull Cows.” Presented to Members of the Caddo County Cattlemen’s Association, Oswalt, Oklahoma, April 19, 2010.

Biermacher, J.T., “Agricultural Division Research Programs at the Noble Foundation.” Presented to Faculty of the University of Perugia, Italy, Ardmore, Oklahoma, April 14, 2010.

Biermacher, J.T., “Agricultural Division Research Programs at the Noble Foundation.” Presented to Dr. Phil Rolston, AgResearch Limited of New Zealand, Ardmore, Oklahoma, April 9, 2010.

Biermacher, J.T., “Alternative Strategies for Managing and Marketing Cull Cows.” Presented to the Oklahoma Cattlemen’s Association’s Leadership Academy, Oswalt, Oklahoma, April 8, 2010.

Biermacher, J.T., “Alternative Strategies for Managing and Marketing Cull Cows.” Presented to Members of the Louisiana Cattlemen’s Association, Oswalt, Oklahoma, March 31, 2010.

Biermacher, J.T., “Alternative Strategies for Managing and Marketing Cull Cows.” Presented to Faculty and Students of the Texas Christian University Ranch Management Class, Oswalt, Oklahoma, March 30, 2010.

Biermacher, J.T., “Alternative Strategies for Managing and Marketing Cull Cows.” Presented to Board of Directors of the Oklahoma Cattlemen’s Association, Oswalt, Oklahoma, February 25, 2010.

Biermacher, J.T., “Horticulture Research at the Noble Foundation.” Presented to participants of Oklahoma Ag in the Classroom program, Ardmore, Oklahoma, January 22, 2010.

Biermacher, J.T., “Bioenergy Research Programs at the Noble Foundation.” Presented to participants of the Oklahoma Ag in the Classroom program, Ardmore, Oklahoma, January 22, 2010.

Biermacher, J.T., “Economic Potential of Substituting Legumes for Synthetic Sources of Nitrogen in Bermudagrass Stocker Grazing Systems.” Presented to Agriculture Division Staff of the Samuel Roberts Noble Foundation, Inc., Ardmore, Oklahoma, December 4, 2009.

Biermacher, J.T., “Agricultural and Bioenergy Research Programs at the Samuel Roberts Noble Foundation.” Presented to selected faculty of the Institute of Botany of the Chinese Academy of Sciences R&D Center of Energy Plants, Ardmore, Oklahoma, November 15, 2009.

Biermacher, J.T., “On Farm Bioenergy Research at the Samuel Roberts Noble Foundation.” Presented to selected faculty of the Institute of Biological, Environmental and Rural Sciences at Aberystwyth University of Wales, Burneyville, OK, November 10, 2009.

Biermacher, J.T., “Alternative Strategies for Marketing Cull Cows.” Presented to members of the Kentucky Cattlemen’s Association, Oswalt, Oklahoma, November 5, 2009.

Biermacher, J.T., R. Reuter, and B.J. Cook. “Receiving Protocol for Fall-Purchased Stocker Cattle at the Noble Foundation.” Presented to selected students and faculty of the Iowa State University, Department of Animal Sciences, Oswalt, Oklahoma, June 29, 2009.

Oswald, D., and **J.T. Biermacher**. “Implications of Proposed Cap-and-Trade Legislation for Landowners.” Selected Paper Presented at the Oklahoma Pecan Growers Association’s Annual Meeting, Oklahoma City, OK, June 1-3, 2009.

Biermacher, J.T., “Ag Research Programs at the Samuel Roberts Noble Foundation.” Presented to members of the Dallas and Fort Worth Ag Club, Ardmore, Oklahoma, May 4, 2009.

Biermacher, J.T., R. Reuter, and B.J. Cook. “Receiving Program for Fall-Purchased Stocker Cattle at the Noble Foundation.” Presented to selected members of the Oklahoma Cattleman’s Leadership Association, Oswalt, Oklahoma, April 23, 2009

Biermacher, J.T., R. Reuter, and B.J. Cook. “Receiving Program for Fall-Purchased Stocker Cattle at the Noble Foundation.” Presented to selected members of the Blaine County Oklahoma Wheat and Cattle Producers Association, Oswalt, Oklahoma, April 16, 2009.

