

Tyler B. Mark, Ph.D.

Assistant Professor – University of Kentucky
417 Charles E. Barnhart Bldg., Lexington, KY 40546
Office: (859) 257-7283; Cell: (859) 398-0116
Email: Tyler.Mark@uky.edu

EXPERIENCE

- | | |
|-----------------|--|
| 01/2014-Present | Assistant Professor, University of Kentucky , Department of Agricultural Economics, 60% Research/40% Teaching |
| 08/2010-12/2013 | Assistant Professor, Morehead State University , Department of Agricultural Sciences, 100% Teaching |
| 08/2006-08/2010 | Graduate Research Assistant, Louisiana State University , Department of Agricultural Economics and Agribusiness (Supervisor: Dr. Michael Salassi) |
| 08/2004-03/2006 | Graduate Research Assistant, Purdue University , Department of Agricultural Economics (Supervisors: Dr. Michael Boehlje and Dr. Allan Gray) |

EDUCATION

- | | |
|---------|---|
| 12/2010 | Ph.D., Louisiana State University , Baton Rouge, LA, in Agricultural Economics, Chair: Michael Salassi
<i>Dissertation:</i> Cellulosic ethanol in Louisiana: a three part economic analysis of feedstocks, pricing strategies, and location strategies. |
| 05/2006 | M.S., Purdue University , West Lafayette, IN, in Agricultural Economics, Co-Chairs: Michael Boehlje and Allan Gray
<i>Thesis:</i> The growth potential for the Indiana livestock industries. |
| 05/2004 | B.S., University of Kentucky , Lexington, KY, in Agricultural Economics |

Expertise

Production Economics, Farm Management, Digital Agriculture, Simulation, Agricultural Finance

HONORS AND AWARDS

1. 2018 Southern Agriculture Economics Association (SAEA) Outstanding M.S. Thesis Award winner Benjamin Martin's Advisor
2. 2016 Golden Quill Award for the most outstanding article published in the Journal of American Society Farm Managers and Rural Appraiser
3. 2014 C-FARE/AAEA Early Career Professional Leadership Award

PUBLICATIONS

(* denotes senior or shared senior authorship; **denotes graduate student; ***denotes undergraduate student)

Refereed Journal Articles

1. Dolecheck, K.A.,** M. Overton, **T.B. Mark***, and J.M. Bewley*. 2019. Estimating the Value of Infectious or Non-Infectious Lameness Prevention Strategies with Dairy Farms, as Influenced by Foot Disorders Incidence Rates and Prevention Effectiveness. *Journal of Dairy Science*. DOI:10.3168/jds.2018-14996 (impact factor: 2.749)
2. Dolecheck, K.A.,** M. Overton, **T.B. Mark***, and J.M. Bewley*. 2019. Use of a Stochastic Simulation Model to Estimate the Cost Per Case of Digital Dermatitis, Sole Ulcer, and White Line Disease by Parity Group and Incidence Timing. *Journal of Dairy Science*. DOI: 10.3168/jds.2018-14901 (impact factor: 2.749)
3. Lawani, A.,** M. Reed, **T.B. Mark***, and Y. Zheng. 2019. Quality and Price Competition on Short Term Apartment Rental Market: Evidence from Airbnb in Boston. *Regional Science and Urban Economics*. (impact factor: 1.278)
4. Dant, M.,** K. Burdine, **T.B. Mark***, and B. Goff. 2019. Factors Affecting Hay Prices at Auction: A Hedonic Analysis. *Accepted for publication in Agronomy Journal*. (impact factor: 1.897)
5. Kim, G.,** J.H. Seok**, **T.B. Mark***, M. Reed. 2018. The Price Relationship Between Organic and Non-Organic Vegetables in the U.S.: Evidence from Nielson Scanner Data. *Applied Economics*. DOI: 10.1080/00036846.2018.1524570. (impact factor: 0.75)
6. Kim, G.,** J.H. Seok**, **T.B. Mark***. 2018. New Market Opportunities and Consumer Heterogeneity in the U.S. Organic Food Market. *Sustainability*. DOI:10.3390/su10093166. (impact factor: 2.075)
7. Alamri, Y.** and **T.B. Mark***. 2018. Functions of Wheat Supply and Demand in Saudi Arabia. *Journal of Agricultural Economics and Rural Development*.
8. Davis, T., **T.B. Mark***, and J. Shepherd. 2018. Simulating the Value of Crop Insurance and Pre-Harvest Marketing. *2018 Journal of American Society Farm Managers Rural Appraisers*.
9. Davis, T.D., **T.B. Mark***, and J. Shepherd. 2018. Using Case Farms to Teach Farm, Financial and Risk Management Concepts to Western Kentucky Grain Farmers. *Journal of Extension*.
10. Seok, J.H.,** G. Kim,**, **T.B. Mark***. 2017. The Impact of Minimum Wage on Food Away from Home Expenditure Using a Structural Equation Model. *International Journal of Food and Agricultural Economics*.
11. Salassi, M., A. Holzapfel, B. Hilbun, M. Deliberto, K. Gravois, H. Viator, L. Falconer, and **T.B. Mark***. 2017. Feedstock Crop Production Costs and Biofuel Feedstock Input Costs Associated with the Production of Energy Cane and Sweet Sorghum in the Southeastern United States. *BioEnergy Research*. DOI: 10.1007/s12155-017-9838-3. (impact factor: 2.487)
12. Davis, T.D., J. Shepherd, and **T.B. Mark***. 2017. The Case of Liquidity Problems and Management Alternatives during Periods of Low Grain Prices. *2017 Journal of ASFMRA*.
13. Kim, G.,** and **T.B. Mark***. 2017. Impacts of Corn Price and Imported Beef Price on Domestic Beef Price in South Korea. *Agricultural and Food Economics*. DOI: 10.1186/s40100-017-0074-0.
14. Jackson, J.,** A. Turner,** **T.B. Mark***, and M. Montross*. 2016. Densification of Biomass Using a Pilot Scale Flat Ring Roller Pellet Mill. *Fuel Processing Technology*. (impact factor: 3.752)

15. **Mark, T.B.***, K. Burdine*, J. Cessna, and E. Dohlman. 2016. The Effect of the Margin Protection Program for Dairy Producers. *Economic Research Report*. <http://www.ers.usda.gov/media/2137056/err214.pdf>. September.
16. **Mark, T.B.***, T.W. Griffin, and B. Whitacre. 2016. The Role of Wireless Broadband Connectivity on 'Big Data' and the Agricultural Industry in the United States and Australia. *International Food and Agribusiness Management Review*. (impact factor: 0.545)
17. Griffin, T.W.*, **T.B. Mark***, S. Ferrell, T. Janzen, J. Bennett, and J. Maurer. 2016. Big Data Considerations for Rural Property Professionals. *2016 Journal of American Society Farm Managers Rural Appraisers*.
18. Griffin, T.W., G. Ibendahl, and **T.B. Mark***. 2015. How Spatially Clustered are State-Level Farmland Values? *2015 Journal of American Society Farm Managers Rural Appraisers*.
19. Salassi, M.E., L.L. Falconer, **T.B. Mark**, M.A. Deliberto, B.M. Hilbun, and T.L. Cooper. 2015. Economic Potential for Energy Cane Production as a Cellulosic Biofuel Feedstock in the Southeastern United States. *AIMS Energy*. DOI: 10.3934/energy.2015.1.25.
20. **Mark, T.B.***, K.H. Burdine, and G. Halich. 2014. How sensitive are the Frequencies and Magnitudes of MPP-Dairy. *Journal of Agribusiness*.
21. Griffin, T.W., **T.B. Mark**, D.L. Dobbins, and J.M. Lowenberg-DeBoer. 2014. Estimating Whole Farm Costs of Conducting On-farm Research on Midwestern US Corn and Soybean Farms: A Linear Programming Approach. *International Journal of Agricultural Management*. DOI: 10.5836/ijam/2014-01-04.
22. M.E. Salassi, K. Brown, B.M. Hilbun, M.A. Deliberto, K.A. Gravois, **T.B. Mark**, and L.L. Falconer. 2014. Farm-Scale Cost of Producing Perennial Energy Cane as a Biofuel Feedstock. *Bioenergy Research*. DOI: 10.1007/s12155-013-9390-8. (impact factor: 3.398)
23. **Mark, T.B.***, J.D. Detre, P.M. Darby, and M.E. Salassi. 2014. Energy Cane Usage for Cellulosic Ethanol: Estimation of Feedstock Costs. *International Journal of Agricultural Management*. DOI: 10.5836/ijam/2014-02-04.

Prior to current appointment

24. **Mark, T.B.***, J. Detre, J. D'Antoni, and A. Mishra. 2012. Factors Influencing Farm Operator Expectations on Future Levels of Government Support. *2012 Journal of the American Society of Farm Managers and Rural Appraisers*.
25. Detre, J.*, **Mark, T.B.***, and A. Mishra. 2011. Linkage between Direct Marketing and Farm Income: Double Hurdle Approach. *Agribusiness: an International Journal*. DOI: 10.1002/agr.20248.
26. Detre, J.*, **T.B. Mark***, B. Clark. 2010. Understanding Why College Educated Millennials Shop at Farmers' Markets: An Analysis of Students at Louisiana State University. *Journal of Food Distribution Research*.
27. **Mark, T.B.***, J. Detre, M. Boehlje, A. Gray, and B. Joern. 2010. Is Growing Livestock Inventories a Sustainable Initiative Given Phosphorus Crop Removal Regulations. *2010 Journal of the American Society of Farm Managers and Rural Appraisers*.
28. Gillespie, J., **T.B. Mark**, C. Sandretto, and R. Nehring. 2009. Computerized Technology Adoption Among Farms in the U.S. Dairy Industry. *2009 Journal of the American Society of Farm Managers and Rural Appraisers*.
29. Lusk, J.L., J. Brown, **T.B. Mark**, I. Proseku, R. Thompson, and J. Welsh. 2006. Consumer Behavior and Country of Origin Labeling. *Review of Agricultural Economics*.

