

L. Lanier Nalley
Curriculum Vitae
March 2018

Department of Agricultural Economics and Agribusiness
225 AGRI. Building
University of Arkansas
Fayetteville, Arkansas 72701
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E-mail: llalley@uark.edu
Date of Birth: November 17, 1978

Education

- Ph.D.** December 2007
Agricultural Economics, Kansas State University
Dissertation title: The Genetic and Economic Impacts of the International Maize and Wheat Improvement Center's (CIMMYT) Wheat Breeding Program
- M.S.** May 2004
Agricultural Economics, Mississippi State University
Thesis title: Credence Attributes, Consumer Valuation, and Endowment Effects in Auctions: The Case of Sweet Potatoes.
- B.S.** June 2002
Agricultural and Developmental Economics, The Ohio State University.
Minors: Development Studies; European History

Experience

Professional Employment

- 2018-Present**, Professor, Department of Agricultural Economics and Agribusiness,
University of Arkansas
- 2013- 2018**, Associate Professor, Department of Agricultural Economics and Agribusiness,
University of Arkansas
- 2008- 2013**, Assistant Professor, Department of Agricultural Economics and Agribusiness,
University of Arkansas
- 2004-2007**, Graduate Research Assistant, and Graduate Teaching Assistant, Department of
Agricultural Economics, Kansas State University
- 2003-2004**, Graduate Research Assistant, Department of Agricultural Economics, Mississippi
State University.

International Experience

Summer Session: 2012; 2013; 2014; 2015; 2016. New Horizons Poultry Operation Nampula, Mozambique. Led a study program in which students worked on a fully integrated poultry operation. Students learned interdependencies between the world's food, population, and equitability/poverty problems. The students drafted and submitted a best management practices

for New Horizons.

May -June 2011 International Rice Research Institute (IRRI). Los Banos, The Philippines. Rice research to production course. Three week course as a holistic view of rice research including genetic, agronomic, economic, weed science, and transgenic research.

May - August 2006 International Maize and Wheat Improvement Center (CIMMYT). Targeting and Assessment Division. El Batan, Mexico. Application of empirical data to forecast growth in Asian maize trade. Analyzed factors affecting adoption of wheat varieties in Africa and Asia.

May - July 2005 Keta, Ghana. Helped survey small women's cooperatives on ways to expedite microfinance opportunities.

Spring 2001 Ohio State University Study Abroad Program, Chinese Academy of Agricultural Science (CAAS), Beijing, China. Classes dealing with growth and water issues within China.

Publications

Refereed Journal Articles (62)

Tsiboe, F., L. Nalley, B. Dixon, K. Brye, A. Shew, J. Tack and A. Barkley. Estimating Spatial Differences in Methane Emissions to Identify Sustainable Rice Sources. *Agronomy Journal*. 110:611-620 (2018). [doi:10.2134/agronj2017.11.0637](https://doi.org/10.2134/agronj2017.11.0637)

Shew, A., D. Danforth, L. Nalley, B. Dixon and R. Nayga. New Innovations in Agricultural Biotech: Consumer Acceptance of Topical RNAi in Rice Production. *Food Control*. 2017 Volume 81: 189-195. doi.org/10.1016/j.foodcont.2017.05.047

Tsiboe, F. L. Nalley, B. Dixon, D. Danforth, A. Dewaide and R. Nayga. Ghanaian Consumers' Attitudes toward Cisgenic Rice: Are all Genetically Modified Rice the Same? *Ghana Journal of Development Studies*. 2017. Vol. 14, No. 1 pp.215-235. doi.org/10.4314/gjds.v14i1.1

Tsiboe, F., L. Nalley, A. Durand, G. Thoma and A. Shew. The Economic and Environmental Benefits of Sheath Blight Resistance in Rice. *Journal of Agricultural and Resource Economics*. 2017. 42(2):215–235.

Nalley, L., F. Tsiboe, A. Durand-Morat, A. Shew and G. Thoma. Economic and Environmental Impact of Rice Blast Pathogen (*Magnaporthe oryzae*) Alleviation in the United States. *Public Library of Science (PLoS ONE)*. 2016. <http://dx.doi.org/10.1371/journal.pone.0167295>

Nalley, L., J. Tack, A. Durand, G. Thoma, F. Tsiboe, A. Shew and A. Barkley. The Production, Consumption and Environmental Impacts of Rice Hybridization in the USA. *Agronomy Journal*, Vol. 109(1) 109:193–20, 3 2017. [doi:10.2134/agronj2016.05.0281](https://doi.org/10.2134/agronj2016.05.0281)

- Dlamini, T., L. Nalley, F. Tsiboe, A. Barkley and A. Shew. The Economic Impact of the South African Agricultural Research Council's Dry Beans Breeding Program. *Journal of Agricultural and Applied Economics*. 2017 pp. 1–19. [doi: 10.1017/aae.2016.46](https://doi.org/10.1017/aae.2016.46).
- Tsiboe, F. and Nalley, L. Effect of Biotic and Abiotic Stress on Household Cocoa Yields in Ghana. *African Journal of Agricultural and Resource Economics*. 11(3):239-248, 2016.
- Brye, K., L. Nalley, J. Tack, B. Dixon, C. Rogers, A. Smith, A. Barkley and K. Jagadish. Factors Affecting Methane Emissions from Rice Production in the Lower Mississippi River Valley, USA. *Geoderma Regional*. Vol. 7(1):223-229, 2016. doi.org/10.1016/j.geodrs.2016.04.005
- Akaichi, F., R. Nayga and L. Nalley. Are there Trade-offs in Valuation with Respect to Greenhouse Gas Emissions, Origin and Food Miles Attributes? *European Review of Agricultural Economics*. (1):1-29. 2016 [doi: 10.1093/erae/jbw008](https://doi.org/10.1093/erae/jbw008)
- Nalley, L., J. Tack, A. Barkley, K. Jagadish and K. Brye. 2016 Quantifying the Agronomic and Economic Performance of Hybrid and Conventional Rice Varieties. *Agronomy Journal*. 108:1-10. 2016 [doi:10.2134/agronj2015.0526](https://doi.org/10.2134/agronj2015.0526)
- Bheemanahalli, R., R. Sathishraj, J. Tack, L. Nalley, R. Muthurajan and K. Jagadish. Temperature Thresholds for Spikelet Sterility and Associated Warming Impacts for Sub-Tropical Rice. *Agricultural and Forest Meteorology* 2016, pp. 122-130
DOI: [10.1016/j.agrformet.2016.02.003](https://doi.org/10.1016/j.agrformet.2016.02.003)
- Nalley, L., B. Dixon, J. Tack, A. Barkley and K. Jagadish. Optimal Harvest Moisture Content for Maximizing Mid-South Rice Milling Yields and Returns. 2016. *Agronomy Journal* 108:701–712 (2016) [doi:10.2134/agronj2015.0408](https://doi.org/10.2134/agronj2015.0408)
- McKinley, J., L. Nalley, R. Asare, B. Dixon, J. Popp and M. D'haese. Managing Risk in Cocoa Production: Assessing the Potential of Climate-Smart Crop Insurance in Ghana. 2016. *Journal of International Agricultural Trade and Development*. Volume 10(1): 53-79. ISSN: [1556-8520](https://doi.org/10.1016/j.jiat.2016.02.003)
- Tack, J., A. Barkley, T. Rife, J. Poland and L. Nalley. Quantifying Variety-specific Heat Resistance and the Potential for Adaptation to Climate Change. 2016. *Global Change Biology*. DOI: [10.1111/gcb.13163](https://doi.org/10.1111/gcb.13163)
- Tsiboe, F., B. Dixon, L. Nalley, J. Popp and J. Luckstead. Estimating the Impact of Farmer Field Schools in Sub-Saharan Africa: The Case of Cocoa. 2016. *Agricultural Economics*. 47(2016): 1-11. DOI: [10.1111/agec.12233](https://doi.org/10.1111/agec.12233)
- Smith, A., M. Popp, D. Keeton, C. West, K. Coffey, L. Nalley and K. Brye. Economic and Greenhouse Gas Emission Response to Pasture Species Composition, Stocking Rate, and Weaning Age by Calving Season, Farm Size, and Pasture Fertility. *Agricultural and Resource Economics Review*. 2016. Vol 45(1):98 - 123 [doi: 10.1017/age.2016.11](https://doi.org/10.1017/age.2016.11)
- Shew A., L. Nalley, D. Danforth, B. Dixon, R. Nayga, A. Delwaide and B. Valent. Are all GMOs the Same? Consumer Acceptance of Cisgenic Rice in India. *Plant Biotechnology Journal*, 14: 4-7. 2015 , [doi: 10.1111/pbi.12442](https://doi.org/10.1111/pbi.12442)