Biermacher, J.T., and H. Aljoe “Agricultural Division Research and Demonstration Programs at the Samuel Roberts Noble Foundation.” Presented to faculty and students of Redlands Community College, Oswalt, Oklahoma, April 14, 2009.

Blanton, J, Jr., and **J.T. Biermacher**. “Agricultural Division Research and Demonstration Programs at the Samuel Roberts Noble Foundation.” Presented to participants of the Louisiana Cattleman’s Association, Oswalt, Oklahoma, April 5, 2009

Biermacher, J.T., R. Reuter, and B.J. Cook. “Receiving Program for Fall-Purchased Stocker Cattle at the Noble Foundation.” Presented to faculty and students of the College of the Ozarks, Oswalt, Oklahoma, March 26, 2009.

Biermacher, J.T., “Economic Potential of Conservation Farming Winter Cereal Forages for Stocker Cattle Grazing in the Rolling Plains.” Invited Paper Presented to the Faculty of the Department of Agricultural Economics at Purdue University, West Lafayette, IN, March 9, 2009.

Biermacher, J.T., C.R. Coffey, B.J. Cook, M.D. Childs, and D. Ford. “Economic Advantage of No-Tilling Winter Forages for Stocker Grazing.” Invited Paper Presented at the Texhoma Farm Show, Wichita Falls, Texas, February 27-28, 2009.

Biermacher, J.T., “Economic Potential of Baby Spinach Followed by Strawberry in a High Tunnel Hoop House System.” Presented to participants of the Oklahoma Agriculture in the Classroom Program, Noble Foundation Sponsored Event, Ardmore, OK, January 23, 2009.

Biermacher, J.T., “Economic Potential of Early Season Tomato Followed by Yellow and Zucchini Squash in a High Tunnel Hoop House System.” Presented to Delegation of Agricultural, Economic and Education Ministers of Azerbaijan, Ardmore, OK, December 12-14, 2008.

Biermacher, J.T., “Carbon Sequestration Programs and their Implications for Landowners.” Presented at the Noble Foundation’s Annually Sponsored Farm Management Education Program, Ardmore, OK, November 24, 2008.

Springer, J.D., R. Reuter, and **J.T. Biermacher**. “Cost of Commingling, Sorting and Marketing Value Added Beef Calves.” Presented to Farmers and Ranchers from Southern Oklahoma and North Texas, Burneyville, OK, November 15, 2008.

Biermacher, J.T. “Value of Conservation Farming Practices in the Winter Forage Grazing Enterprise.” Presented to Texas Agrilife County Extension Agents from the 4th District, Burneyville, OK, September 24, 2008.

Biermacher, J.T. “Value of Conservation Farming Practices in the Winter Forage Grazing Enterprise.” Presented to Texas Agrilife County Extension Agents from the 3rd District, Burneyville, OK, September 23, 2008.

Biermacher, J.T. “Value of Conservation Farming Practices in the Winter Forage Grazing Enterprise.” Presented to Kansas State County Extension Agents, Burneyville, OK, September 15, 2008.

Biermacher, J.T. “Value of Conservation Farming Practices in the Winter Forage Grazing Enterprise.” Presented to the Oklahoma Water and Soils Conservation Association (OWSCA) at the Noble Foundation’s Oswalt Research Ranch, June 20, 2008.

Biermacher, J.T. “Preparing Stocker Cattle for Grazing Research at the Noble Foundation.” Presented to the Public at the Noble Foundation’s Annual Oswalt Research Ranch Field Day, Love County, OK, May, 2008.

Biermacher, J.T. “Preparing Stocker Cattle for Grazing Research at the Noble Foundation.” Presented to North Central Texas County Extension Agents at the Noble Foundation’s Red River Research and Demonstration Farm, Burneyville, OK, April, 2008.

Biermacher, J.T. “Preconditioning Stocker Cattle at the Noble Foundation: Factors that Influence Production and Economics.” Presented to members of the Anderson County Kentucky Cattlemen’s Association, Ardmore, OK, November, 2007.

Biermacher, J.T. “Preconditioning Stocker Cattle at the Noble Foundation: Factors that Influence Production and Economics.” Presented to members of the Eastern Kentucky Cattlemen’s Association, Ardmore, OK, October, 2007.