Work in Progress

1. Kim, G., M. Nemati, S.C. Buck, and **T.B. Mark**. “Recovering Forecast Distributions of Crop Composition: Method and Application to Kentucky Agriculture.” *Revise and resubmit Journal of Agricultural & Applied Economics*.
2. Chen, B., S. Saghaian, and **T.B. Mark**. Substitute or Complementary: Relationship between U.S. Farmers’ Adoption of Organic Farming and Direct Marketing. *In submission to the British Food Journal*.
3. Turner, A.P., M.P. Sama, L.S.G. McNeill, J.S. Dvorak, **T.B. Mark**, and M.D. Montross. A Discrete Event Simulation Model for Analysis of Farm Scale Grain Transportation Systems. *In submission to Computers and Electronics in Agriculture*.
4. Shockley, J., **T.B. Mark**, K. Burdine, and L. Russell. Financial Implications from Contracting Avian Influenza in a U.S. Broiler Operation. *In submission to Journal of Applied Farm Economics*.
5. Thomas, E.B.,*** K.A. Dolecheck**, **T.B. Mark***, C.R. Eastwood, B.T. Dela Rue, and J.M. Bewley. A Decision Support Tool for Investment Analysis of Automated Estrus Detection Technologies for Grazing Dairy Herds in New Zealand. *Revise and resubmit to Animal Production Science*.
6. Dant, M.,** **T.B. Mark***, K.H. Burdine, and B. Goff. The Potential Risk Reduction Impact of the Non-insured Crop Disaster Assistance (NAP) Program for Alfalfa Producers. *Revise and Resubmit to Applied Economic Perspectives and Policy*.
7. Kim, G.,** J. Schieffer, and **T.B. Mark**. Do Superfund Sites Affect Local Property Values? Evidence from a Spatial Hedonic Approach. *In submission to Journal of Agricultural and Applied Economics*.
8. Martin, B.,** **T.B. Mark***, J. Shockley, and T. Davis. Determinants of Firm-Level Food Corn Contract Decisions. *In submission to the Journal of Agricultural and Food Industrial Organization*.
9. Kim, G.** and T.B. Mark*. “Markets for Industrial Hemp are Smokin’, Despite Legal-Limbo Status.” *In submission to Journal of Agricultural and Resource Economics*.

Book Chapters

1. **Mark, T.B.***, and W. Snell. 2019. Hemp Economics. *Industrial Hemp as a Modern Commodity Crop*. Editor: D. Williams. ASA, CSSA, and SSSA, Madison, WI. *Accepted*
2. Griffin, T.W., J.M. Shockley, and **T.B. Mark**. 2018. Economics of Precision Agriculture. *Precision Agricultural Basics*. Editors: D.K. Shannon, D.E. Clay, and N.R. Kitchen. ASA, CSSA, and SSSA, Madison, WI. DOI:10.2134/precisionagbasics.2018.frontmatter.

Other Refereed Manuscripts

1. Richard, J.,** and **T.B. Mark***. 2017. Precision Dairy Herd Management, a Quantile Approach. *21th International Farm Management Congress Conference Proceedings*. Vol. 1. July.
2. Martin, B., ** C. Dillon, **T.B. Mark**, and T. Davis. 2017. A Whole Farm Analysis of the Implications of Variable Maturity Groups on Harvest Logistics and Net Returns. *Precision Agriculture '17: 11th European Conference on Precision Agriculture*. Editors: J.A. Taylor, D. Cammarano, A. Prashar, and A. Hamilton. Cambridge University Press.
3. Dillon, C., J. Shockley, and **T.B. Mark**. 2017. The Sensitivity of Economic Gains from High-Speed Planting. *Precision Agriculture '17: 11th European Conference on Precision*

Agriculture. Editors: J.A. Taylor, D. Cammarano, A. Prashar, and A. Hamilton. Cambridge University Press.

4. Shockley, J., **T.B. Mark**, and C. Dillon. 2017. Educating Producers on the Profitability of Precision Agriculture Technologies. *Precision Agriculture '17: 11th European Conference on Precision Agriculture*. Editors: J.A. Taylor, D. Cammarano, A. Prashar, and A. Hamilton. Cambridge University Press.
5. Griffin, T.W., G. Ibendahl, A. Sharda, **T.B. Mark**, I. Ciampitti, and K. Herbel. 2015. Optimal Sizing of Harvest Equipment to Wheat Acreage in Kansas under Weather Uncertainty. *20th International Farm Management Congress Conference Proceedings*.
6. Whitacre, B.E., **T.B. Mark**, and T.W. Griffin. 2014. How Connected are Our Farms? *Choices*.

Case Studies and Non-Refereed Publications

1. Cessna, J., **T.B. Mark***, K. Burdine*, and E. Dohlman. 2017. The Effects of the Margin Protection Program for Dairy Producers. *Amber Waves*. February 6.
<https://www.ers.usda.gov/amber-waves/2017/januaryfebruary/historical-analysis-of-mpp-dairy-suggests-limited-impact-on-average-margins-but-considerable-potential-for-risk-reduction/>
2. Griffin, T.W., A. Sharda, **T.B. Mark**, G. Ibendahl, M. Buschermohle, L. Haag, and E. Barnes. 2015. Optimal Cotton Acreage Allocation for Machinery Complements under Weather Uncertainty. *2015 American Society of Agricultural and Biological Engineers Annual International Meeting*. doi:10.13031/aim.20152185015

Prior to current appointment

3. Darby, P.M., J.D. Detre, **T.B. Mark***, and M.E. Salassi. 2013. A Sugar Crossroad: Is Biomass an Opportunity or a Problem? *American Journal of Agricultural Economics*. DOI:10.1093/ajae/aas096.

Extension Publications

1. Richard, J.A.,** K.J. Bryant, **T.B. Mark**, and N.A. Slaton. 2018. Economic Optimum Potassium Rate for Soybean Production in Arkansas. *Arkansas Soil Fertility Studies 2017*. Editor: Nathan A. Slaton. March. <https://arkansas-ag-news.uark.edu/pdf/649.pdf>
2. Shockley, J., and **T.B. Mark**. 2017. Days Suitable for Fieldwork in Kentucky. Lexington, KY: University of Kentucky Agricultural Communications Services. AEC Extension 101. www.uky.edu/Ag/AgEcon/pubs/extSFW32.pdf.
3. Townsend, O.,** K. Burdine, and **T.B. Mark**. 2017. The History and Class Pricing of Federal Milk Marketing Orders. AEC 2017-13. September.
4. Townsend, O.,** K. Burdine, and **T.B. Mark**. 2017. The Unique Qualities of the Southern Milk Marketing Orders. AEC 2017-12. September.

Popular Press

1. Burdine, K. and **T.B. Mark**, 2016. Dairy Market Continues to Struggle. *Cow Country News*. December. (Published by multiple outlets)

- Burdine, K. and **T.B. Mark**. 2016. Dairy Market Continues to Struggle. *Dairy Notes*. UK Cooperative Extension. December. <https://afs.ca.uky.edu/content/dairy-market-continues-struggle> (Published by multiple outlets)

Quotes

- Nichols, Kristen. 2019. A New Day. *Marijuana Business Magazine*. Vol. 6. No. 3. March 2019. <https://mjbizmagazine.com/digital-issues/2019-03-Mar/>.
2019. The Elasticity of Organic. *Produce Business*. Vol. 35. No. 2. February 2019.
- Simpson, A. 2019. Farmers Hope for Hemp Riches Despite Risk. *Stateline of The PEW Charitable Trusts*. <https://www.pewtrusts.org/en/research-and-analysis/blogs/stateline/2019/02/27/farmers-hope-for-hemp-riches-despite-risks>. February.
- Griffiths, C. 2019. Three Potential Paths for Farming Hemp. *AgDay TV*. February. <https://www.agweb.com/article/three-potential-paths-for-farming-hemp/>.
- Kuiba, M. 2018. Hemp is a Legal Commodity. Now What? *AgDay TV*. December. <https://www.agweb.com/article/hemp-is-a-legal-commodity-now-what/>.
- Huso, D. 2018. Data Farms: Robots and artificial intelligence are being designed to take decision-making and labor out of farmers' hands. *Progressive Farmer*. July. http://dtnpf-digital.com/publication/?m=27946&l=1#{%22issue_id%22:507602,%22page%22:0}.
- Grimmett, B. 2018. It's Legal to Grow Hemp in Kansas, But it Won't Be Easy. *Kansas News Service*. July 2. <http://kcur.org/post/its-legal-grow-hemp-kansas-it-wont-be-easy#stream/0>.
- Hendrix, J. 2017. Hemp Happy Hour. <http://www.radiofreeamerica.com/show/hemp-happy-hour-lexington-community-radio>. April 25, 2017
- Haire, B. 2016. Hemp Production: Unknown Myths and Facts. Southeast Farm Press. <http://www.southeastfarmpress.com/tobacco/myths-and-facts-about-us-hemp-farming-today>. November 9, 2016.
- Erwin, N. 2016. Data Farming: How Big Data is Revolutionizing Big Ag. http://ohiovalleyresource.org/2016/09/16/data-farming-big-data-revolutionizing-big-ag/?utm_content=buffer74d93&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer. September 16, 2016.
- Dairy Herd Management. USDA Study Suggest Smaller Farmers go all in on Dairy MPP. <http://www.dairyherd.com/news/usda-market-reports/usda-study-suggests-smaller-farmers-go-all-dairy-mpp>. September 12, 2016.
- Stubbs, M. Big Data in U.S. Agriculture. *Congressional Research Service*. January 6, 2016.

Prior to current appointment

- Hightower, M. Behind the seeds and soil, economist help the rural bottom line. *Arkansas Land & Life*. 16(2). Fall/Winter 2011. <http://arkansasagnews.uark.edu/fall11.pdf>.
- Detre, J.D., B.M. Clark, **T.B. Mark***, J. Westra. 2011. How LSU Student Will Help Shape the Future of Louisiana Farmers Markets. *Louisiana Agriculture*.
- Viator, S., W. Alison, D. Harrell, K. Han, J. Griffin, D. Stephenson, J. Whatley, A. Hogan, M. Salassi, M. Deliberto and **T. Mark**. 2010. Production of Sweet Sorghum in Louisiana as a Biofuel Feedstock Crop. *Dept. of Ag. Econ. Staff Report #2010-03*. January.
- Mark, T.B.***, M.E. Salassi, and M.A. Deliberto. 2009. Developing an Economically Viable Cellulosic Ethanol Industry in Louisiana. *Louisiana Agriculture*.