- Tack, J., A. Barkley and L. Nalley. The Effect of Warming Temperatures on U.S. Wheat Yields. *Proceedings of the National Academy of Sciences (PNAS)*. 2015.
[doi:10.1073/pnas.1415181112](https://doi.org/10.1073/pnas.1415181112)
- Delwaide, A., L. Nalley, B. Dixon, D. Danforth, R. Nayga, E. Van Loo and W. Verbeke. Revisiting GMOs: Are There Differences in European Consumers' Acceptance and Valuation for Cisgenically vs Transgenically Bred Rice? 2015. *Public Library of Science (PLOS ONE)* [doi: 10.1371/journal.pone.0126060](https://doi.org/10.1371/journal.pone.0126060)
- Tack, J., A. Barkley and L. Nalley. Estimating Yield Gaps with Limited Data: An Application to United States Wheat. 2015. *The American Journal of Agricultural Economics*. [doi: 10.1093/ajae/aau157](https://doi.org/10.1093/ajae/aau157)
- Nalley, L., B. Lindquist, K. Kovacs and M. Anders. Agronomy Journal. The Economic Viability of Alternative Wetting and Drying Irrigation in Arkansas Rice Production. *Agronomy Journal*. Vol. 107 No. 2, p. 579-587. [doi:10.2134/agronj14.0468](https://doi.org/10.2134/agronj14.0468)
- Tack, J., R. Singh, L. Nalley, B. Viraktamath, S. Krishnamurthy, N. Lyman and K. Jagdish. High vapor pressure deficit drives salt-stress induced rice yield losses in India. *Global Change Biology* December 2014 [doi: 10.1111/gcb.12803](https://doi.org/10.1111/gcb.12803)
- Linguist, B., M. Anders, M. Adviento-Borbe, R. Chaney, L. Nalley, E. da Rosa and C. van Kessel. Reducing Greenhouse Gas Emissions, Water Use and Grain Arsenic Levels in Rice Systems. *Global Change Biology*. Vol 21(1):407–417. 2015.
[DOI: 10.1111/gcb.12701](https://doi.org/10.1111/gcb.12701)
- Tack, J., A. Barkley and L. Nalley. Heterogeneous Effects of Warming and Drought on Selected Wheat Variety Yields. *Climatic Change* August 2014, Volume 125, Issue 3-4, pp 489-500 [doi:10.1007/s10584-014-1185-1](https://doi.org/10.1007/s10584-014-1185-1)
- Nalley, L., B. Dixon, K. Brye, C. Rogers, H. Myrteza and R. Norman. Estimating cultivar effects on water usage and greenhouse gas emissions in Arkansas rice production: a methodology using standard cultivar trial data. *Agronomy Journal* 2014 106: 6: 1981-1992 [doi:10.2134/agronj14.0120](https://doi.org/10.2134/agronj14.0120)
- Barkley, A., J. Tack, L. Nalley, J. Bertold, A. Fritz and R. Bowden. Weather, Disease, and Wheat Breeding Effects on Kansas Wheat Varietal Yields, 1985-2011. *Agronomy Journal*. Volume 106(2014):227-235. [doi:10.2134/agronj2013.0388](https://doi.org/10.2134/agronj2013.0388)
- Norton, M., L. Nalley, B. Dixon and J. Popp. Cost-Benefit Analysis of Farmer Training Schools: The Case of Ghanaian Cocoa. *Journal of International Agricultural Trade and Development*. Vol 9(1). 2013. ISSN: [1556-8520](https://doi.org/10.1556-8520)
- Lyman, N., J. Krishna, L. Nalley, B. Dixon and T. Siebenmorgen. Neglecting rice milling yield and quality underestimates economic losses from high-temperature stress. *Public Library of Science (PLOS ONE)*, August 2013.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0072157>

- Mahrizal, M., L. Nalley, B. Dixon, and J. Popp. An Optimal, Phased Replanting Approach for Cocoa Trees with Application to Ghana. *Agricultural Economics*. Vol45(3):291-302. 2013. [DOI: 10.1111/agec.12065](https://doi.org/10.1111/agec.12065)
- Nalley, L., M. Popp and Z. Niederman. Imbedded Seed Technology and Greenhouse Gas Emissions Reductions: A Meta-Analysis. *Journal of Agricultural and Applied Economics*. 45, 3(2013).
- Lyman, N. and L. Nalley. Economic Analysis of Hybrid Rice Performance in Arkansas. *Agronomy Journal*. 105(4):1-12. 2013. [doi:10.2134/agronj2012.0461](https://doi.org/10.2134/agronj2012.0461)
- Nalley, L., M. Popp, Z. Niederman and J. Thompson. Greenhouse Gas Emissions Labeling for Produce: The Case of Biotech and Conventional Sweet Corn. *Journal of Food Distribution and Research*. 43(3): 43-60. 2013
- Leh, M., M. Matlock, E. Cummings and L. Nalley. Quantifying and Mapping Multiple Ecosystem Services Change in West Africa. *Agriculture, Ecosystems and Environment*. 165(2013): 6-18.
- Nalley, L., Z. Niederman, D. Danforth and T. Teague. A Scan Level Cotton Carbon Life Cycle Assessment: Has Bio-Tech Reduced the Carbon Emissions from Cotton Production in the USA? *Journal of Cotton Science* 17(2013): 1-9.
- McFadden, B., L. Nalley and M. Popp. How Greenhouse Gas Emission Policy and Industry Pressure Could Affect Producer Selection of Rice Cultivars. *Agricultural and Resource Economics Review* 42(2):1-13. 2013
- Mahrizal, M., L. Nalley, B. Dixon, and J. Popp. Necessary Price Premiums to Incentivize Ghanaian Organic Cocoa Production: A Phased, Orchard Management Approach. *HORTSCIENCE* 47(11):1-8. 2012.
- Lyman, N. and L. Nalley. Incentivizing Net GHG Emissions Reductions in Rice Production: The Case of Arkansas Rice. *Journal of Agricultural and Applied Economics*. 45, 1(2013): 171-185.
- Smith, A., M. Popp, L. Nalley, and K. Brye. Modeling Pine as a Carbon Sequestering Crop in Arkansas. *Agricultural and Resource Economics Review* 41/2 (August 2012) 232-246
- Nalley, L., M. Popp, Z. Niederman, K. Brye and M. Matlock. How Potential Carbon Policies Could Affect Cotton Location and Production Practices in the United States. *Agricultural and Resource Economics Review* 41/2 (August 2012) 215-231
- Popp, M. and L. Nalley. Modeling Interactions of a Carbon Offset Policy and Biomass Markets on Crop Allocation. *Journal of Agricultural and Applied Economics*, Volume 43, 3(2011):399-411. 2011.
- Popp, M., L. Nalley, K. Brye, and A. Smith. A Life Cycle Approach to Estimating Net Carbon Emissions and Agricultural Response to Potential Carbon Offset Policies. *Agronomy Journal*. Volume 103(4): 1132-1143. 2011.

- Nalley, L. and A. McKenzie. How much is that Exam Grade Really Worth: An Estimation of Student Risk Aversion to Their Unknown Final College Course Grades. *Journal of Economic Education* 42(4):12-24. 2011.
- Nalley, L., K. Moldenhauer, and N. Lyman. The Genetic and Economic Impact of the University of Arkansas's Rice Breeding Program: 1983-2007. *Journal of Agricultural and Applied Economics*. Volume 43, 1(2011): 1-12.
- Nalley, L., M. Popp, and C. Fortin. The Impact of Reducing Green House Gas Emissions in Crop Agriculture: A Spatial and Production Level Analysis. *Agricultural and Resource Economics Review* Volume 40(1):63-80. 2011.
- Barkley, A., L. Nalley, and P. Garay. Welfare Analysis of Commodity Price Shocks on Wheat and Maize in Mexico. *Revista Mexicana de Agronegocios*. Quinta Época. Volume 29 (2011):646-659.
- Nalley, L. and A. Barkley. Using Portfolio Theory to Enhance Wheat Yield Stability in Low-Income Nations: An Application in Yaqui Valley of Northwestern Mexico. *Journal of Agricultural and Resource Economics*, 35(2):334-347, 2010.
- Nalley, L., A. Barkley and A. Featherstone. The Genetic and Economic Impact of the CIMMYT Wheat Breeding Program on Local Producers in the Yaqui Valley, Sonora Mexico. *Agricultural Economics*. 41(2010): 453-462
- Popp, M., L. Nalley, and G. Vickery. Irrigation Restriction and Biomass Market Interactions: The Case of the Alluvial Aquifer. *Journal of Agricultural and Applied Economics*. Volume 42, 1(2010): 69-86.
- Harri, A., L. Nalley, and D. Hudson. The Relationship Oil, Exchange Rates, and Commodity Prices. *Journal of Agricultural and Applied Economics*. Volume 41,2(2009): 501-510.
- Nalley, L., A. Barkley, B. Watkins, and J. Hignight. Enhancing Farm Profitability through Portfolio Analysis: The Case of Spatial Rice Variety Selection. *Journal of Agricultural and Applied Economics*. Volume 41,3(2009):641-52.
- Nalley, L., A. Barkley, and K. Sayre. Photothermal Quotient Specifications to Improve Wheat Cultivar Yield Component Models. *The Agronomy Journal*. Volume 101, Issue 3 (2009): 1-8.
- Nalley, L. and D. Hudson. A Two-Step Auction in the Presence of Negative Values. *Journal of Food Distribution Research*. Volume 40(2009): 47-56.
- Nalley, L., A. Barkley, J. Crespi, and K. Sayre. The Impact of the CIMMYT Wheat Breeding Program: An Economic Welfare Analysis. *Journal of International Agricultural Trade and Development*. Volume 5 (2008): 11-16.
- Nalley, L. and A. Barkley. The Impact of the Kansas Wheat Breeding Program on Wheat Yields, 1911-2005. *Journal of Agricultural and Applied Economics*. Volume 40(December 2008):913-925.