Biermacher, J.T. “Preconditioning Stocker Cattle at the Noble Foundation: Factors that Influence Production and Economics.” Presented to North-Texas County Extension Agents, Ardmore, OK, September, 2007.

Biermacher, J.T. “Preconditioning Stocker Cattle at the Noble Foundation: Factors Influencing Production and Economics.” Presented to graduate students attending Chiang Mai University of Thailand, Burneyville, Oklahoma, June, 2007.

Biermacher, J.T. “Factors Influencing Production and Economics of Preconditioned Stocker Cattle at the Noble Foundation.” Presented at the Noble Foundation’s Agricultural Division’s Annual Research and Demonstration Farm Field Day, Burneyville, Oklahoma, April, 2007.

Biermacher, J.T. “Opportunities for Employment in Agricultural Sciences.” Presented at a Noble Foundation-Sponsored Educational Seminar for Agricultural and Non-agricultural Educators and School Administrators, Ardmore, OK, March, 2006.

Biermacher, J.T. “Solutions for Better Understanding the Economics and Opportunities in the Noble Foundation Service Area.” Presented to the Board of Trustees of the Samuel Roberts Noble Foundation, Ardmore, Oklahoma, January, 2006.

Biermacher, J.T. “Oklahoma Beef Cattle: An Economic Outlook.” Presented at the Noble Foundation-sponsored Regional Education Seminar for Farmers, Ranchers, Civic Leaders, and Area and County Extension Agents, Mid-America Technology Center, Wayne Payne, Oklahoma, December, 2005.

Biermacher, J.T., and Roger J. Beck. “Economic Assessment of Biotechnology on Production Agriculture in Southwest Illinois.” Presented in Cooperation with the Illinois Farm Outreach Program for Educators, Civic Leaders, the Business Community, and Farm Producers at Wabash College, Carmi, IL, September, 1999.

Research Projects in Progress:

Amadou, Z., C.E. Ward, K. Rapier, Billy Cook., and **J.T. Biermacher.** “Best Management Strategies for Managing and Marketing Cull Cows.” Collaborative study between the Noble

Foundation and the Department of Agricultural Economics at Oklahoma State University.
Expected Completion date of 2014.

Mosali, J., and **J.T. Biermacher**. “Agronomic and Economic Feasibility Stocker Cattle Grazing Perennial Switchgrass.” USDA/DOD funded on-farm grazing experiments with expected completion date of 2014.

Moffet, C., R. Reuter, J. Rogers, and **J.T. Biermacher**. “Ecological and Economical Benefits and Costs of Long-Term Improvements to Native Range Ecosystems in the Southern Plains.” Ten-year, large-scale study beginning January 1, 2008.

Biermacher, J.T., C. Rohla, and D. Miller. “Best Practice Irrigation Methods for Improved Variety Pecan Orchards.” Five-year experiment with expected completion in 2015.

Reuter, R., J. Rogers, C. Moffet, and **J.T. Biermacher**. “Understanding the biological and economic relationships between nitrogen fertilizer applications and by-product feed supplements in stocker cattle grazing systems.” Five year study with expected completion date of 2014.

Reuter, R., J. Rogers, C. Moffet, and **J.T. Biermacher**. “Agronomic, Biological, and Economic effects of no-till and clean-till establishment methods for winter cereal forages for stocker cattle grazing systems.” Five year grazing study with expected completion date of 2015.

Grants (12):

Wicksted, J., **J.T. Biermacher**, Lou, Y., et al. 2013. “Adapting Socio-ecological Systems to Increased Climate Variability.” NSF EPSCoR Research Infrastructure Improvement Program Track-1: (RII Track-1). \$20,000,000. Funded, Credit 3%.

Biermacher, J.T., K. Stamper, B. Adam, J.K. Rogers, C. Godsy. 2012. “Commercialization of Poultry Waste Processing Technology for Sustainable Agriculture and Renewable Energy.” Economic Development Generating Excellence (EDGE) Grant. \$1,856,333. Not Funded.