12. Ditsch, D.C., J.T. Johns, S.G. Isaacs, **T.B. Mark**, and C.D. Lee. 2004. Grazing Corn: An Option for Extending the Grazing Season in Kentucky. *UK Cooperative Extension Service pub.* ID-152.

Staff Papers and Reports

1. Sewell, T.,** **T.B. Mark***, W. Snell, E. Rogers, and L. Nickell. 2017. 2016 KDA Hemp Pilot Project Survey Results. KDA Report. April.
2. **Mark, T.B.***, W. Snell, and E. Rogers. 2016. 2015 KDA Hemp Pilot Project Survey Results. KDA Report. May.

Prior to current appointment

3. Chapman, H., S. Adhikari, **T.B. Mark**, and A. Davari. 2013. Advanced Monitoring and Automation for a Safer Relationship between Miners and the Mining Environment. *Department of Applied Engineering and Technology, Morehead State University.* Concept Paper. March 15.
4. Boehlje, M., A. Gray and **T.B. Mark***. 2006. The Growth Potential for the Indiana Livestock Industries. *Department of Agricultural Economics, Purdue University.* Staff Paper #06-06, 2006.

PRESENTATIONS & POSTERS

(# denotes invited; *italics denotes presentation*; underline denotes poster)

International Professional and Peer Audiences

1. # *Marketing and Economics*. Hemp in Uruguay. Montevideo, Uruguay. December 2-6, 2017.
2. # *Performance Measure Selection is Not a Straight Forward Process*. Manchester, United Kingdom. November 1, 2017.
3. Mobile Broadband Coverage in the United States: Its Implications for Telematics and Big Data Adoption. European Precision Conference on Precision Agriculture. Edinburgh, Scotland. July 16-20, 2017.
4. *Educating producers on the profitability of precision agriculture technologies*. European Conference on Precision Agriculture Conference. Scotland. July 16-20, 2017.
5. *The sensitivity of economic gains from high-speed planting*. European Conference on Precision Agriculture Conference. Scotland. July 16-20, 2017.
6. *A Whole Farm Analysis of the Implications of Variable Maturity Groups on Harvest Logistics and Net Returns*. European Conference on Precision Agriculture Conference. Edinburgh, Scotland. July 16-20, 2017.
7. *Precision Dairy Herd Management, A Quantile Approach*. 21th International Farm Management Congress. Edinburgh, Scotland. July 2-7, 2017.
8. Mobile Broadband Coverage in the United States: Its Implications for Telematics and Big Data Adoption. 21th International Farm Management Congress Conference. Edinburgh, Scotland. July 2-7, 2017.
9. Efficiency Gains from the Adoption of Precision Dairy Monitoring Technologies: Concept Framework. Conference on Precision Dairy Farming. Leeuwarden, Netherlands. June 21-23, 2016.

10. *Optimal Sizing of Harvest Equipment to Wheat Acreage in Kansas under Weather Uncertainty*. 20th International Farm Management Congress. Quebec, Canada, July 12-17, 2015.

Prior to current appointment

11. Assessing the Impact of Direct Marketing in Overall Business Strategy: A Double Hurdle Approach. Annual International Food and Agribusiness Management Association Conference. Budapest, Hungary. June 20-23, 2009.

Domestic Professional and Peer Audiences

1. *Utilizing Farmland Sales Data as a Proxy for Estimating the Long-term Benefits of Cover Crops*. Southern Agricultural Economics Association Annual Meeting. Birmingham, AL. February 2-5, 2019.
2. *Udder Efficiency: A Panel Stochastic Efficiency Model of the Relationship between Somatic Cell Count and Dairy Farming Practices*. Southern Agricultural Economics Association Annual Meeting. Birmingham, AL. February 2-5, 2019.
3. *Simulated Risk Reduction Provided by New Farm Bill for Kentucky*. Southern Agricultural Economics Association Annual Meeting. Birmingham, AL. February 2-5, 2019.
4. *# The Coming Impact of Rural Broadband and Connectivity*. PrecisionAg Vision Conference. Seattle, WA. January 14-16, 2019.
5. *# Economics of Precision Agriculture*. University of Arizona Department of Agricultural & Resource Economics Seminar. Tucson, AZ. November 2, 2018.
6. *Culling to achieve reduced somatic cell counts: An economic analysis*. American Dairy Science Association Annual Meeting. Knoxville, TN. June 24-27, 2018.
7. *Estimating the dairy farm value of infectious or non-infectious lameness prevention strategies as influenced by pre-prevention hoof disease incidence rates and prevention effectiveness*. American Dairy Science Association Annual Meeting. Knoxville, TN. June 24-27, 2018.
8. Use of A Stochastic Model to Estimate Digital Dermatitis, Sole Ulcer, and White Line Disease Cost Per Case by Severity, Incidence Timing, and Parity Group in Dairy Cattle. American Dairy Science Association Annual Meeting. Knoxville, TN. June 24-27, 2018.
9. Multi-Year Financial Benefits of Risk Management for Corn and Soybean Farmers. Extension Risk Management Education National Conference. Milwaukee, WI. April 11-12, 2018.
10. Estimating Supply and Demand Functions of Saudi Arabian Wheat. Southern Agricultural Economics Association Annual Meeting. Jacksonville, FL. February 4-7, 2018.
11. Argentina...A Quest for its Return to International Prominence in Beef Production and Exports. Southern Agricultural Economics Association Annual Meeting. Jacksonville, FL. February 4-7, 2018.
12. *Potential Crop Rotation and Insurance Adoption Response to Changes in the Federal Crop Insurance Program*. Southern Agricultural Economics Association Annual Meeting. Jacksonville, FL. February 4-7, 2018.
13. *What is the Impact on Average Return and Risk from Possible Changes in the Crop Insurance Program?* Southern Agricultural Economics Association Annual Meeting. Jacksonville, FL. February 4-7, 2018.

14. *Who are Consuming Hemp Products in the U.S.? Evidence from Nielsen Homescan Data.* Southern Agricultural Economics Association Annual Meeting. Jacksonville, FL. February 4-7, 2018.
15. *Determinants of Food Corn Contract Volumes.* Southern Agricultural Economics Association Annual Meeting. Jacksonville, FL. February 4-7, 2018.
16. *Estimating the Productivity of Wheat Production: An Implication of Stochastic Frontier Production Function Model.* Southern Agricultural Economics Association Annual Meeting. Jacksonville, FL. February 4-7, 2018.
17. *# Investment Decisions, Analytical Capabilities, and Big Data Learning Curves: What's a Dairy Farmer to Do?* Penn State Dairy Nutrition Workshop ARPAS Luncheon. Grantsville PA. November 15, 2017.
18. *# Producers are Excited about Precision Dairy, But is the Technology Economical?" Penn State Dairy Nutrition Workshop.* Grantsville PA. November 15, 2017.
19. *# Farm-Level Economics of Hemp.* 24th Annual Conference of the Hemp Industries Association. Lexington, KY. September 9-11, 2017
20. *The Impact of Minimum Wage on Food Away from Home Expenditure Using Structural Equation Model.* Agricultural and Applied Economics Association." Chicago, IL. July 30-August 1, 2017.
21. *Re-Envisioning the Margin Protection Program.* Agricultural and Applied Economics Association Annual Meeting." Chicago, IL. July 30-August 1, 2017.
22. *Impact of UAV services on farmers' livelihood: Evidence from Benin in West Africa.* 53rd Annual Conference, Association for International Agriculture and Rural Development. Washington, DC. June 4-6, 2017.
23. *Applied Research and Extension in Precision Agriculture across the North Central Region for Crops and Livestock.* North Central Farm Management Committee. Manhattan, KS. May 17-19, 2017.
24. *Using Case Farms to Illustrate Risk Reduction Provided by Crop Insurance and Price Risk Tools for Western Kentucky Grain Farms.* 2016 Extension Risk Management Education National Conference. Fort Worth, TX. April 27-28, 2016.
25. *# Hemp... What Role Might This Crop Play in Kentucky?* University of Louisville Conn Center Seminar Series. Louisville, KY. February 17, 2017.
26. *Using Quantile Regression to Estimate Dairy Production Models.* Southern Agricultural Economics Association Annual Meeting. Mobile, AL February 4-7, 2017.
27. *Is Industrial Hemp for Seed, Fiber, and Grain Cost Competitive?* Southern Agricultural Economics Association Annual Meeting. Mobile, AL February 4-7, 2017.
28. *Real-Time Ultrasound Technology Influence on Replacement Heifer Sales Price.* Southern Agricultural Economics Association Annual Meeting. Mobile, AL February 4-7, 2017.
29. *Regional Implications of the Margin Protection Program for Dairy.* Southern Agricultural Economics Association Annual Meeting. Mobile, AL. February 4-7, 2017.
30. *Simulated Western Kentucky Grain Farm Cash Flows, Working Capital Erosion, and Evaluation of Risk Management Tools to Manage these Risks.* Southern Agricultural Economics Association Annual Meeting. Mobile, AL February 4-7, 2017.
31. *Diversions and the Role they play in Determining Order 7 Milk Price.* Southern Agricultural Economics Association Annual Meeting. Mobile, AL February 4-7, 2017.