- Hendricks, N. and L. Nalley. Who Benefits from Global Agricultural Trade Liberalization? The Case of Wheat and Maize. *Journal of International Agricultural Trade and Development*. Volume 4 (2008): 1-16.
- Nalley, L., and D. Hudson. Consistency of Consumer Valuation under Different Information Sets: An Experimental Auction with Sweet Potatoes. *Journal of Food Distribution Research*. Volume 30(2006):56-67.
- Herring, J., J. Martin, D. Hudson, L. Nalley, and R. Rogers. Consumer Acceptance of 'Farm-Raised' Pre-Cooked Roast Beef. *Journal of Food Quality*. 30(2007): 403-412.
- Dixon, J., L. Nalley, P. Kosina, P. Aquino, R. la Rovere and J. Hellin. Adoption and Economic Impact of Improved Wheat Varieties in the Developing World. *Journal of Agricultural Science, Centenary Review* (2006), 144, pp. 489-502.
- Nalley, L. and A. Barkley. Political Freedom, Economic Freedom, and Prosperity: International Trade Policy as a Measure of Economic Research. *Journal of Private Enterprise*. Volume XXI (2006):123-141.
- Nalley, L., and D. Hudson. Endowment Heterogeneity in Experimental Auctions. *Applied Economics Letters*. Volume 12, Issue 1(2005):59-63.
- Nalley, L., D. Hudson, R. Rogers, J. Marting, and J. Herring. In Store Evaluation of Consumer Willingness to Pay for 'Farm Raised' Pre-Cooked Roast Beef. *Journal of Agribusiness*, Volume 22(2004): 163-173.

Book Chapters:

- K. McKenzie, X. Sha, K. Mouldenhauer, S. Lindscome, N. Lyman and L. Nalley. "Rice" in *Yield Gains in Major U.S. Field Crops*. Soil Science Society of America, Inc. Madison Wisconsin USA. 2014.
- John Dixon, L. Nalley, and J. Hellin. Asian Maize Trade and Value Chains: the Unfolding Transformation. In *Maize in Asia: Changing Markets and Incentives*. New Delhi, India: Academic Foundation Press. 2008.

Proceedings Papers:

- Nalley, L. and A. Delwaide. Potential for Consumer Acceptance and Economics of Blast Control through Cisgenic Rice. *Proceedings of the Thirty-Fifth Rice Technical Working Group (RTWG)*. 2015.
- Popp, M., L. Nalley, G. Vickery. Changes in the Farm Landscape with the Introduction of a Biomass Market. *Farm Foundation, Environmental and Rural Development Impacts*. 2008.

Informational and Technical Bulletins (13):

- Tsiboe, F., L. Nalley, K. Brye, B. Dixon and A. Shew. The Economics of Methane Emissions in Arkansas Rice Production. *B.R. Wells Arkansas Rice Research Studies* (2015): 456-467. Agricultural Experiment Station, Fayetteville, Arkansas. 2016.
- Anders, M., B. Watkins, L. Nalley, T. Siebenmorgen and K. Brye. Growing Rice With Less Water. In *B.R. Wells Rice Research Studies 2011*. Arkansas Agricultural Experiment Station, Fayetteville, Arkansas. 2011.
- Barkley, A., J. Tack, L. Nalley, J. Bergtold, R. Bowden and A. Fritz. The Impact of Climate, Disease, and Wheat Breeding on Wheat Variety Yields in Kansas, 1985-2011. Kansas State University Agricultural Experiment Station and Cooperative Extension Service Research Bulletin 665. August, 2013.
- Watkins, M. and L. Nalley. The Evolution of Rural Farming in the Scottish Highlands and the Arkansas Delta: Investments and Inequalities. Paper published in *University of Arkansas Discovery*. 13(Fall):95-102. 2012.
- Nalley, L. and M. Popp. How Government Policies and Consumer Pressure for Reduced Greenhouse Gas Emissions in US Cotton Could Affect How and Where Cotton is Produced. 2011 Egyptian Cotton Arbitration and Testing General Organization Annual Report.
- Nalley, L., M. Popp, and K. Brye. GHG Emissions and Sequestration Estimates of Arkansas Cotton. *Summaries of Arkansas Cotton Research. Research Series* (582): 199-204. September, 2010.
- Nalley, L. and F. Lee. The Genetic and Economic Impact of Improved Blast Resistance in Arkansas Rice Varieties. In *B.R. Wells Rice Research Studies 2009*. Arkansas Agricultural Experiment Station, Fayetteville, Arkansas. 2010.
- Nalley, L. and M. Popp. How the Depletion of the Alluvial Aquifer will affect Cropping Patterns of Both Conventional and Biomass Crops in the Arkansas Delta. *Arkansas Farm Management and Marketing Newsletter*. Volume 17, No.1 March 2009.
- Nalley, L., G. Vickery, and M. Popp. Will Biomass Markets affect Arkansas Crop and Livestock Agriculture? Some Preliminary Numbers. *Arkansas Farm Management Newsletter*. Volume 16, No.3 September 2008.
- Dixon, J., J. Hellin, O. Erenstien, P. Kosina, and L. Nalley. Innovation Systems and Impact Pathways for Wheat. In *International Symposium on Wheat Yield Potential: Challenges to International Wheat Breeding*. Mexico, D.F.: CIMMYT. 2008
- Nalley, L., A. Barkley, and F. Chumley. The Agronomic and Economic Impacts of the Kansas Agricultural Experiment Station Wheat Breeding Program, 1977-2005. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. Report of Progress 948. 2006

Nalley, L. and D. Hudson. The Potential Viability of Biomass Ethanol as a Renewable Fuel Source: A Discussion. Department of Agricultural Economics, Mississippi State University, Staff Report 2003-003, August 2003.

Nalley, L. and D. Hudson. Credence Attributes, Consumer Valuation, and Endowment Effects in Auctions: The Case of Sweet Potatoes. Mississippi Agricultural and Forestry Experiment Station (MAFES). Bulletin 1142. May 2005.

GRANT ACTIVITIES

Title: The Economic Benefits of the University Of Arkansas Division Of Agriculture's Rice Breeding Program

Agency: University of Arkansas Agricultural Experiment Station

Date: 2017-2018

Amount: \$15,376

Responsibility: Co-Pi with Aaron Shew

Title: Novel Strategies for Managing Blast Diseases on Rice and Wheat

Agency: USDA AFRI

Date: 2012-2017

Amount: \$5,500,000

Responsibility: Investigator

Title: The Economics of Methane Emissions in Arkansas Rice Production

Agency: The Arkansas Rice Research and Promotion Board

Date: 2015-2016

Amount: \$15,000

Responsibility: Co-PI

Title: International Education-Mozambique

Agency: University of Arkansas

Date: 2012-2013

Amount: \$7,000

Responsibility: Co-PI

Title: Are Consumers Willing-To-Pay for Greenhouse Gas Reducing Rice Cultivars in Arkansas?

Agency: USDA, Federal-State Marketing Improvement Program (FSMIP)

Date: 2011

Amount: \$60,660.

Responsibility: Co-PI with Rudy Nayga

Title: Rice Research to Production

Agency: National Science Foundation

Date: 2011

Amount: \$1,600

Title: Estimating the Carbon Footprint of Conventional and Biotech Sweet Corn

Agency: Monsanto

Date: 2010.

Amount: \$78,000.

Responsibility: Co-PI with Mike Popp

Title: Integrating Soil and Plant Monitoring to Improve Soil and Water Conservation for Sustainable Cotton Production.

Agency: Cotton Incorporated

Date: 2010.

Amount: \$60,000.

Responsibility: Co-PI with Tina Teague

Title: Quantifying Greenhouse Gas Emissions from Post Harvest Rice Processing.

Agency: Institute of Food Science and Engineering, University of Arkansas

Date: 2010.

Amount: \$22,500.

Responsibility: Principal Investigator with Terry Siebenmorgen

Title: Quantifying the Environmental Impacts of Improved Cocoa Production in West Africa.

Agency: The World Cocoa Foundation/The Bill and Melinda Gates Foundation

Date: 2009-2013

Amount: \$125,000

Responsibility: Principal Investigator

Title: Sequestration and Emissions LCA for County Level Cotton Production in the US.

Agency: Cotton Incorporated

Date: 2009.

Amount: \$15,000.

Responsibility: Principal Investigator.

Title: A Toxicology Analysis of the US Cotton Industry

Agency: Cotton Incorporated

Date: 2009.

Amount: \$30,000.

Responsibility: Principal Investigator with Marty Matlock.

Title: Economics of the Use of Improved Blast Resistant Varieties.

Agency: Arkansas Rice Board

Date: 2009.

Amount: \$16,533.

Responsibility: Principal Investigator with Fleet Lee.

Title: Evaluation of Greenhouse Gas Emissions from US Cotton Production Practices.

Agency: Cotton Incorporated.

Date: 2008.

Amount: \$30,000.

Responsibility: Principal Investigator with Marty Matlock.

Title: Feedstock Production Economics

Agency: Department of Energy

Date: 2008.

Amount: \$22,000

Responsibility: Principal Investigator with Mike Popp and Brad Watkins.