Dixon, R.A, M.J. Monteros, H. Wang, and **J.T. Biermacher**. 2011. “Development of Low Lignin Alfalfa Varieties with Enhanced Forage Quality for Oklahoma.” Oklahoma Center for the Advancement of Science and Technology (OCAST) Grant. \$200,000. Funded. Credit 25%.

Rohla, C., and **J.T. Biermacher**. 2010. "Evaluation of Foliar Applied Nitrogen as a Strategy to Manage Nitrogen in Pecan Orchards to Reduce Input Costs and Environmental Hazards.” USDA-NIFA Grant. \$768,936. Not funded.

Stamper, K., **J.T. Biermacher**, B. Adam, J.K. Rogers, C. Godsy. 2010. “Commercialization of Poultry Waste Processing Technology for Sustainable Agriculture and Renewable Energy.” Economic Development Generating Excellence (EDGE) Grant. \$800,000. Not Funded.

Hunhke, R., **J.T. Biermacher**, J. Blanton, Jr., M. Buser, F.M. Epplin, C. Jones, G. Kakani, J. Mosali, and J. Warren. 2009. “Sustainable Feedstock Production Supply Systems to Support

Cellulosic Biorefinery Industries.” USDA Biomass Research and Development Initiative Grant. \$4,200,000. Funded. Credit 5%.

Guretzky, J.A., J. Mosali, **J.T. Biermacher**, K. Gee, and J. Blanton. 2009. “Switchgrass and Native Rangeland Management for Grazing and Bioenergy.” USDA-NRCS Conservation Innovation Grant. \$535,611. Funded. Credit 20%.

Blanton, JR, J. Mosali, **J.T. Biermacher**, J. Guretzky, and B.J. Cook. 2009. “Utilization and Value of Switchgrass in a Dual Purpose Stocker Cattle and Bioenergy System Under Continuous and Rotational Grazing on Stocker Performance and Forage Characteristics.” Oklahoma Bioenergy Center, Oklahoma City, Oklahoma. \$194,647. Funded. Credit 20%.

Guretzky, J., **J.T. Biermacher**, and B.J. Cook. 2009. “Agronomic and Economic Evaluations of Producing Alternative Biomass Feedstock Sources in the Southern Plains.” Oklahoma Bioenergy Center, Oklahoma City. \$140,000. Funded. Credit 33%.

Cook, B.J., **J.T. Biermacher**, and J. Guretzky. 2008. “Economic Feasibility of Grazing Switchgrass.” Oklahoma Bioenergy Center, Oklahoma City, Oklahoma. \$400,000. Funded. Credit 33%.

Cook, B.J., **J.T. Biermacher**, and J. A. Guretzky. 2008. “Large Scale Establishment of Switchgrass for Biomass and Biofuels Research in the Oklahoma Panhandle.” Oklahoma Bioenergy Center, Oklahoma City, Oklahoma. \$1,700,000. Funded. Credit 33%.

Guretzky, J., **J.T. Biermacher**, and B.J. Cook. 2008. “Agronomics and Economics of Switchgrass Production in the Southern Plains.” Five-year award in the amount of \$890,000. Ceres, Inc., Thousand Oaks, California. \$890,000. Funded. Credit 33%.

Significant Government Reports Reviewed:

The National Academies of Science, “Toward Sustainable Agricultural Systems in the 21st Century.” Report published by the National Research Council’s Board on Agriculture and Natural Resources, 2010.

Manuscript/Journal Article Reviews (37):

Agronomy Journal (6), American Journal of Agricultural Economics (3), Biomass and Bioenergy (7), Choices (1), Crop Science (2), Journal of Agricultural and Applied Economics (5), Journal of Agricultural and Resource Economics (1), Journal of Applied Engineering in Agriculture (1), Journal of Food Distribution Research (5), National Research Council (1) and Precision Agriculture (5).

Administrative Service:

Accounting Manager, Agriculture Research Programs, The Samuel Roberts Noble Foundation, Inc., 2005-2010.

Professional and Public Service (15):

At Large Director, Extension Section, Agricultural and Applied Economics Association (AAEA), May 2012-present.

Committee member, Selected Paper Organizing Committee, Southern Agricultural Economics Association (SAEA), 2012-present.