32. *A Capital Investment Approach to Bred Heifer Valuation in an Expanding Cattle Market.* Southern Agricultural Economics Association Annual Meeting. Mobile, AL February 4-7, 2017.
33. *Incorporating New Crops into Traditional Crop Rotations and the Environmental Implications.* Southern Agricultural Economics Association Annual Meeting. Mobile, AL February 4-7, 2017.
34. *Determining the Optimal Decision to Store or Contract Sale Food-grade Corn, Field-grade Corn and Soybeans.* Southern Agricultural Economics Association Annual Meeting. Mobile, AL February 4-7, 2017.
35. Exploring New Marketing Opportunities from the Nonlinear Relationship between Income and Organic Food Expenditure. American Economic Association. Chicago, IL. January 6-8, 2017.
36. # *Where is the value?* 31st American Dairy Science Association Dairy Discovery Conference. “Big Data Dairy Management.” Chicago, IL. November 1-4, 2016.
37. # *Hemp...Is it a silver bullet?* 2016 Southern Outlook Conference. Atlanta, GA. September 26-28, 2016.
38. *Do Superfund Sites Affect Local Property Values? Evidence from a Spatial Hedonic Approach.* Agricultural and Applied Economics Association Annual Meeting.” Boston, MA. July 31-August 2, 2016.
39. *Teaching Financial Risk Management Utilizing Western Kentucky Case Study Grain Farms.* National Farm Business Management Conference. Sioux Falls, SD. June 12-16, 2016.
40. *Using Case Farms to Illustrate Risk Reduction Provided by Crop Insurance and Price Risk Tools for Western Kentucky Grain Farms.* Southern Extension Regional Activity (SERA-35). Vicksburg, MS. May 25-27, 2016.
41. *Investment Analysis of Automated Estrus Detection Technologies for New Zealand Grazing Herds.* National Conference on Undergraduate Research. Asheville, NC. April 7-9, 2016.
42. Combining Various Monitoring Technologies in Order to Maximize Decision-Making Capacity. Southern Agricultural Economics Association Annual Meeting. San Antonio, TX February 6-9, 2016.
43. A Capital Investment Approach to Bred Heifer Valuation in an Expanding Cattle Market. Southern Agricultural Economics Association Annual Meeting. San Antonio, TX February 6-9, 2016.
44. Where Is The Feedstock Going To Come From To Power A Sustainable Kentucky Bioeconomy? Southern Agricultural Economics Association Annual Meeting. San Antonio, TX February 6-9, 2016.
45. Measuring the Impacts of the Superfund Sites in Jefferson County, Kentucky by Using a Spatial Hedonic Model. Southern Agricultural Economics Association Annual Meeting. San Antonio, TX February 6-9, 2016.
46. How do US and Australian Beef Imports Impact the Hanwoo Beef Market in South Korea? Southern Agricultural Economics Association Annual Meeting. San Antonio, TX February 6-9, 2016.
47. *Defining the Barriers to Telematics for Precision Agriculture: Connectivity Supply and Demand.* Southern Agricultural Economics Association Annual Meeting. San Antonio, TX February 6-9, 2016.
48. *Optimal Cotton Acreage Allocation for Machinery Complements under Weather Uncertainty.* ASABE Annual International Meeting. New Orleans, LA, July 26-29, 2015.

49. *Can Non-Insured Crop Disaster Assistance Program (NAP) with Buyup Provide Sufficient Revenue Protection for Hay Producers?* Southern Extension Economics Committee Meeting. Tampa, FL. June 15-17, 2015.
50. Where Is The Feedstock Going To Come From To Power A Sustainable Kentucky Bioeconomy? KY EPSCOR Annual Conference, Lexington, KY, May 22, 2015.
51. *Making Farm Management Decisions Based on Global Weather Events.* American Society of Agricultural and Biological Engineers 1st Climate Change Symposium: Adaption and Mitigation. Chicago, IL, May 3-5, 2015.
52. *Will the New Dairy Margin Protection Program Reduce Risk for Dairies?* Southern Agricultural Economics Association Annual Meeting. Atlanta, GA February 1-3, 2015.
53. *Assessing the Value of Broadband Connectivity for Big Data and Telematics: Technical Efficiency.* Southern Agricultural Economics Association Annual Meeting. Atlanta, GA February 1-3, 2015.
54. *# How Should Global Weather Patterns Affect My Farm Level Decisions?* 18th Annual National Conservation Systems Cotton & Rice Conference. Baton Rouge, LA. January 14-16, 2015.
55. Economics of Producing Energy Cane as a Biofuel Feedstock in the Southern United States. USDA-NIFA AFRI Sustainable Bioenergy Annual Project Director Meeting. Arlington, VA. October 29-31, 2014.
56. How Do Global Weather Patterns Influence Days Suitable for Fieldwork? American Agricultural Economics Association. Minneapolis, MN. July 27-30, 2014.
57. *Value of Connectivity in Rural Areas: Case of Precision Agriculture Data.* 12th International Conference on Precision Agriculture. Sacramento, CA. July 20-23, 2014.
58. *Dairy Producer Margin Protection Program: Of Value to Southern Dairy Operations?* Southern Extension Economics Committee Meeting. Chattanooga, TN. June 9-11, 2014
59. *How do Global Weather Patterns Influence Days Suitable for Fieldwork.* Southern Extension Research Activity (SERA-35). Tillar, AR. May 21-23, 2014.
60. *Revisiting Days Suitable for Fieldwork Relative to Global Climate Cycles.* Southern Agricultural Economics Association Annual Meeting. Dallas, TX February 2-5, 2014.

Prior to current appointment

61. Farmer's Willingness to Grow Biomass: The Eastern Kentucky Case. Southern Agricultural Economics Association Annual Meeting. Orlando, FL. February 2-6, 2013.
62. *Eastern Kentucky Farmer's Willingness to Grow Biomass for Energy Production.* Southern Extension Research Activity (SERA-35). Vicksburg, MS. May 22-24, 2013.
63. *The Agribusiness Program at Morehead State University.* Southern Extension Research Activity (SERA-35). Farmerville LA. May 23-25, 2012.
64. *Spatial Econometric Approach to Yield Monitor Data Flow Delay and Evaluation of Existing Techniques for Automation.* American Society of Agricultural and Biological Engineers Annual Meeting. Louisville, KY. August 7-10, 2011.
65. *Predicting Days Suitable for Fieldwork Based on El Nino.* American Society of Agricultural and Biological Engineers Annual Meeting. Louisville, KY. August 7-10, 2011.
66. *Advanced Biofuel Production in Louisiana Sugar Mills: An Application of Real Options Valuation.* Agricultural and Applied Economics Association & Northeastern Agricultural and Resource Economics Association Joint Annual Meeting. Pittsburgh, PA. July 24-26, 2011.

67. *Expectations, Perceptions, and Requirements for Academic Tenure*. Agricultural and Applied Economics Association & Northeastern Agricultural and Resource Economics Association Joint Annual Meeting. Pittsburgh, PA. July 24-26, 2011.
68. *The Effect of US Energy Policy and Farm Program Payments on the Bio-Fuel Sector: A Regime-Switching Approach*. American Agricultural Economics Association. Denver, CO. July 25-27, 2010.
69. *Is a Ph.D. Right for Me?* Southern Agricultural Economics Association Annual Meeting. Orlando, FL. February 6-9, 2010.
70. *What does the introduction of energy crops mean for the crop mix and cellulosic ethanol plant location in Louisiana?* Southern Agricultural Economics Association Annual Meeting. Orlando, FL. February 6-9, 2010.
71. *Breaking into the Cellulosic Ethanol Market: Capacity and Storage Strategies*. Southern Agricultural Economics Association Annual Meeting. Orlando, FL. February 6-9, 2010.
72. *Production of Biomass in the Louisiana Sugarcane Belt: What would this mean for the Sugar Industry?* The Economics of Alternative Energy Sources and Globalization: The Road Ahead, Orlando, FL, November 15-17, 2009.
73. *Linkage between Direct Marketing and Farm Income: Double Hurdle Approach*. Agricultural & Applied Economics Association Annual Meeting. Milwaukee, WI. July 26-28, 2009.
74. *A Comparison of Pricing Strategies for Cellulosic Ethanol Processors*. Southern Extension Research Activity (SERA-35). Vicksburg, MS. May 27-29, 2009.
75. *Farm Operators Attitudes toward Farm Policy: A National Perspective*. Southern Agricultural Economics Association Annual Meeting. Atlanta, GA. February 1-3, 2009.
76. Understanding the Fresh Produce Shopping Habits of College Educated Millennials. Southern Agricultural Economics Association Annual Meeting. Atlanta, GA. February 1-3, 2009.
77. *Energy Cane Usage for Cellulosic Ethanol: Estimation of Feedstock Costs*. Southern Agricultural Economics Association Annual Meeting. Atlanta, GA. February 1-3, 2009.
78. *Expectations of Farm Policy: An Empirical Investigation*. NC-1014 Agricultural and Rural Finance Markets in Transition Annual Meeting. Kansas City, MO. September 25-26, 2008.
79. Assessing the Impacts of the Demand for Corn by the Ethanol Industry on Hog Production: Does Location Matter? American Agricultural Economics Association. Orlando, Florida. July 27-30, 2008.
80. Cellulosic Ethanol Production from Energy Cane: Estimation of Potential Feedstock Cost. Southern Agricultural Economics Association. Dallas, Texas. January 30, 2008.
81. *Growing the U.S. Livestock Economy: The Environmental (Phosphorus Assimilation) Challenge*. Challenges of Natural Resource Economics and Policy. New Orleans, LA. May 20-23, 2007.
82. *An Economic Evaluation of No-Till Burley Tobacco*. The 41st Tobacco Workers Conference. Nashville, TN. January. 22, 2004.

Commodity Group and Extension Audiences

1. # *Hemp Economics and Budgets*. 2019 Industrial Hemp Webinar University of Kentucky. Lexington, KY. February 12, 2019.
2. # *Hemp Economics*. 2018 Kentucky Hemp Industry Association Spring Conference. Lexington, KY. April 3, 2018.

3. Economical Potassium Use in Soybeans. Rohwer Research Station Agricultural Field Day. Rohwer, Arkansas. July 19, 2018.
4. Is Industrial Hemp for Seed, Fiber and Grain Cost Competitive? UK Hemp Field Day. Lexington, KY. September 9, 2017.
5. Economical Potassium Use in Soybeans. Rohwer Research Station Agricultural Field Day. Rohwer, Arkansas. July 20, 2017.
6. # *Data Collection Process, Analysis, and Implementation of Findings*. Workshop on Marketing Locally Grown Farm Commodities and Food Products. Bowling Green, KY. November 20, 2015.
7. # *KYCGA CORE Farm Program – Session 7: Family Farm Planning, Strategy, and Profitability*. Lexington, KY. February 19, 2015.
8. # *Hemp...Up in Smoke or ?* Kentucky Farm Managers and Rural Appraisers Winter Meeting. Louisville, KY. January 23, 2014.