Invited Professional Papers and Presentations (45):

- Nalley, L. Evaluating Agricultural Research in Africa. Invited Presentation the Department of Agricultural Economics, Extension and Rural Development at the University of Pretoria. Pretoria, South Africa, March 8, 2018.
- Nalley, L. GMOs and Food Security in Africa: Part of the Problem or Part of the Solution. Invited Presentation to the Faculty of Agriculture at the University of Swaziland. Luyengo, Swaziland, March 6, 2018.
- Nalley, L., J. Tack & A. Shew. Hybrid vs Conventional in Mid-South US Rice Production: An Agronomic and Economic Evaluation. Invited presentation at the International Hybrid Rice Symposium in Yogyakarta, Indonesia, February 27-March 1st, 2018.
- Shew, A., A. Durand-Morat, W. Putman, L. Nalley and A. Ghosh. Estimating Global Food Security Impacts from Hybrid and HYV Rice Adoption in Bangladesh. Invited presentation at the International Hybrid Rice Symposium in Yogyakarta, Indonesia, February 27-March 1st, 2018.
- Shew, A., L. Nalley, B. Dixon and R. Nayga. Consumer acceptance of CRISPR rice. Invited lecture to the Department of Food and Resource Economics, Korea University. Seoul, Korea. October 16th, 2017.
- Shew, A.M., L. Nalley, D. Danforth, R. Nayga, Jr., B. Dixon, F. Tsiboe. Demand-side Analysis of the Viability of Topical RNAi Insecticide in Food Production. Invited lecture at the EU-iPLANTA Cost Action WG4 Meeting: Benefits and Costs Associated with using RNAi Technologies. Milan, Italy, October 18-19th, 2017.
- Nalley, L. Endogenous Growth in Agriculture through Technology Parks. Invited Seminar to the University of Swaziland Agricultural College. Mbabane, Swaziland. May 17, 2017.
- Nalley, L. The Economic Benefits of the South African ARC Wheat Breeding Program. Invited Seminar to the South African Agricultural Research Council. Pretoria, South Africa. May 24, 2017.
- Nalley, L. Investing in the Agricultural Sector: Low Risks and High Returns. Invited seminar at the Swaziland Economic Policy Analysis and Research Centre (SEPARC). Mbabane, Swaziland. August 9 2016.
- Nalley, L. Economic Valuation of Agricultural Research. Invited seminar at the invited seminar at the South African Agricultural Research Council (ARC). Pretoria, South Africa. August 10, 2016.
- Shew, A., L. Nalley, B. Dixon, D. Danforth and R. Nayga. Consumer Acceptance of Cisgenic Rice in India. Invited seminar at the International Rice Research Institute (IRRI). Los Banos, The Philippines. March 21, 2016.

- Nalley, L. "Rice Production Practices in Light of Climate Change and Potential GHG Policies. Invited presentation at the Southern Agricultural Economics Association Annual Meetings San Antonio, Texas. February 6-9, 2016.
- Nalley, L. and A. Barkley. Economic Returns of Public Rice Breeding. Invited seminar at the South African Agricultural Research Council (ARC). Pretoria, South Africa. January 14, 2016.
- Nalley, L. The Viability of Alternative Wet Dry (AWD) Irrigation in Rice Production in the Mid-South of the USA. Invited seminar at the South African Agricultural Research Council (ARC). Pretoria, South Africa. January 14, 2016.
- Shew, A., F. Tsiboe, B. L. Dixon, L. Nalley, D. Danforth, R. Nayga, A. Delwaide. Consumer Acceptance of Cisgenically Bred Rice: An International Comparison. 2015 Conference on Global System Risk in Food, Energy and Finance. Korea University, October 27-November 1, 2015, Seoul, South Korea.
- Nalley, L. The Economic Viability of Alternative Wet Dry (AWD) Irrigation in Rice Production in the Mid-South. Invited paper presented to the Ag and Bioengineering Department at Mississippi State University, Starkville, Mississippi. April 16, 2015.
- Nalley, L. Keeping up with the Dynamics of Agricultural Sustainability. Presentation given at the SmartRice conference. Baton Rouge, Louisiana. January 14, 2015.
- Nalley, L., B. Dixon, J. Popp, M. Norton and Mahrizal. A Cost-Benefit Analysis of the Cocoa Livelihoods Program: The Case of Ghana. Invited Seminar at Mississippi State University, Department of Agricultural Economics. Starkville, Mississippi. April 11, 2014 .
- Delwaide, A., D. Danforth, L. Nalley, B. Dixon, R. Nayga, V. Verbeek and E. Van Loo. Are all GMO's the Same: European Acceptance of Cisgenic Breeding. Invited paper presentation at the Rice Technical Working Group Meeting. February 18-21, 2014. New Orleans, Louisiana.
- Nalley, L. and M. Popp. Imbedded Seed Technology and Greenhouse Gas Emissions Reductions: A Meta-Analysis. Invited paper presented to the Southern Agricultural Economics Association Annual Meetings February 3-6, 2013. Orlando, Florida
- Nalley, L. and A. McKenzie. How much is that Exam Grade Really Worth: An Estimation of Student Risk Aversion to Their Unknown Final College Course Grades. Invited Seminar at Mississippi State University, Department of Agricultural Economics. Starkville, Mississippi. September 14, 2012.
- Nalley, L. and A. Barkley. Using Portfolio Theory to Enhance Yield Stability and Food Security in Low-Income Nations. Invited Seminar at Mississippi State University, Department of Agricultural Economics. Starkville, Mississippi. September 16, 2011.
- Nalley, L. A Cocoa Life Cycle Assessment. Invited Presentation at the 2011 World Cocoa Foundation Technical Planning Meeting. Abidjan, Côte d'Ivoire. September 9, 2011.

- Popp, M., L. Nalley, Z. Niederman, and J. Thompson. GHG Analysis of Sweet Corn. Invited Presentation at Monsanto Vegetable Seeds Advisory Council. Detroit, Michigan May 18, 2011.
- Lyman, N., L. Nalley, B. McFadden, and M. Popp. Establishing a Carbon Footprint for Rice Varieties in Arkansas. Invited Presentation to the University of Arkansas Division of Agriculture's Rice Processing Program. Fayetteville, Arkansas May 25-26, 2011.
- Nalley, L., A. Barkley, and K. Sayre. The Genetic Advancements in the CIMMYT Wheat Breeding Program. Invited presentation to the Department of Agricultural Economics at Oklahoma State University. Stillwater, Oklahoma. March 4, 2011
- Popp, M. and L. Nalley. Modeling Interactions of a Carbon Offset Policy and Biomass Markets on Crop Allocations. Invited Paper presented at the 2010 Southern Agricultural Economics Association Annual Meeting, Corpus Christi, Texas. February 5-8, 2011
- Norman, D., L. Nalley, and P. Mahrizal. Technology and Policy in Indonesian Sustainable Agricultural Development. Invited Seminar at the Indonesia-USA Partnership Agricultural Technology and Investment Forum. Jakarta, Indonesia, 6th-7th October, 2010.
- Popp, M. and L. Nalley. Biofuels: Selected Topics – Irrigation Water and Logistics. Invited lecture for Intensive Program on Sustainable Utilization of Renewable Resources in Graz, Austria, July 14, 2010.
- Nalley, L., M. Popp, and K. Brye. A Life Cycle Approach to Estimating Net Carbon Emissions and Agricultural Response to Potential Carbon Offset Policies. Invited Seminar Mississippi State University, Department of Agricultural Economics. September 9, 2010. Starkville, Mississippi.
- Nalley, L., Z. Niederman, and M. Matlock. Quantifying GHG Emissions and Carbon Sequestration in 358 Cotton Producing Counties in the United States. Invited presentation at the Cotton Incorporated Sustainability Meeting. Judd Hill, Arkansas. February 23, 2010.
- Popp, M. and L. Nalley. Arkansas Agriculture under Various Irrigation Restriction Scenarios. Invited presentation at the L'Oreal Carbon Neutral Biomass Project. Little Rock, Arkansas. January 27, 2010.
- Nalley, L., M. Popp, and Z. Niederman. Political Pressure and Industry Mandates: Why Agricultural Sustainability is not just a Fad. Invited Seminar at the Rice Outlook Conference. New Orleans, Louisiana. December 9th- 11th, 2009.
- Nalley, L., Z. Niederman, K. Brye, and M. Matlock. Quantifying Cotton Carbon Emissions and Sequestration: An Easy Question with a Complex Answer. Invited Seminar at the College of Agriculture and Technology at Arkansas State University. Jonesboro, Arkansas. December 3, 2009.
- Nalley, L., Z. Niederman, K. Brye, and M. Matlock. Establishing a Methodology for Net Carbon Emissions in Cotton Production in the United States. Invited Seminar at Cotton Incorporated. Cary, North Carolina. August 17, 2009.

- Nalley, L., Z. Niederman, M. Popp, and M. Matlock. Establishing Value in a Carbon Counting World: How Carbon Could Effect US Agricultural Production. Invited Seminar at the Texas Agricultural Cooperative Council (TACC) annual meetings. Ruidoso, New Mexico. July -8-10, 2009.
- Nalley, L. and M. Popp. How Potential Carbon Policies Could Alter Cropping Patterns and Profitability in the Arkansas Delta. Invited Seminar at the United States Department of Agriculture Research Service. Dale Bumpers National Rice Research Center Stuttgart, Arkansas. June 22, 2009.
- Nalley, L. From Farm Gate to Consumers Plate: The Impact of Potential Carbon Policies on U.S. Agriculture. Invited Seminar at the Cotton Economics Research Institute's annual research and outreach meeting. Lubbock, Texas April 1, 2009.
- Nalley, L., M. Matlock, and Z. Niederman. Life Cycle Assessment and Its Implications in The Carbon Market. Invited Seminar Texas Tech University, Department of Agricultural and Applied Economics. January 23, 2009 Lubbock, Texas.
- Nalley, L. and M. Matlock. Greenhouse Gas Life Cycle Analysis in Cotton. Presentation at the Keystone Alliance: Field to Market Whole Systems Meeting, Washington, DC. May 7, 2009.
- Matlock, M. and L. Nalley. Methods of Measuring Agricultural Sustainability: Cotton Greenhouse Gas LCA. Presented at the Monsanto Corporation Sustainability Conference, St. Louis, Missouri. July 27, 2009.
- Matlock, M. and L. Nalley. Agricultural Sustainability Metrics. Invited presentation at the Sustainable Actions for a Sustainable Future Conference, Missouri State University, Springfield, Missouri. April 23, 2009.
- Matlock, M. and L. Nalley. Agricultural Production Challenges for a Sustainable Planet. Invited seminar at the MARS Corporation Sustainability Pod Meetings. McLean, Virginia, September 28, 2009.
- Matlock, M., L. Nalley, Z. Niederman, and G. Thoma. Metrics for Sustainable Supply Chains: LCIs to inform LCAs. Invited presentation at the World Resources Institute Program for Corporate Ecosystem Services Management, CCE, Atlanta, Georgia. October 7, 2009.
- Nalley, L., M. Matlock, and Z. Niederman. Life Cycle Assessment: A Simple Overview of a Complex Process. Presented to the World Cocoa Foundation 2008 Partnership Meeting, Hamburg Germany, October 8-9, 2008.