Noble Foundation, Agriculture Division, Chair of the Lloyd Noble Summer Scholar Strategic Planning Committee, 2012-present.

Review Panelist, USDA-NIFA's Federal Assistance Program, Grant Review Panel A1413: Thresholds in Agroecosystems, Washington DC, September 25-30, 2011.

Review Panelist, USDA-NIFA's Federal Assistance Program, Grant Review Panel A1441: Management in Agroecosystems, Washington DC, September 25-30, 2011.

Advisor, Southern Oklahoma Technology Center (SOTC), Biotechnology Academy Advisory Council, 2010-present.

Noble Foundation, Agriculture Division's Graduate Student Assistantship Process and Selection Committee, 2010.

Agricultural Economist, Scientific Team, Oklahoma National Guard's Special Projects Program in Azerbaijan, 2009-present.

Noble Foundation, Agriculture Division's Five Year Strategic Planning Committee, 2008-present.

International Farm Management Association's (IFMA), Scientific/Research Committee, 2007-present.

Noble Foundation, Agriculture Division's Research Program Process, Selection and Approval Committee, 2005-present.

Noble Foundation Library Committee, 2005-present.

Noble Foundation Summer Scholar and Internship Search Committee, 2006-present
Co-Leader, Policy Development and Analysis Workgroup, Feedstocks Workshop of the Sun Grant Initiative, South Central Region, Tulsa, OK, October 1-3, 2007.

Little league baseball, coach, Madill, OK, 2006 & 2007.

President, Graduate Student Association, Department of Agricultural Economics, Oklahoma State University, 2003.

President, Graduate Student Association, Department of Agribusiness Economics, Southern Illinois University, 1998.

Honors and Awards:

Oklahoma State University, Sitlington Scholarship, 2000-2003.

Recipient of the Illinois Wheat Association's Annual Scholarship for Academic Excellence in the Area of International Trade and Marketing, 1996.

Interviews (10):

Beef Magazine (1), Beef Networks Media (2), Feed Lot Magazine (1), Feedstuffs Magazine (1), Insight Magazine (Noble Foundation Press) (3), Legacy (Noble Foundation Press) (2).

Postdoctoral Research Fellows, Graduate Student, and Visiting Scholar Advisory (6):

Ling Zhang, Ph.D., Visiting Scholar, Agricultural University, Hebei, China, 2011-2012.

Peijun Tao, Ph.D., Visiting Scholar, Agricultural University, Hebei, China, 2011-2012.

Mohua Haque, Ph.D., Postdoctoral Research Fellow, The Samuel Roberts Noble Foundation, 2011-present.

Emmanuel Tumusiime, Ph.D. student, Department of Agricultural Economics, Oklahoma State University, Dissertation committee, 2008-2011.

Zakou Amadou, Ph.D. student, Department of Agricultural Economics, Oklahoma State University, Dissertation committee, 2009-present.

Zakou Amadou, M.S., Department of Agricultural Economics, Oklahoma State University, Thesis committee, 2007-2009.

Lloyd Noble Summer Scholars Advisory (12):

Hanbit Chung (Oklahoma State University, 2006); Kristen Greer (Texas A&M University, 2006); Tyler Van Winkle (Kansas State University, 2006); Chris Branch (Oklahoma State University, 2007), Mariah, Johnson (Oklahoma State University, 2007); Brandon Grooms (Texas A&M University, 2008); Brook Bradbury (Kansas State University, 2009); Jessica Robinette (University of Arkansas, 2010); Alex Yauk (Oklahoma State University, 2010); Wyatt Swinford (Oklahoma State University, 2010); Erin White (Oklahoma State University, 2011); Jess Price (Panhandle State University, 2012); Anna Stehle (University of Washington, 2013).

Membership of Professional Organizations (10):

Agricultural and Applied Economics Association (AAEA), Food Distribution Research Society (FDRS), International Farm Management Association (IFMA), Livestock Marketing Information Council (LMIC), National Cattlemen's Beef Association (NCBA), Oklahoma Cattlemen's Association (OCA), American Society of Range Management (ASRM), Southern Agricultural Economics Association (SAEA), Western Agricultural Economics Association (WAEA), and Western Regional Science Association (WRSA).

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