Prior to current appointment

9. Farmer's Willingness to Grow Biomass: The Eastern Kentucky Case. Celebration of Student Scholarship. Morehead, KY. April 24, 2013.
10. Population Issues in the Current Equine Industry. Celebration of Student Scholarship. Morehead, KY. April 24, 2013.
11. # *Money Talks & Bioenergy Walks*. Maysville Farm & Family Night. Maysville, KY March 12, 2013.
12. # *Basic Grain Marketing*. Grain Production. Are you ready for the Future of Agriculture Series? Morehead, KY. February 25, 2013.
13. # *Marketing Strategies and Resources for the 21st Century*. Are you ready for the future of agriculture? Are you ready for the Future of Agriculture Series? Morehead, KY. February 19, 2013.
14. Developing a Biomass and Bioenergy Industry. Morehead State University & University of Kentucky Bioenergy Field Day. Brooksville, KY. October 17, 2012.
15. ASFMRA Summer Education Week (SEW) for Academic Members. American Society of Farm Managers and Rural Appraisers Summer Education Meeting. Des Moines, IA. July 15-18, 2012.
16. Real Time Ultrasound Body Measurement Impacts of Replacement Heifer Price: The Eastern Kentucky Case. A Celebration of Student Scholarship. Morehead, KY. April 25, 2012.
17. Kentucky's Potential for Wood Biofuel Production. Southern Agricultural Economics Association Annual Meeting. A Celebration of Student Scholarship. Morehead, KY. April 25, 2012.
18. Kentucky Bio-Energy Assessment Project. A Celebration of Student Scholarship. Morehead, KY. April 25, 2012.
19. Farmer's Willingness to Grow Biomass for Energy Production: The Kentucky Case. A Celebration of Student Scholarship. Morehead, KY. April 25, 2012
20. A Comparison of Pricing Strategies for Cellulosic Ethanol Processors: A Simulation Approach. International Biomass Conference and Expo. Denver, CO. April 16-19, 2012.
21. Real Time Ultrasound Body Measurement Impacts of Replacement Heifer Price: The Eastern Kentucky Case. Southern Agricultural Economics Association Annual Meeting. Birmingham, AL. February 4-7, 2012.

22. # *First Hand/First Year Panel*. 2011 New Faculty Orientation, Morehead, KY August 16, 2011.
23. Kentucky's Potential for Wood Biofuel Production. Southern Agricultural Economics Association Annual Meeting. Birmingham, AL. February 4-7, 2012. "Biomass Feedstock Cost and Impact of Biomass Production in Louisiana on the Domestic Sugar Market" Biofuels and Bioprocessing ACE Meeting. Baton Rouge, LA, December 16, 2009.
24. *Potential Growth of Indiana Livestock Industry*. Indiana Pork Board (Annual Meeting). West Lafayette, IN. November. 30, 2005.
25. *Potential Growth of Indiana Livestock Industry*. Indiana Livestock Alliance (Annual Meeting). Indianapolis, IN. November. 14, 2005.
26. *State of the State*. Indiana Extension Educator (IP-Video). West Lafayette, IN. November. 10, 2005.

Professional Meeting Symposia, Track Session, Workshops, and Conference Development

1. **Co-Organizer**, Precision Dairy Farming 2017. Lexington, KY. May 29 – June 1, 2017.
2. **Co-Organizer**, Farm Financial Ratios, Investment Analysis, and Risk Management. Vojvodina Extension Service, Novi Sad, Serbia. March 16-21, 2015. (24-hour workshop)
3. **Co-Organizer**, Farm Investment and Risk Management. Institute for Science Application in Agriculture, Belgrade, Serbia. April 21-25, 2014. (16-hour workshop plus additional meetings with Serbian Extension Specialists)

Prior to current appointment

4. **Co-Organizer**, Technology, Tools, and Apps to Manage Data Overload. American Society of Farm Managers and Rural Appraisers Summer Education Week. Omaha, NE. July 15, 2013. (8-hour workshop)
5. **Co-Organizer**, Grain Production. Sponsored by Maysville Kentucky Community and Technical College System, Southern States, and Morehead State University. February 25, 2013, Morehead, KY
6. **Co-Organizer**, Are you ready for the Future of Agriculture? Educational Series Sponsored by Farm Credit Mid-America, Maysville Kentucky Community and Technical College System, and Morehead State University. Each Tuesday, February 12 – March 5, 2013, Morehead, KY
7. **Co-Organizer**, Morehead State University & University of Kentucky Bioenergy Field Day, October 17, 2012, Brooksville, KY
8. **Co-Organizer**, Public Forum for Kentucky Agricultural Council, September 5, 2012, Morehead, KY
9. **Co-Organizer**, The Future of Energy in Eastern Kentucky...?, April 11, 2012, Morehead, KY.
10. **Co-Organizer and Presenter**, Determining the Right Graduate Degree for Me and Creating a Competitive Advantage when Entering the Job Market, Southern Agricultural Economics Association Annual Meeting. Orlando, FL. February 6-9, 2010.
11. **Co-Organizer**, Successfully Navigating the Tenure Process, Agricultural & Applied Economics Association Annual Meeting. Milwaukee, WI. July 26-28, 2009.

Referee Service

Journal of Environmental Management (1-2013)
Journal of ASFMRA (6-2013; 5-2014; 4-2015; 3-2016, 4-2017, 5-2018)
Journal of Agriculture and Applied Economics (1-2015, 1-2016, 2-2017, 2-2018, 1-2019)
International Food and Agribusiness Management Review (1-2015, 1-2018, 1-2019)
Journal of Cotton Science (1-2016)
University of Sydney (1-2016, 1-2017)
Southern Agricultural Economics Association (2015, 2016, 2017)
Agricultural & Applied Economics Association (2015, 2016, 2017)
Journal of Applied Farm Economics (1-2017, 1-2018)
Precision Agriculture (1-2017, 1-2018)
Agribusiness: an International Journal (1-2017)
Peanut Science (1-2018)
International Journal of Agricultural Management (1-2018)
Choices (1-2018)
Agronomy (1-2019)

RESEARCH GRANTS

Summary

Currently Funded: \$24,740,883 (Total); \$645,857 (Control or Shared Control)
In Review: \$3,600,000 (Total); \$291,600 (Control or Shared Control)
Completed: \$17,915,384 (Total); \$583,055 (Control or Shared Control)
Travel: \$1,500
Morehead State University Needs Funding: \$3,500
Unfunded: \$16,742,244

Grants Currently Funded: \$24,740,793 (Total); \$645,767 (Control or Shared Control)

Title of Project: Training Kentucky Farmers How to Implement an Integrated Crop Insurance, Price and Farm Program Risk Management Plan
Source of Support: United States Department of Agriculture - Risk Management Agency
Amount of Request: \$99,990 (Total); \$99,990 (Shared Control)
Effective and Expiration Dates: 10/15/2018 – 3/31/2020
Collaborators: Todd Davis (PI; UK), **Tyler Mark** (Co-I, UK), and Jonathan Shepherd (Co-I, UK)
Notes: Providing decision tool development support and presenting at trainings. Providing partial funding for one graduate student (Jonathan Shepherd).

Title of Project: Economics of K use in Rice
Source of Support: Fertilizer Tonnage Fees and Soil Test Review Board
Amount of Request: \$19,000 (Total); \$19,000 (Shared Control)
Effective and Expiration Dates: 3/01/2018 – 2/28/2020
Collaborators: Kelly Bryant (PI; UA-Monticello), Jessica Richard (Co-PI; OKState), Nathan Slaton (Co-I; UA-Monticello), and **Tyler Mark** (Co-I, UK)
Notes: Providing modeling and decision tool support.

Title of Project: Viability Assessment of Unmanned Aerial System (UAS) Services in Context of Smallholder Irrigated Rice Farming in Benin

Source of Support: Technical Centre for Agricultural and Rural Cooperation

Amount of Request: €20,000 (Total); €20,000 (Shared Control)

Effective and Expiration Dates: 04/01/2018 – 3/31/2019

Collaborators: Abdelaziz Lawani (PI, Global Partners) and **Tyler Mark** (Collaborator, UK)

Notes: Consultant on the project.

Title of Project: Production and Market Development for Grass-fed Beef in the Gulf Coast Region of the U.S.

Source of Support: USDA-AFRI

Amount of Request: \$49,893 (Total); \$49,893 (Shared Control)

Effective and Expiration Dates: 07/01/2017 – 12/31/2019

Collaborators: **Tyler Mark** (PI, UK) and Wuyang Hu (Co-I, UK)

Notes: Leading the subcontract from LSU and working with Dr. Hu on survey instrument development. One graduate student funded (Jonathan Shepherd).

Title of Project: Re-evaluation of the “Pallet” Housing Concept for Burley Tobacco

Source of Support: JTI

Amount of Request: \$30,000 (Total); \$30,000 (Shared Control)

Effective and Expiration Dates: 01/01/2017 – 5/31/2019

Collaborators: Robert Pearce (PI; UK), Larry Swetnam (Co-PI; UK), Will Snell (Co-PI; UK), and **Tyler Mark** (Co-I, UK)

Notes: Coordinating the economic components of the project with Dr. Snell.

Title of Project: Economics of K use in Soybeans

Source of Support: Fertilizer Tonnage Fees and Soil Test Review Board

Amount of Request: \$19,000 (Total); \$19,000 (Shared Control)

Effective and Expiration Dates: 3/01/2017 – 2/28/2019

Collaborators: Kelly Bryant (PI; UA-Monticello), Jessica Richard (Co-PI; UK), Nathan Slaton (Co-I; UA-Monticello), and **Tyler Mark** (Co-I, UK)

Notes: Providing modeling and decision tool support.