Seminars(10)

- Nalley, L., F. Tsiboe, A. Shew, A. Durand and G. Thoma. "The Economic Impact of Blast Resistance in Mid-South Rice Production. Invited Seminar at the University of Arkansas Department of Plant Pathology. Fayetteville, Arkansas. February 13th, 2018.

Nalley, Lanier. The Role of Microfinance in Economic Development in Southeast Asia .Invited presentation at the University of Ghent to the Department of Agricultural Economics and of Bioscience Engineering. Ghent, Belgium. December 12, 2013.

Akaichi, F., L. Nalley, L. and R. Nayga. Are Consumers Willing-to-Pay a price premium for Environmentally Friendlier Foods? Presentation at the Scottish Agricultural College. Edinburgh, Scotland. April 5, 2012.

Nalley, L. and A. McKenzie. How Much is that Exam Grade Really Worth: As Estimation of Student Risk Aversion to their Unknown Final College Course Grade. Presentation at the University of Ghent to the Department of Agricultural Economics and of Bioscience Engineering. Ghent, Belgium. March 20, 2012.

Nalley, L. ,M. Popp, and Z., Niederman. How Potential Carbon Policies Could Affect Cotton Location and Production Practices in the United States. Invited seminar at Humboldt University, Department of Agricultural Economics. Berlin, Germany. December 7, 2010

Nalley, L., and A. McKenzie. Risk Aversion in College Students: An In Class Case Study Using a Survivor Model. Invited Seminar at Humboldt University, Department of Agricultural Economics. Berlin, Germany. December 6, 2010

Nalley, L., M. Popp, and K. Brye. Estimating Carbon Emissions and Sequestration: How Carbon Policies Could Effect Planting Decisions in the United States. Invited presentation at the University of Ghent to the Department of Agricultural Economics and of Bioscience Engineering. Ghent, Belgium. December 10, 2010.

Nalley, L. and A. Barkley. Using Portfolio Theory to Enhance Yield Stability and Food Security in Low-Income Nations. Invited presentation to the Department of Economics at the Slovak University of Agriculture. Nitra, Slovakia. March 24, 2010.

Nalley, L., and M. Popp. The Impact of Reducing Green House Gas Emissions in Arkansas Crop Agriculture: A Spatial and Production Level Analysis. Invited presentation at the University of Ghent to the Department of Agricultural Economics and of Bioscience Engineering. Ghent, Belgium. March 22, 2010.

Nalley, L. and A. Barkley. Selecting Grain Cultivars to Stabilize Food Security: The Case of the Yaqui Valley Mexico. Invited presentation at the University of Ghent to the Department of Agricultural Economics and of Bioscience Engineering. Ghent, Belgium. March 22, 2010.

Refereed Professional Presentations (69):

Nalley, L., A. Shew and A. Durand. Reducing Global Food Insecurity through Rice Breeding. Presented at the 37th Rice Technical Working Group (RTWG). Long Beach California. February 19-22nd, 2018

Durand, A., L. Nalley and G. Thoma. Economic and Environmental Impact of Weedy (Red) Rice Control in the U.S. Presented at the 37th Rice Technical Working Group (RTWG). Long Beach California. February 19-22nd, 2018.

- Shew, A., L. Nalley and A. Durand. The Benefits of Public Plant Breeding: More than Profits. Presented at the Southern Agricultural Economics Associations Annual Meetings. Jacksonville, Florida. February 3-6th, 2018.
- Shew, A., M. Mondal, S. Yadav, K. Jagadish, H. Bhandari and L. Nalley. Potential Economic and Food Security Impacts of Sustainable Intensification of Polder Agriculture in Coastal Bangladesh. Presented at the Southern Agricultural Economics Associations Annual Meetings. Jacksonville, Florida. February 3-6th, 2018.
- Tester, C., M. Popp, L. Nalley and N. Kemper. Heard Size Management using Cattle Cycle Price Signals and Weather Uncertainty. Presented at the Southern Agricultural Economics Associations Annual Meetings. Jacksonville, Florida. February 3-6th, 2018.
- Coale, M., L. Nalley, P. Chaminuka and E. Dube. The Genetic and Economic Impact of the South African Agricultural Research Council's Wheat Breeding Program: 1998-2015. Presented at the 3rd International Conference on Global Food Security. Cape Town, South Africa. December 3-6th, 2017.
- Shew, A.M., L. Nalley, H.A. Price, R.M. Nayga Jr. & B. Dixon. Trends in Agricultural Biotech: The Global Viability of CRISPR Gene-Editing in Food Production. Presented at the Agricultural & Applied Economics Association, 2017 Annual Meeting, Chicago, Illinois. July 31st-August 2nd.
- West, G., L. Nalley, A. Beitia, H. Goodwin and F. Clark. Spatial Economic Inferences of an Avian Influenza Outbreak in Arkansas. Presented at the 2017 Western Agricultural Economics Association Annual Meetings. Lake Tahoe, Nevada. July 9-11th, 2017.
- Nalley, L., F. Tsiboe, A. Durand, G. Thoma and A. Shew. The Economic Impact of Rice Sheath Blight Alleviation in the Mid-South. Presented at the 2017 Southern Agricultural Economics Association Annual Meetings. Mobile, Alabama. February 4-7th, 2017.
- Caillouet, O. and L. Nalley. Increasing Community and Economic Resilience through Horticulture Crop Diversification in Northern Mozambique. Presented at 13th Annual International People Plant Symposium. Montevideo, Uruguay. November 10th-12th, 2016.
- Dlamini, T., L. Nalley, F. Tsiboe, A. Shew and A. Barkley. The economic impact of the South African Agricultural Research Council's dry bean breeding program. Presented at the 5th International Conference of the African Association of Agricultural Economists. Addis Ababa, Ethiopia. September 23-26th, 2016.
- Nalley, L. F. Tsiboe, B. Dixon, K. Brye, J. Tack, A. Barkley and A. Shew. Quantifying Spatial Differences in Methane Emissions from Rice Production. Presented at the American Agricultural Economics Association annual meetings. Boston Massachusetts. July 31-August 2nd, 2016.
- Caillouet, O., L. Nalley and C. Rom. Risk Mitigation through Holistic Sustainable Horticultural Production Practices: The Case of Poultry in Northern Mozambique. Presented at National American Society for Horticultural Science (ASHS) Atlanta, Georgia. August 8-11th 2016.

- Shew, A., D. Danforth, L. Nalley, B. Dixon, R. Nayga and F. Tsiboe. Are All Biotechnologies the Same? Consumer Valuation of Non-GMO RNA Interference and GMO *Bacillus Yhuringiensis* for Insect Control in Rice Production in the USA, Canada, Belgium, France, and Australia. Presented at the American Agricultural Economics Association annual meetings. Boston Massachusetts. July 31- August 2nd, 2016.
- Tsiboe, F., A. Shew and L. Nalley. Rice Blast in the Mid-South of the United States: Economic Appraisal of Genetic Resistance. Presented at the 36th Rice Technical Working Group (RTWG). Galveston, Texas. March 1-4, 2016.
- Shew, A., F. Tsiboe and L. Nalley. The Economic Impact of Rice Blast Alleviation in the Mid-South of the United States. Presented at the Southern Agricultural Economics Association Annual Meetings San Antonio, Texas. February 6-9, 2016.
- Shew, A., L. Nalley, B. Dixon, D. Danforth, A. Delwaide and R. Nayga. Indian Acceptance of Cisgenic Rice: Are All GMOs the Same? Presented at International Conference on Coexistence between Genetically Modified (GM) and non-GM based Agricultural Supply Chains (GMCC). November 17-20th, 2015, Amsterdam, the Netherlands.
- Shew, A., L. Nalley, B. Dixon, D. Danforth, A. Delwaide and R. Nayga. Indian Acceptance of Cisgenic Rice: Are All GMOs the Same? Presented at the American Agricultural Economics Association meeting. July 26-28, 2015. San Francisco, California.
- Nalley, L. The Economic Viability of Alternative Wet Dry (AWD) Irrigation in Rice Production in the Mid-South of the United States of America. Paper presented at the Symposium on Energy Challenges and Mechanics. Aberdeen, Scotland. July 7-9th, 2015
- Tsiboe, F., L. Nalley, B. Dixon, J. Popp and J. Luckstead. Cost-Benefit Analysis of Farmer Field Schools in West Africa: The Case of Cocoa. Paper presented at the Southern Agricultural Economics Association Annual Meeting. February 1-4, 2015. Atlanta, Georgia.
- Xu, Y., K. Kovacs, L. Nalley and M. Popp. Investments In On-Farm Reservoirs To Align Economic Returns and Ecosystems Services. Paper presented at the Southern Agricultural Economics Association Annual Meeting. February 1-4, 2015. Atlanta, Georgia.
- Nalley, L., B. Dixon, D. Danforth and A. Delwaide. European Acceptance of Cisgenically Bred Rice: Are All GMO's the same? Presentation given at the 2015 Rice Breeders Conference. Stoneville, Mississippi. January 27, 2015.
- Merle A., B.A. Linquist, L.L. Nalley, R.L. Chaney, M.A. Adviento-Borbe, and D. Hendrix. Grain Yield, Water Use Efficiency, Grain Arsenic and Cadmium Concentration, and the Economics of Rice Grown Under AWD Water Management. Paper Presented to the 4th International Rice Congress. October 27-November 1, 2014, Bangkok, Thailand.
- Popp, M., L. Nalley and Z. Niederman. Climate Change Modeling for Assessment of Greenhouse Gas, Crop Income Allocation and Energy Balance. Paper presented at the Western Agricultural Economics Association Annual Meeting. June 22-24, 2014. Colorado Springs, Colorado.