Title of Project: Powering the Kentucky Bioeconomy for a Sustainable Future

Source of Support: National Science Foundation (NSF) - EPSCoR

Amount of Request: \$24,000,000 (total), \$298,600 (Direct Control)

Effective and Expiration Dates: 08/01/2014 – 06/30/2019

Collaborators: Rodney Andrews (PI), YT Cheng (Co-PI), Seth Debolt (Co-PI), and Bruce Hinds (Co-PI) are the primary group leaders.

Notes: I am a Co-PI on the grant in charge of the economic components of the grant and work directly with Seth Debolt. I am also directing a Ph.D. student (GwanSeon Kim)

Title of Project: Development of CAN-Based Data Management and Decision Support System for Optimal Equipment and Harvest Timing from Grain Harvest to Storage

Source of Support: USDA, NIFA – Food Security Program

Amount of Request: \$500,000 (Total); \$106,374 (Direct Control)

Effective and Expiration Dates: 10/2015 – 09/2019

Collaborators: Michael Sama (PI), Michael Montross (Co-PI), Joseph Dvorak (Co-PI), Sam McNeill (Co-PI), **Tyler Mark** (Co-PI)

Notes: I am leading the development of the economic components. One graduate student funded that graduated in May 2018 (Ben Martin).

Grants in Review: \$3,600,000 (Total); \$291,600 (Control or Shared Control)

Title of Project: NRT: IN FELLOWS & An Academy of Innovators at the Nexus of Food, Energy & Water Systems

Source of Support: National Science Foundation Research Traineeship (NRT) Program

Amount of Request: 3,000,000 (Total); 72,000 (Shared Control)

Effective and Expiration Dates: 06/1/2019 – 05/30/2024,

Collaborators: Mark Crocker (PI: UKY), Eduardo Santillan-Jimenez (Co-PI: UKY), Carmen Agouridis (Co-PI: UKY), **Tyler Mark** (Co-PI: UKY), Isabel Escobar (Co-PI: UKY),

Christopher Barton (SP: UKY), Luke Moe (SP: UKY), James Landon (SP: UKY), Seth Debolt (SP: UKY), and Jacinda Dariotis (Evaluator: University of Cincinnati)

Notes: Leading the economic research component of this grant.

Title of Project: Agroecological and economic aspects of industrial hemp (*Cannabis sativa* L) production in diversified organic crop rotations

Source of Support: NIFA 1890 Capacity Building Grant

Amount of Request: \$600,000 (Total); \$219,600 (Shared Control)

Effective and Expiration Dates: 10/01/2018 – 9/30/2021,

Collaborators: Shawn Lucas (PI: KSU), **Tyler Mark** (Co-PI: UKY), and Mark Williams (Co-PI: UKY)

Notes: Leader of the economics pillar and UK sub-award.

Grants Completed \$17,906,009 (Total)

Title of Project: Herd Navigator & DeLaval BCS Testing

Source of Support: DeLaval

Amount of Request: \$111,252 (total), \$111,252 (Shared Control)

Effective and Expiration Dates: 01/01/2016 – 05/31/2018

Collaborators: Jeffrey Bewley (PI) and **Tyler Mark** (Co-I)

Notes: Provides funding for a student in Animal Science. I am working with them on the economic portion of the project.

Title of Project: Drones for precision agriculture: comparative evaluation of pesticide spraying drones and manual sprays

Source of Support: UK Student Sustainability Council

Amount of Request: \$6,000 (total), \$6,000 (Direct Control)

Effective and Expiration Dates: 01/15/2017 – 06/30/2017

Collaborators: Abdelaziz Lawani (PI), Ahmed Hussein (Co-PI), **Tyler Mark** (Advisor), and Leigh Maynard (Advisor).

Notes: Graduate student-led grant.

Title of Project: Drones for Developing Countries
Source of Support: UK Research Activity Award
Amount of Request: \$3,000 (total), \$3,000 (Direct Control)
Effective and Expiration Dates: 09/30/2016 – 06/30/2017
Collaborators: Abdelaziz Lawani (PI), Leigh Maynard (Co-I), and **Tyler Mark** (Co-I)
Notes: Provides funding for a pilot study to evaluate drone usage in developing countries for pesticide application. Abdel is the primary architect of this grant and is a Ph.D. student in the department.

Title of Project: A Regional Program for Production of Multiple Agricultural Feedstocks and Processing to Biofuels and Biobased Chemicals
Source of Support: USDA, AFRI – Sustainable Bioenergy Program
Amount of Request: \$17,200,000 (Total), \$75,000 (Direct Control)
Effective and Expiration Dates: 04/01/2011 – 07/30/2017
Collaborators: There are over 40 different collaborators, and a full list can be provided upon request.
Notes: Co-PI and 1 of 3 economists on the grant.
Website:
http://www.lsuagcenter.com/en/crops_livestock/crops/Bioenergy/biofuels_bioprocessing/subi/

Title of Project: A Study of the New Zealand Dairy Industry
Source of Support: Dairy New Zealand
Amount of Request: \$14,000 (Total); \$14,000 (Shared Control)
Effective and Expiration Dates: 06/01/2015 – 12/31/2015
Collaborators: Jeffery Bewley (Co-PI) and **Tyler Mark** (Co-PI)
Notes: I am providing support for the economic component and co-direct the undergraduate student. (Emory Thomas)

Title of Project: A Study of Herd Navigator Introduction into the US Market
Source of Support: DeLaval (<http://www.delaval.com/>)
Amount of Request: \$12,130 (Total); \$12,130 (Shared Control)
Effective and Expiration Dates: 10/01/2015 – 12/31/2015
Collaborators: Jeffery Bewley (PI) and **Tyler Mark** (Co-PI)
Notes: I am providing support for the economic component and co-directing a graduate student with the funding (Jessica Richard).

Title of Project: Assessing the Risk Reduction Impacts of the Dairy Producer Margin Protection Program: A simulation analysis
Source of Support: USDA-ERS Cooperative Agreement
Amount of Request: \$25,000 (Total)
Effective and Expiration Dates: 07/01/2014 – 06/30/2015
Collaborators: **Tyler Mark** (Co-PI) and Kenny Burdine (Co-PI)
Notes: This is a collaborative agreement with ERS and has two ERS co-authors.

Title of Project: Low-Cost Biomass Saccharification Process for Producing Biofuels

Source of Support: Kentucky Energy and Environment Cabinet Department of Energy Development and Independence
Amount of Request: \$179,002 (Total); \$21,673 (Direct Control)
Effective and Expiration Dates: 04/01/2013 – 05/31/2014
Collaborators: Bruce Pratt (PI), Eastern Kentucky University; Czar Crofcheck (Co-PI), University of Kentucky; **Tyler Mark** (Co-PI), University of Kentucky
Notes: Conduct and provide the economic analysis for the project. This project started while I was at Morehead State University, but was completed at the University of Kentucky.

Prior to my current appointment

Title of Project: Energy Development in Eastern Kentucky: Capacity and Opportunity
Source of Support: Morehead State University (Booth Foundation)
Amount of Request: \$100,000 (Total); \$50,000 (Direct Control)
Effective and Expiration Dates: 07/01/2013 – 06/30/2016
Collaborators: Jen O’Keefe, Morehead State University; Tim Hare, Morehead State University, Greg Copley, UK Center for Applied Energy Research; Rodney Andrews, UK Center for Applied Energy Research
Notes: Project was suspended upon my departure from Morehead State University.

Title of Project: New Faculty Start-Up
Source of Support: Center for Regional Engagement, Morehead State University
Amount of Request: \$15,000
Effective and Expiration Dates: 4/15/2011 – 4/14/2014
Collaborators: **Tyler Mark (PI)**

Title of Project: East Kentucky Bioenergy Assessment Project
Source of Support: Department of Energy
Amount of Request: \$250,000
Effective and Expiration Dates: 1/1/2010 – 2/28/2013
Collaborators: Michael J. Phillips (Co-PI), Mississippi State University and Michael Montross (Co-PI), University of Kentucky (These are the originators of the grant; however, Michael J. Phillips vacated his position at MSU before completion of the grant. I assumed his duties and completing the grant.)

Travel Grants Funded

Total: \$1,915

Morehead State University Needs Grants Funded

Total: \$3,500

Grants Submitted But Not Funded

Number of Grants Submitted: 34

Total: \$16,742,244

TEACHING EXPERIENCE

Courses Taught at the University of Kentucky

Dept. No.	Course Title	Credit Hours	Enrollment / Responded	Before Fall 2016 (4-point scale); After Fall 2016 (5-point scale)	
				Value of Course	Quality of Teaching
Fall 2018					
AEC 302-001	Agricultural Management	4	22/5	3.8	4.0
AEC 302-002	Agricultural Management	4	21/5	2.6	2.6
AEC 620-001	Advanced Production Economics	3	5/0	N/A	N/A
Spring 2018					
AEC 300-002	International Agribusiness Argentina	3	16/6	4.80	4.5
Fall 2017					
AEC 302-001	Agricultural Management	4	24/12	4.3	4.3
AEC 302-002	Agricultural Management	4	22/8	3.8	4.1
AEC 620-001	Advanced Production Economics	3	8/6	4.7	4.5
Spring 2017					
AEC 300-002	International Agribusiness Argentina	3	16	4.80	5.00
Fall 2016					
AEC 302-001	Agricultural Management	4	30/11	3.73	4.18
AEC 302-002	Agricultural Management	4	29/9	3.33	3.56
AEC 620-001	Advanced Production Economics	3	12/9	4.67	4.44
Spring 2016					
AEC 300-005	International Agribusiness Argentina	3	17/6	3.67	4.00
Fall 2015					
AEC 302-001	Agricultural Management	4	27/9	3.11	3.11
AEC 302-002	Agricultural Management	4	29/14	2.43	2.36
Spring 2015					
AEC 441G	Agricultural Financial Management	3	15/12	3.42	3.50
Fall 2014					
AEC 620	Advanced Production Economics	3	3/1	4.0	4.0

Courses Taught at Morehead State University

At Morehead State University teaching evaluations are conducted on two classes per semester. The evaluations were conducted using the Individual Development and Educational Assessment (IDEA) system. More information on this system can be found at (www.ideaedu.org).

Dept. No.	Course Title	Credit Hours	Enrollment	Teaching Load	IDEA Scores (5-point scale)			
					PRO ¹	OET ²	OEC ³	SE ⁴
Fall 2013								
AGR 204-001	World Food	3	58	3				
AGR 301-001	Farm Management	3	54	3	3.6	3.4	3.2	3.5
AGR 303-001	Land Economics	3	34	3	4.0	3.9	3.9	4.0
AGR 305-001	Marketing of Farm Products	3	15	3				
Spring 2013								
AGR 185-200**	Current Food and Energy Issues	3	24	3				
AGR 204-001	World Food	3	50	3	3.9	4.2	3.7	4.0
AGR 302-001	Agricultural Finance	3	30	3	4.5	4.4	4.4	4.5
AGR 405-001	Farm Business Analysis	3	11	2.4				
AGR 405L-001	Farm Business Analysis Lab	0	11	1.45				
AGR 499C	Senior Seminar	3	2	0				
AGR 605-001	Farm Business Analysis	3	3	0				
AGR 605L-001	Farm Business Analysis Lab	0	3	0				
Fall 2012								
AGR 204-001	World Food	3	41	3	3.6	3.4	3.2	3.5
AGR 301-001	Farm Management	3	52	3	4.3	4.4	4.4	4.4
AGR 305-001	Marketing of Farm Product	3	16	3				
AGR 386-001	Agricultural Policy	3	23	3				

Summer I 2012								
AGR 185-301*	Current Food and Energy Issues	3	7	3				
AGR 204-301*	World Food	3	15	3				
Spring 2012				12.85				
AGR 185-200**	Current Food and Energy Issues	3	23	3				
AGR 204-001	World Food	3	47	3	4.1	4.6	4.4	4.3
AGR 385-001	Agribusiness Management	3	22	3	4.2	4.3	4.2	4.3
AGR 405-001	Farm Business Analysis	3	8	2.4				
AGR 405L-001	Farm Business Analysis Lab	0	8	1.45				
Fall 2011				12				
AGR 185-001	Current Food and Energy Issues	3	24	3	4.0	4.3	4.2	4.2
AGR 204-001	World Food	3	42	3				
AGR 301-001	Farm Management	3	42	3	3.7	4.0	3.6	3.8
AGR 302-001	Agricultural Finance	3	25	3				
Summer II 2011				3				
AGR 204-301*	World Food	3	16	3				
Summer I 2011				3				
AGR 204-301*	World Food	3	6	3				
Spring 2011				9				
AGR 299-200**	Current Food and Energy Issues	3	10	3	4.7	3.9	3.8	4.3
AGR 299-204**	Current Food and Energy Issues	0	1	0				
AGR 299-207**	Current Food and Energy Issues	0	5	0				
AGR 303-001	Land Economics	3	21	3				
AGR 305-001	Marketing of Farm Products	3	27	3	3.6	4.2	3.7	3.8
Fall 2010				13.70				
AGR 204-001	World Food	3	32	3	3.8	4.3	3.6	3.9
AGR 204-002	World Food	3	37	3				
AGR 261-001	Information Acquisition & Analysis	3	24	2.4				
AGR 261L-001	Information Acquisition & Analysis	0	22	1.45				
AGR 261-002	Information Acquisition & Analysis	3	20	2.4	4.6	4.5	4.6	4.6
AGR 261L-002	Information Acquisition & Analysis	0	22	1.45				

¹Progress on relevant objectives, ²Overall excellence of teacher, ³Overall excellence, of course, ⁴Summary evaluation, * Delivered via online; ** Delivered via iTV,

Courses Developed

International Agribusiness Argentina, AEC 300 (Co-Developer with Todd Davis)

Department of Agricultural Economics, *University of Kentucky*

(Approved Fall 2015)

Prior to current appointment

Current Food and Energy Issues, AGR 185

Department of Agricultural Sciences, *Morehead State University*

(Approved Fall 2010)

Other Instructional Activities

Guest Lecture, *Issues in Agriculture, Food, and Environment*, Title: “Energy and Environment.” GEN 100, University of Kentucky, Lexington, KY. October 1, 2018.

Guest Lecture, *The Economics of Food and Agriculture*, Title: “Production Economics.” Department of Agricultural Economics, University of Kentucky, Lexington, KY. October 16, 2018.

Guest Lecture, *The Economics of Food and Agriculture*, Title: “Production Economics.” Department of Agricultural Economics, University of Kentucky, Lexington, KY. October 10, 2017.

Guest Lecture, *Farm Management*, Title: “Farm Managers, Records, and ASFMRA.”
Department of Agricultural Sciences, Western Kentucky University, Bowling Green, KY.
April 12, 2017.

Guest Lecture, *Farm Management*, Title: “Farm Managers, Records, and ASFMRA.”
Department of Agricultural Sciences, Western Kentucky University, Bowling Green, KY.
April 20, 2016.

Guest Lecture, *Farm Management*, Title: “Farm Managers, Records, and ASFMRA.”
Department of Agricultural Sciences, Western Kentucky University, Bowling Green, KY.
April 10, 2015.

Prior to current appointment

Guest Lecture, *Orientation to Agriculture*, AGR 101, Department of Agricultural Sciences,
Morehead State University (Fall 2010, Spring 2012, Fall 2013)

STUDENT ACTIVITIES

(Students Department) and [Employment upon Graduation]

Ph.D. Dissertation

Chair or Co-Chair

Jonathan Shepherd (Agricultural Economics), September 2018-Present

Derek Nolan (Animal and Food Science), February 2018-Present

GwanSeon Kim (Agricultural Economics), January 2015-Present

Committee Member

Scott Hall (Agricultural Economics), August 2017-Present

Mahdi Asgari (Agricultural Economics), January 2018-June 2018, *The Impact of biofuel Policies on Overshooting of Agricultural Prices*.

Aaron Turner (Biosystems and Agricultural Engineering), January 2017-December 2018,
Development of a Decision Support System for Capacity Planning from Grain Harvest to Storage, [Clemson University, Assistant Professor]

Karmella Dolecheck (Animal Science), June 2015-May 2018, *Dairy Cattle Hoof Disease Costs and Considerations for Prevention*, [Zoetis]

Bo Chen (Agricultural Economics), February 2016-May 2017, *Essays on Organic Food Marketing in the U.S.*, [Huazhong Agricultural University]

Elizabeth Eckelkamp (Animal Science), August 2015-December 2017, *On-Farm Utilization of Precision Dairy Monitoring, Usefulness, Accuracy, and Affordability*, [University of Tennessee, Assistant Professor]

Mitchell Richmond (Plant and Soil Science), June 2015-May 2018, *Chemical Topping Burley Tobacco*, [Canadian Tobacco Research Foundation]

Outside Member

Kiho Jun (Management), July 2018, *Boundary Spanning and Leadership Perceptions in Creative Organizations Evidence from Four Orchestras*.

Masters Thesis

Chair or Co-Chair

- Alex Swartz (Agricultural Economics), January 2018-Present, Chair
- Amanda Conley (Agricultural Economics), August 2015-Present, Co-Chair
- Ahmed Hussein (Agricultural Economics), November 2016-Present, Chair
- Jerzy Jaromczyk (Agricultural Economics), January 2017-Present, Co-Chair, “Suspended program for job at Cornell”
- Ben Martin (Agricultural Economics), January 2016-May 2018, Chair, *Two Essays on Whole Farm Modeling and Crop Marketing in Western Kentucky*, [Fall Line Capital]
- Thomas Sewell (Agricultural Economics), January 2016-May 2017
- Madeline Dant (Agricultural Economics), January 2016-May 2017, *An Analysis of Factors Impacting Hay Auction Prices and the Potential for NAP to Reduce Alfalfa Risk*, [Diversified Services]
- Jessica Richard (Agricultural Economics), August 2015-December 2017, *The Margin Protection Plan for Dairy: a Forecast and Ad Hoc Regional Analysis*, [Oklahoma State University Ph.D.]
- Owen Townsend (Agricultural Economics), January 2016-May 2017, *The History of the Federal Milk Marketing System and an Analytical View of Unique Qualities Effects on Milk Prices in the Southeast*.
- Markus Lang (Agricultural Economics), August 2014-December 2016, *Plan B Non-Thesis Option*, Chair

Committee Member

- Shelby Wade (Agricultural Economics), August 2017-May 2019, *Two Essays in Fertilizer Management for Improved Profitability*
- Robert Ellis (Agricultural Economics), August 2017-Present
- Sattam Almodarra (Agricultural Economics), February 2017-May 2017, *Investment for Trade? Impact of Investment from Gulf Cooperation Council Countries on Trade*
- Jiaji Liang (Agricultural Economics), November 2015-December 2015, *Wine Company Analysis in “The New World” and “The Old World.”*

Prior to current appointment

- Austin Jacobs (Agricultural Science), August 2011-May 2013, *Eastern Kentucky Farmers Willingness to Produce Biomass Energy*, [Mississippi State University, Ph.D.]