- Branscum, E., L. Nalley, B. Dixon, T. Siebenmorgen, J. Tack and D. Danforth.
Implications of Rice Variety Selection to Optimize Returns from Crop Insurance.
Selected paper presented at the Agricultural and Applied Economics Association
Symposium: Crop Insurance and the 2014 Farm bill: Implementing Change in the U.S.
Agricultural Policy. October 8-9, 2014, Louisville KY. Accessible at:
<http://ageconsearch.umn.edu/handle/184247>
- Delwaide, A., , L. Nalley, B. Dixon, R. Nayga, D. Danforth , V. Verbeek and E. Van Loo.
European Acceptance of Cisgenic Rice: Are all GMO's the same? Paper presented at the
Western Agricultural Economics Association Annual Meeting. June 22-24, 2014.
Colorado Springs, Colorado.
- K. Moldenhauer, K. McKenzie, X. Sha, S. Linscombe, and L. Nalley. US Rice Breeding: 30
years of Genetic Gains. Paper Presented at the Rice Technical Working Group Meeting.
February 18-21, 2014. New Orleans, Louisiana.
- Counce, P., T. Hardke, C.Wilson, T.Siebenmorgen, L. Nalley, D. Frizzell, and K. Watkins.
Solar Irradiance Differences which Accompany Different Planting Dates Lead to Higher
Grain Yields for Earlier Planted Rice. Paper Presented at the Rice Technical Working
Group Meeting. February 18-21, 2014. New Orleans, Louisiana
- Counce, P., T .Siebenmorgen, B Watkins, L. Nalley, J. Hardke, C.E. Wilson, and D. Frizzell.
Earlier Planting Dates for Arkansas Rice Increased Likelihood of High Nighttime Air
Temperatures during Grain Filling. Paper Presented at the Rice Technical Working
Group Meeting. February 18-21, 2014. New Orleans, Louisiana
- Nalley, L., M. Anders, K. Kovacs and B. Lindquist. The Economic Feasibility of Alternate Wet
Dry (AWD) Irrigation in Arkansas Rice Production. Presented to the Southern
Agricultural Economics Association Annual Meetings February 3-6, 2014. Dallas,Texas.
- Nalley, L. Examining a Mass Tort Using @risk. Presented to the 2013 Palisade Risk
Conference. Las Vegas, Nevada, November 21 2013.
- McKee, M., A. Farmer and L. Nalley. Designing Effective Service Learning Programs.
Presented to the Association of International Educators (NAFSA) 2013 Conference,
Rogers, Arkansas October 21-24 2013.
- McKinley, J., L. Nalley and N. Lyman. Food Security vs. Food Self-Sufficiency: The Case of
the Philippine Goal of Self-Sufficient Rice Production. Paper presented to the 2013
WAEA Annual Meetings. June 26-28th, 2013. Monterey, California.
- Akaichi, F., R. M. Nayga, Jr. and L. Nalley. Do Consumers Make Tradeoffs with
Respect to GHG emissions, Local, and Food Miles? 134th European Association of
Agricultural Economics seminar, Paris 21-22 of March 2013.
- Akaichi, F., R. Nayga and L. Nalley. Do Consumers Make Tradeoffs with Respect to GHG
emissions, Local, and Food Miles? 87th Agricultural Economics Society Annual
Conference 2013, University of Warwick, UK, April 08-10.

- Lyman, N. and L. Nalley. Stochastic Valuation of Hybrid Rice Technology in Arkansas. Paper presented to the Southern Agricultural Economics Association Annual Meetings February 3-6, 2013. Orlando, Florida
- Nalley, L. and N. Lyman. Quantifying The Economic Value of Genetic Disease Resistance in Plants: The Case of Blast and Sheath Blight Resistance in Arkansas Rice Varieties. Paper presented to the Western Agricultural Economics Association Annual Meetings June 20-22, 2012 Park City, Utah.
- Akaichi, F., R. Nayga and L. Nalley. 2012. Are Consumers Willing-to-Pay a price premium for Environmentally Friendlier Foods? Agricultural and Applied Economics Association Meeting. Seattle, USA, August 12-14.
- Mahrizal, M., L. Nalley, B. Dixon, and J. Popp. Increasing Profitability of Small Scale Orchard Producers through Optimizing Replacement Rate: The Case Study of Ghana. Paper presented at the Southern Agricultural Economics Association Annual Meeting, Birmingham, Alabama, February 6, 2012.
- Nalley, L., M. Popp, and Z. Niederman. Greenhouse Gas Emissions Differences and Consumers WTP for Providing Local Production Through the Introduction of Genetically Modified Sweet Corn. Paper presented at 52nd Annual Conference of the Food Distribution Research Society (FDRS). October 15-19, 2011 Portland, Oregon.
- Nalley, L. and A. Barkley. Using Portfolio Theory In Crop Cultivar Selection to Ensure the Sustainable Economic Success of New Cropping Enterprises in The Windward Islands and the Caribbean. Paper presented to 29th West Indies Agricultural Economics Conference St. Vincent & the Grenadines July 17-21st . Kingstown St. Vincent
- Nalley, L. and A. McKenzie. How Much is that Exam Grade Really Worth: As Estimation of Student Risk Aversion to their Unknown Final College Course Grade. Paper presented at the 2011 Western Agricultural Economics Association Meetings. June 29th-July 1st. Banff, Canada.
- Lyman, N. and L. Nalley. Climate Change Policy and Producer Profitability: The Case of Arkansas Rice. Paper presented at the 2011 Western Agricultural Economics Association Meetings. June 29th-July 1st. Banff, Canada.
- Lyman, N., L. Nalley, and B. McFadden. A US Rice Life Cycle Inventory: Cultivar Specific Emissions and Potential Effects of A Carbon Policy on Producer Profitability. Paper presented to 2011 Society of Environmental Toxicology and Chemistry (SETAC) annual meeting, May 15- 19th, Milan, Italy.
- McFadden, B. and L. Nalley. How a National Carbon Policy Could Affect Grain Variety Selection: The Case of Rice in Arkansas. Paper presented at the 2010 Southern Agricultural Economics Association Annual Meeting, Corpus Christi, Texas. February 5-8, 2011.
- Smith, A., M. Popp, and L. Nalley. Modeling Pine as a Carbon Sequestering Crop in Arkansas. Paper presented at the 2010 Southern Agricultural Economics Association Annual Meeting, Corpus Christi, Texas. February 5-8, 2011.

- Nalley, L., M. Popp, and Z. Niederman. How Potential Carbon Policies Could Affect Cotton Location and Production Practices In the United States. Paper presented at the 2011 Beltwide Cotton Conferences. Atlanta, Georgia. January 4-7th 2011.
- Nalley, L., and M. Popp. Modeling the Effects of Cap and Trade and a Carbon Offset Policy on Crop Allocations and Farm Income. Paper presented at the 2010 Agriculture and Applied Economics Association Annual Meetings, Denver, Colorado, July 25-27th, 2010.
- Smith, A., M Popp, and L. Nalley. Carbon Offset Payments and Spatial Biomass Supply in Arkansas: Implications of Pine and Switchgrass. Paper presented at the 2010 Challenges of Natural Resource and Economic Policy Meeting. New Orleans, Louisiana, May 26-28th, 2010.
- Nalley, L., M. Popp, and C. Fortin. How A Cap-and-Trade Policy of Green House Gases Could Alter the Face of Agriculture in the South: A Spatial and Production Level Analysis. Paper presented at the 2010 Southern Agricultural Economics Association Annual Meeting, Orlando, Florida. February 6-9, 2010.
- Moldenhauer, K., L. Nalley, B. Watkins, and J. Gibbons. Twenty-five Years of Rice in Arkansas: Impacts and Changes. Paper presented at the 33rd Rice Technical Working Group meetings. Biloxi, Mississippi. February 22nd-25th, 2010.
- Nalley, L., Z. Niederman, M. Matlock, and K. Brye. A County Level Methodology for Estimating Green House Gas Emissions and Sequestration for Cotton Production in the United States. Paper presented at the 2009 SETAC Africa/ANCAP meetings. Kampala, Uganda. November 2-5, 2009.
- Niederman, Z., L. Nalley, and M. Matlock. Evaluation of potential human and eco-toxicity impacts from US cotton production practices. Paper presented at the 2009 SETAC Africa/ANCAP meetings. Kampala, Uganda. November 2-5, 2009.
- Moldenhauer, K., L. Nalley, B. Watkins, J. Gibbons, and K. Gravios. Impact of Rice Variety Development: Changes, Challenges, and Future. Paper presented at the 2009 American Society of Agronomy (ASA) meetings. Pittsburg, Pennsylvania. November 1-5, 2009.
- Nalley, L. and A. Barkley. Using Portfolio Theory to Enhance Yield Stability and Food Security in Low-Income Nations. Paper presented at the Food Security and Agricultural Development Conference, University of the West Indies, Kingston, Jamaica, July 28-30th 2009.
- Niederman, Z., L. Nalley, and M. Matlock. US Cotton Carbon Life Cycle Assessment: Cotton Production Practices in 16 States. Paper presented at the American Ecological Engineering Society 9th Annual Meeting Corvallis, OR June 24-26 2009.
- Harri, A., L. Nalley, and D. Hudson. The Relationship between Exchange Rates, Oil Prices, and Corn Price Over Time. Paper presented to the 2009 Southern Agricultural Economics Association Annual Meeting, Atlanta, Georgia, January 31st- February 3, 2009.