Undergraduate Internships or Research Directed or Co-Directed at UK

- Josey Moore, Summer 2018, [Consolidated Grain and Barge]
- Eric Schwenke, Fall 2017, [Pre and Post-Harvest Marketing Strategies Research]
- Cori Green, Fall 2017, [Paul Moore Appraisal]
- Joseph Gifford, Spring 2017, [Forrester Financial]
- Cori Green, Summer 2016, [Whitetail Sales & Service]
- Jacob Mattingly, Summer 2016, [AgriGold]
- Lauren Nickell, Summer 2015 & Summer 2016, [Archer Daniels Midland]
- Greg Miracle, Summer 2015, [Paul Moore Appraisal]
- Emory Thomas, Summer 2015, [DairyNZ]

Todd Hodges, Summer and Fall 2015, [Grain Storage Research]

Undergraduate Research Fellows Directed at Morehead State University

Tanner Utterback, June 2013-December 2013
Shawn Tyler Moore, September 2012-May 2013
Clayton Wilson, September 2012-May 2013
Isaac Singer, February 2011-May 2012
Amir Ahmadi, August 2011- May 2012
Kelsey Culp, September 2011- December 2011
Carter Mobley, September 2011- May 2012
Blake Sims, September 2011-December 2011
Andrew Sorrell, September 2011- December 2011
Kyle Bush, September 2011- December 2011
Kayla Kelly, September 2011- May 2012
Keith Centers, September 2011- December 2011

Student Organizations

Advisor, FarmHouse Fraternity, Fall 2014-Spring 2018

Prior to current appointment

Advisor, Morehead Christian Student Fellowship, Fall 2012-Spring 2013

Advisor, MSU Energy Club, Fall 2011-May 2012

Co-Advisor, Agricultural Ambassadors, Spring 2011-December 2013

Undergraduate Advising

Spring 2019	10
Fall 2018:	6
Spring 2018:	13
Fall 2017:	12
Spring 2017:	18
Fall 2016:	16
Spring 2016:	12
Fall 2015:	14
Spring 2015:	11
Fall 2014:	1
Spring 2014:	0

Prior to current appointment

Fall 2013:	60
Spring 2013:	59
Fall 2012:	72
Spring 2012:	65
Fall 2011:	53
Spring 2011:	30

Fall 2010: 0

Educational Trips

Organizer, Summer Education Week with ASFMRA 2016, Des Moines, IA, June 22 – July 2, 2016. 2 students (1 from UK, and 1 from WKU [1 was a faculty member]). Secured \$1,100 sponsorship for a trip from Kentucky Farm Managers and Rural Appraisers.

Organizer, Summer Education Week with ASFMRA 2015, Omaha, NE, July 18-21, 2015. 4 students (1 from UK, 2 from WKU [1 was a faculty member], and 1 from Morehead State University). Secured \$1,100 sponsorship for a trip from Kentucky Farm Managers and Rural Appraisers.

Co-Organizer, UK Graduate Student Tour of Western Kentucky, June 11-12, 2015.

Organizer, Summer Education Week with ASFMRA 2014, Des Moines, IA, July 12-15, 2014. 6 students (4 from UK and 2 from WKU [1 was a faculty member]). Secured \$900 sponsorship for a trip from Kentucky Farm Managers and Rural Appraisers.

Co-Organizer, UK Graduate Student Tour of Eastern Kentucky, June 12-13, 2014.

Prior to current appointment

Organizer, Summer Education Week with ASFMRA 2013, Omaha, NE, July 13-16, 2013. 4 students (2 from UK and 2 from MSU). Secured \$1000 sponsorship for a trip from Kentucky Farm Managers and Rural Appraisers.

Organizer, Summer Education Week with ASFMRA 2012, Des Moines, IA, July 15-18, 2012. 3 students (1 from MSU and 2 from UK). Secured \$1000 sponsorship for a trip from Kentucky Farm Managers and Rural Appraisers.

Organizer, Summer Education Week with ASFMRA 2011, Omaha, NE, July 9-12, 2011. 6 students (2 from UK and 4 from MSU). Secured \$1000 sponsorship for a trip from Kentucky Farm Managers and Rural Appraisers.

UNIVERSITY ACTIVITIES

University of Kentucky

Role	Committee	Dates
<i>Departmental Committees</i>		
Member	Opportunity Fund Application Review	November 2018-Present
Chair	Production/Resource Search Committee	October 2018-Present
Member	Undergraduate	Spring 2014-August 2017
Member	Graduate and Grad Admissions	August 2017-Present

Morehead State University

Role	Committee	Dates
<i>Departmental Committees</i>		
Member	Farm	Fall 2010-Fall 2013

Member	Scholarship	Fall 2010-Fall 2013
Member	Curriculum	Fall 2010-Summer 2011
Chair	Curriculum	Spring 2011-Fall 2013
Member	Social	Spring 2011-Fall 2012
Co-Chair	Unit Development Officer	Spring 2011-Fall 2011
Member	Faculty Evaluation Plan	Spring 2012-Fall 2012
Member	Animal Science Instructor Search Committee	Spring 2011
Member	Horticulture Supervisor Search Committee	Summer 2012
Member	Department of Agricultural Science Department Head Search Committee	Spring 2011- Spring 2013
<i>College Committees</i>		
Member	Honors	Fall 2010-Spring 2012
Member	Graduate Curriculum	Spring 2012-Fall 2013
<i>University Committees</i>		
Member	Student Success Faculty & Professional Staff Group (SB1)	Spring 2011-Fall 2011
Member	Vice-President of University of University College Search Committee	Spring 2012
Member	Graduate Recruitment	Spring 2013-Fall 2013

HATCH MULTISTATE

1. Impact Analyses and Decision Strategies for Agricultural Research (NC1034), *Pending*
2. Industrial Hemp Production, Processing and Marketing in the U.S. (S_TEMP 3662), Co-Author, *Pending*

PROFESSIONAL ORGANIZATIONS

International/National

International Society of Precision Agriculture, February 2014- Present

- Member

Agricultural & Applied Economics Association, February 2007-Present

- Member
- Task Force on Mentoring and Young Professional Development Member (August 2011-May 2012)
- Section Leader for the Student Section (July 2012-July 2016)

Southern Agricultural Economics Association, October 2006-Present

- Member
- Poster Committee Chair 2019

Delta States Farm Managers (SERA35), May 2007-Present

- Attendee

American Society of Farm Managers and Rural Appraisers, November 2009-Present

- Executive Council, Academic Vice President (October 2018-Present)
- Member, Governmental Relations Committee (January 2017-Present)
- Member, Sponsorship Committee (January 2015-January 2016)
- Academic Member, Editorial Board Member (August 2010-Present)
- Management/Consulting/Accrediting (August 2011-August 2014)

Center for Natural Resource Economics & Policy, May 2006-August 2010

- Alumni Member

State

Kentucky Farm Managers and Rural Appraisers, August 2010-Present

Academic Member (August 2010-Present)

College Vice-President (October 2010-Present)

Kentucky Agricultural Council, January 2011-December 2013

- Taskforce Member

Kentucky Agricultural Leadership Program, January 2012-December 2013

- Board Member

LEADERSHIP & OTHER ACTIVITIES

Continuing Education & Leadership Training

Completed Course, Project Management Professional Exam Facilitated Study, University of Louisville Professional Development, 36 Professional Development hours, 8/7/18-10/23/18.

Completed Workshop, Grant Writing Workshop. July 23-24, 2018. Knoxville, TN.

Completed Course, Project Management Practical Application, University of Louisville Professional Development, 36 Professional Development hours, 6/18/18-7/26/18.

Completed Course, Fundamentals of Project Management, University of Louisville Professional Development, 12 Professional Development hours, 6/4/18-6/14/18.

Prior to current appointment

2013-2014 MSU President's Leadership Academy, The President's Leadership Academy was established in 2006 at Morehead State University to provide quality professional development experiences to nominated and selected faculty, staff and administrators exhibiting the potential for effective leadership. Participants are provided opportunities to increase their awareness of the complexity of issues facing the University and postsecondary education. Class members are challenged to expand their understanding of the environment in which University decisions are made.

<http://www.moreheadstate.edu/pla/>

2013 National Science Foundation, "Science: Becoming the Messenger," March 5, 2013.

Louisville, KY. *Participant:*

http://www.nsf.gov/events/event_summ.jsp?cntn_id=126648

2012 Project Kaleidoscope (PKAL) Summer Leadership Institute, “Advancing what works in STEM education.” July 31 – August 5 in Crestone, CO. *Selected Participant:* I was one of 40 attendees from across the US and Canada selected to attend. Designed for early and mid-career STEM faculty with the objective of providing attendees with key insights into their leadership strengths and how to leverage them while becoming change agents for improving STEM education on their campuses.

2012 AAEA Mentoring Program, AAEA Annual Meeting in Seattle, WA, August 11-15. *Selected Participant:* I was one of 12 selected to participate in this inaugural class. This is an attempt to put together a more formal mentoring program for the entire organization and is a yearlong process culminating with an ending session at the 2013 AAEA Annual Meeting.

Award Nominations

Nominated for the Ken Freedman Outstanding Faculty Advisor Award. January 2017, University of Kentucky

Nominated for the Ken Freedman Outstanding Faculty Advisor Award. February 2016, University of Kentucky

Community Service

Deacon, Gateway Christian Church, Mount Sterling, KY; January 2012 – December 2016

Member, Montgomery County Cattlemen’s Association; February 2011 – Present

Member, Montgomery County FFA Chenault Fund; January 2001 – Present

Consulting

Mark, T.B., “Enhancing the Student-Faculty Engagement in Professional and Pedagogical Opportunities through Teaching, Research, and Outreach Activities.” Consulting Project and I am serving as an outside reviewer for this Capacity Building Grant for Non-Land Grant Colleges of Agriculture. The PI of this grant is J Dominique Gumirakiza at Western Kentucky University, March 2015-March 2019.

Other Activities

2013 Governors Scholar Program, “Agribusiness and Biotechnology Focus Group” The Governor’s Scholars Program is a summer residential program for outstanding high school students in Kentucky who are rising seniors. The Program originated in 1983 as a result of Kentucky leaders’ concern that the state’s “best and brightest” were leaving the Commonwealth to pursue educational and career opportunities elsewhere without fully understanding the potential of their talents at home.

2011 Kentucky Farm Bureau Farmer of the Year Judge, Morehead State University; August 2011. *Invited Judge:* I was one of three judges invited to help select the Farmer of the Year for Kentucky who will then go on to compete in the National competition.

2011 Bioenergy Tour, Morehead State University, May 3-5, 2011. *Invited Participant:* One of the several invited participants to attend a Bioenergy Tour sponsored by the Governor’s Office of Agricultural Policy and Secretary of Energy & Environment Cabinet.

COMPUTER SKILLS

Modeling and Statistical Packages

- ArcMap, STATA, GeoDa, Yield Editor, SIMETAR, MSBG

Class Delivery Systems

- BlackBoard, iTV, Canvas, Google Drive