- Nalley, L., A. Barkley, B. Watkins, and J. Hignight. Rice Varietal Selection in the Arkansas Delta Through the Use of Portfolio Analysis. Paper presented to the 2009 Southern Agricultural Economics Association Annual Meeting, Atlanta, Georgia, January 31st-February 3, 2009.
- Popp, M., L. Nalley, and G. Vickery. Changes in Farm Landscape with the Introduction of a Biomass Market. Paper presented to the 2008 Farm Foundation Conference, St. Louis Missouri. October 15-16, 2008.
- Nalley, L., A. Barkley, and J. Crespi. The Global Impact of the CIMMYT Wheat Breeding Program: An Economic Welfare Analysis. Paper presented to the 2008 Southern Agricultural Economics Association Annual Meeting, Dallas, Texas, February 3-5, 2008.
- Nalley, L. and A. Barkley. The Impact of the CIMMYT Wheat Breeding Program on Wheat Yields in Low-income Nations, 1962-2005. Paper presented to the 2007 American Agricultural Economics Association Annual Meetings, Portland, Oregon, June 29-August 1st, 2007.
- Barkley, A. and L. Nalley. Yield Stability in Kansas Wheat Varieties, 1977-2006. Paper presented to the 2007 Western Agricultural Economics Association Annual Meetings, Portland, Oregon, June 29- August 1st, 2007.
- Hendricks, N. and L. Nalley. The Relative Welfare Impacts in Wheat and Maize Trade Liberalization: Why Less is Sometimes More. Paper presented to The Association of Private Enterprise Education 2007 Conference. Cancun, Mexico, April 8-11th, 2007.
- Nalley, Lawton L. Modeling the Structural Change in American Frozen Catfish Fillet Demand: An Analysis of Country of Origin Labeling and the Implementation of an Import Tariff. Paper presented to the 2007 Southern Agricultural Economics Association Annual Meeting, Mobile, Alabama, February 4-7, 2007.
- Nalley, L. and A. Barkley. The Impact of the Kansas Wheat Breeding Program on Wheat Yields, 1911-2005. Paper presented to the 2006 Western Agricultural Economics Association Annual Meeting, Anchorage, Alaska, June 28-30th, 2006.
- Dixon, J., Hellin, J., Erenstein, O., Kosina, P. and L. Nalley. Wheat Adoption, Impact Pathways and Innovation Systems. Paper presented to the International Symposium on Wheat Yield Potential: *Challenges to International Wheat Breeding*. Ciudad Obregón, Sonora, Mexico, March 20-24th, 2006
- Nalley, L., A. Barkley, and F. Chumley. Impact of the Kansas State Wheat Breeding Program on Wheat Yields, 1911-2005. Paper presented to the Regional Research Project NC-1003, Jekyll Island, Georgia, March 24-25th, 2006.
- Nalley, L. and A. Barkley. Political Freedom, Economic Freedom and Prosperity: Agricultural Trade Policy as A Measure of Economic Freedom. Paper presented to The Association of Private Enterprise Education 2005 Conference. Orlando, Florida, April 3-5th, 2005

Nalley, L., D. Hudson, and G. Parkhurst. Credence Attributes, Consumer Valuation, and Endowment Effects in Auctions: The Case of Sweet Potatoes. Paper presented to the 2005 Southern Agricultural Economics Association Annual Meeting, Little Rock, Arkansas, February 2004.

Hudson, D., L. Nalley, J. Anderson, and T. Hanson. Potential for Cross Hedging Catfish Feed Prices In Commodity Markets: An Analysis of Hedging Effectiveness. Paper presented to the 2005 World Aquaculture Society Annual Meeting, New Orleans Louisiana, January 17-20th, 2005.

Refereed Poster Presentations (30):

Byamungu, W., L. Nalley, B. Dixon and H. Price. Factors Influencing Adoption of No-Tillage Agriculture in the Democratic Republic of the Congo. Presented at the Southern Agricultural Economics Associations Annual Meetings. Jacksonville, Florida. February 3-6th, 2018.

Tsiboe, F., L. Nalley, E. Bajrami. Economic Incentives Necessary for Adoption of Environmentally Friendly Cocoa Production in Ghana. Presented at the Southern Agricultural Economics Associations Annual Meetings. Jacksonville, Florida. February 3-6th, 2018.

Delay, S., L. Nalley, B. Dixon and A. Farmer. Enhancing Quality of Life through Foreign Direct Investment in Northern Mozambique. Presented at the Southern Agricultural Economics Associations Annual Meetings. Jacksonville, Florida. February 3-6th, 2018.

Farmer, E. A. Shew, L. Nalley, A. Farmer and H. Price. Eliciting Demand Side Drivers of Food Security: A Choice Experiment in Northern Mozambique. Presented at the 3rd International Conference on Global Food Security. Cape Town, South Africa. December 3-6th, 2017.

Shew, A., A. Ghosh, A. Durand and L. Nalley. Food Security Impacts from the Adoption of Hybrid and HVY Rice Production in Bangladesh. Presented at the 3rd International Conference on Global Food Security. Cape Town, South Africa. December 3-6th, 2017.

Farmer, E. A. Shew, A. Farmer, L. Nalley, R. Nayga, A. Gaduh and D. Danforth. Intrinsic Honesty and the Prevalence of Rule Violations in Northern Mozambique. Presented at the 2017 Southern Agricultural Economics Association Annual Meetings. Mobile, Alabama. February 4-7th, 2017.

F. Tsiboe, B. Dixon, J. Luckstead and L. Nalley. Labor Heterogeneity in Cocoa Production: Insights from Ghana. Presented at the 2017 Southern Agricultural Economics Association Annual Meetings. Mobile, Alabama. February 4-7th, 2017.

Shew, A. and L. Nalley. Drought Impacts on Rice and Wheat Production: A District-level Study in India. Presented at the 2017 Southern Agricultural Economics Association Annual Meetings. Mobile, Alabama. February 4-7th, 2017.

- Beitia, A., K. Christensen, L. Nalley, F. Clark, G. West and H. Goodwin. Economic Assessment of a Highly Pathogenic Avian Influenza Outbreak in Washing and Benton Counties in Arkansas. Presented at 2017 International Poultry Scientific Forum. January 30-31, 2017. Atlanta, Georgia.
- Tsiboe, F., J. Luckstead, L. Nalley, B. Dixon and J. Popp. Potential Spillover Effects of Farmer Field Schools in Sub-Saharan Africa: The Case of Cocoa. Presented at the American Agricultural Economics Association meeting. July 26-28, 2015. San Francisco, California
- Tisboe, F., A. Delwaide, L. Nalley, B. Dixon and D. Danforth. Ghanaian Consumer's Attitudes towards Cisgenic Rice: Are All GMO's the Same? Paper presented at the Southern Agricultural Economics Association Annual Meeting. February 1-4, 2015. Atlanta, Georgia.
- Lyman, N., L. Nalley, K. Jagdish, T. Sibenmorgen and B. Dixon. Quantifying Economic Effects of Temperature Variability on Arkansas Rice Yields and Quality. Poster presented to 2012 Agricultural and Applied Economics Meetings. Seattle, Washington, August 12-14th 2012.
- Akaichi, F., R. Nayga, and L. Nalley. Are Consumers Willing to Pay a Price Premium for Environmentally Friendlier Foods? Poster presented to 2012 Agricultural and Applied Economics Meetings. Seattle, Washington, August 12-14th 2012.
- Nalley, L., M. Popp, and Z. Niederman. Can Biotech in Agriculture Reduce Greenhouse Gas Emissions: The Case of Sweet Corn. Fifth International Conference on Coexistence Between Genetically Modified (GM) and Non-GM Based Agricultural Supply Chains. Vancouver, British Columbia Canada. Wednesday, October 26, 2011 - Friday, October 28, 2011
- Nalley, L., M. Popp, J. Thompson and Z. Niederman. Carbon Offset Revenue Potential from Adopting Biotechnology: The Case of Sweet Corn. Poster presented to 2011 Agricultural and Applied Economics Meetings. Pittsburgh, Pennsylvania, July 24-26th 2011.
- Popp, M. and L. Nalley. Funding Agricultural Carbon Offset Retirements with Carbon Tax Revenue to Reduce State Level Carbon Footprint. Poster presented to 2011 Agricultural and Applied Economics Meetings. Pittsburgh, Pennsylvania, July 24-26th 2011.
- Nalley, L., N. Lyman, and K. Moldenhauer. The Genetic and Economic Impact of the University of Arkansas's Rice Breeding Program: 1983-2007. Poster presented to 2011 National Association of Plant Breeders Meeting. College Station, Texas. May 23-25, 2011.
- Matlock, M., L. Nalley, and Z. Niederman. Evaluation of Toxicity in Cotton Production and Toxicity Impact Assessment Methods. Poster presented to 2011 Society of Environmental Toxicology and Chemistry (SETAC) annual meeting, May 15- 19th 2011, Milan, Italy.

- Herzog, M., L. Nalley, E. Cummings, and M. Matlock. LCA Biodiversity Indicators Using Cocoa (*Theobroma cacao*) as a Model Crop. Poster presented to 2011 Society of Environmental Toxicology and Chemistry (SETAC) annual meeting, May 15- 19th 2011, Milan, Italy.
- Lyman, N., L. Nalley, and B. McFadden. A US Rice Life Cycle Inventory: Cultivar Specific Emissions and Potential Effects of A Carbon Policy on Producer Profitability. Poster presented to 2011 Society of Environmental Toxicology and Chemistry (SETAC) annual meeting, May 15- 19th 2011, Milan, Italy.
- Thompson, J., L. Nalley, M. Popp, and Z. Niederman. A Life Cycle Analysis (LCA) Comparison between Conventional and Biotech Sweet Corn. Poster presented at the 2010 Southern Agricultural Economics Association Annual Meeting, Corpus Christi, Texas. February 5-8, 2011.
- Nalley, L., D. Danforth, Z. Niederman, D. Wildy, and T. Teague. A Cotton Scan Level Life Cycle Analysis: Has Bio-Tech Reduced the Carbon Emissions From Cotton Production In the USA? Paper presented at the 2011 Beltwide Cotton Conferences. Atlanta, Georgia. January 4-7th 2011.
- Smith, A., M. Popp, and L. Nalley. Carbon Sequestration and Biomass Production in Arkansas: A Production Level Analysis of Loblolly Pines. Poster presented at the 2010 Southern Agricultural Economics Association Annual Meeting, Orlando, Florida. February 6-9, 2010.
- Hudgens, M. and L. Nalley. Creation of School Lunch Programs Using Locally-Sourced Foods From Low-Income Communities in Rural Arkansas. Poster presented at the 2010 Southern Agricultural Economics Association Annual Meeting, Orlando, Florida. February 6-9, 2010.
- Nalley, L., M. Matlock, and Z. Niederman. Cotton Carbon Life Cycle Assessment: Regional Cotton Production and Their Carbon Emissions. Poster presented to Society of Environmental Toxicology and Chemistry (SETAC) annual meeting, May 31- June 4, Goteborg, Sweden.
- Popp, M., L. Nalley, and G. Vickery. Will Biomass Markets affect Arkansas Crop and Livestock Agriculture? Some Preliminary Numbers. Poster presented to the 2009 Southern Agricultural Economics Association Annual Meeting, Atlanta, Georgia, January 31st- February 3, 2009.
- Nalley, L., M. Popp, and G. Vickery. If They Build Them: Will We Grow It? The Case of Lignocellulosic Plants and Biomass Crops in Arkansas. Poster presented to the 2008 Rice Research and Extension Center field day. Stuttgart Arkansas, August 13, 2008.
- Popp, M. and L. Nalley. Impact of Irrigation Restrictions on Crop Acres: The Alluvial Aquifer and Biomass Crops. Presented to the 2009 Rice Research and Extension Center field day. Stuttgart, Arkansas August, 12 2009.
- Nalley, L., M. Popp, and K. Brye. Carbon Sequestration Potential: Can Arkansas Producers Benefit from Carbon Offsets? Presented to the 2009 Rice Research and Extension Center field day. Stuttgart, Arkansas August, 12 2009.

Nalley, L., D. Danforth, Z. Niederman, D. Wildy, and T. Teague. A Cotton Scan Level Life Cycle Analysis: Has Bio-Tech Reduced the Carbon Emissions From Cotton Production In the USA? Poster presented at the 2011 Arkansas Soil and Water Education Conference. Jonesboro Arkansas. January 27, 2011

Extension Presentations:

Lyman, N., L. Nalley, and J. Krishna. Economic implications of extreme heat effects on rice yield and milling quality in Arkansas. Presented to the Delta States Farm Management Meetings (SERA-35), Farmerville, Louisiana May 24-26 2012.

Nalley, L., M. Popp, and A. Smith. Biomass, Greenhouse Gas and Irrigation Interactions in Arkansas: Modeling Crop Agriculture. Paper presented to the In-service Training "Biomass Conference" August 9, 2011. Little Rock Arkansas.

Nalley, L., B. McFadden, and M. Popp. Establishing a Net Carbon Footprint for Rice Varieties in Arkansas. Presented to the 2010 Rice Research and Extension Center field day. Stuttgart, Arkansas August, 11 2010.

Popp, M., and L. Nalley. Biofuels, Climate Change and Irrigation Implications in Arkansas. Presented to the 2010 Rice Research and Extension Center field day. Stuttgart, Arkansas August, 11 2010

Nalley, L., M. Popp, and Z. Niederman. Establishing Value in a Carbon Counting World: How Carbon Policy Could Alter Row Crop Production in Arkansas. Presented to the State Extension Faculty Conference, Little Rock, Arkansas. June 24, 2010.

Nalley, Lanier. From Farm Gate to Consumers Plate: The Impact of Potential Carbon Policies on Agriculture in the Mississippi Delta. Presented to the Delta States Farm Management Meetings (SERA-35), Vicksburg, Mississippi May 27-29 2009.

Nalley, L., A. Barkley, B. Watkins, and J. Hignight. Enhancing Farm Profitability Through Portfolio Analysis: The Case of Rice in the Arkansas Delta. Presented to the Delta States Farm Management Meetings (SERA-35), Vicksburg, Mississippi May 27-29 2009.

Nalley, L., M. Popp, and K. Brye. How Carbon Policies Could Alter Cropping Patterns and Producer Profitability in Arkansas. Presented to the 2009 Rice Research and Extension Center field day. Stuttgart, Arkansas August, 12 2009.

Popp, M. and L. Nalley. The Impacts of Irrigation Restrictions on Producer Profitability in the Arkansas Delta. Presented to the 2009 Rice Research and Extension Center field day. Stuttgart, Arkansas August, 12 2009.

Teaching Experience

Instructor:

Student Evaluations of Taught Courses

			Student Ratings*				
Course	Year	Enrollment	Overall, Course is Among the Best I have Ever Taken	Overall, Instructor is Among the Best I have Ever Had	Willingness to Help Outside of Class	Enjoy Taking Another Course From Instructor	Mean of Core Medians
AGEC 2303	Sp 08	96	4.2	4.5	4.7	4.6	4.4
AGEC 2303	Sp 09	90	4.3	4.5	4.7	4.6	4.4
AGEC 2303	Sp 10	95	4.3	4.4	4.7	4.6	4.6
AGEC 2303	Sp 11	97	4.1	4.4	4.7	4.6	4.5
AGEC 4163	Sp 09	35	4.9	4.9	4.9	4.9	4.9
AGEC 4163	Sp 10	39	4.7	4.7	4.9	4.9	4.8
AGEC 4163	Sp 11	37	4.7	4.8	4.8	4.8	4.8
	Year	Enrollment	Overall I Would Rate This Course As	Overall I would Rate This Instructor As	I would Rate my Instructors Spoken English As		
AGEC 4163	Sp 12**	19	4.83	4.89	5.00		
AGEC 4163	Fa 13	49	4.75	4.75	4.94		
AGEC 4163	Fa 14	63	4.46	4.56	4.87		
AGEC 4163	Fa 15	56	4.61	4.59	4.91		
AGEC 4163	Fa 16	54	4.71	4.81	4.96		
AGEC 4163	Fa 17	51	4.49	4.77	4.98		
AGEC 5403	Fa 12	26	4.76	4.86	4.76		
AGEC 5403	Fa 13	13	4.90	4.90	4.90		
AGEC 5403	Fa 14	24	4.88	4.82	4.82		
AGEC 5403	Fa 15	18	4.44	4.44	4.82		
AGEC 5403	Fa 16	21	4.95	4.85	5.00		
AGEC 5403	Fa 17	13	4.85	4.85	5.00		

* Student Ratings Scores are: 1=Very Low, 2=Low, 3=Medium, 4=High, 5=Very High

** Note that in 2012 student evaluations changed their format.

Quantitative Methods for AgEcon. AGEC 5403. University of Arkansas (Graduate Level) Major quantitative tools studied. Provides an understanding of how basic economic theory can be applied to do problem solving research. To this end, the course is divided into three major sections, corresponding to three quantitative techniques: (1) Estimation of linear regression

models using Ordinary Least Squares. (2) Optimization using mathematical programming (3) Risk and uncertainty using @Risk.

Agricultural and Rural Development, AGECE 4163. University of Arkansas (Senior/Graduate level). The study of the interdependencies between the world's food, population, and equitability/poverty problems. Specific emphasis placed on relationships between wealthy and poor countries, particularly in terms of policies, trade, and aid.

Introduction to Agribusiness, AGECE 2303. University of Arkansas (Sophomore level). Introduction to agribusiness issues as they relate to the food processing, wholesale and retail sectors of the agricultural industry. Coverage of methods and tools agribusiness managers use to evaluate business opportunities. Case studies serve to communicate concepts of product distribution, design, promotion and pricing in the development of a marketing plan

Major Professor for Graduate Students

Doctor of Philosophy (PhD) Students

Shew, Aaron. Sustainable Intensification of Agricultural Opportunities and Challenges for Food Security and Agrarian Adaptation to Environmental Change in Bangladesh. PhD Dissertation in Environmental Dynamics. March 2018.

Master of Science (M.S.) Students (10)

Coale, Matthew. The Economic Benefits of the South African Agricultural Research Council's Wheat Breeding Program: 1992–2015. M.S. Thesis, December 2017.

Strassberger, Lisa. Disaggregating the Effect of Drought and Heat Stress During Flowering on Spikelet Fertility in Rice. M.S. Thesis, August 2015.

Tsiboe, Francis. Cost-Benefit Analysis and Potential Spillover Effects of Farmer Field Schools in Sub-Saharan Africa: The Case of Cocoa" M.S. Thesis, May 2015.

McKinley, Justin. The Economic Viability of Cocoa Crop Insurance in Ghana. M.S. Thesis, September 2014.

Delwaide, Anne- Cecile. European Consumer's Acceptance of Cisgenic Rice. Thesis September 2014.

Myrteza, Haxhire. The Potential Environmental Benefits of Hybrid Rice Varieties. M.S. Thesis May 2012.

Lyman, Nate. Economic implications of extreme heat effects on rice yield and milling quality in Arkansas. M.S. Thesis, May 2012.

Mahrizal, Mahrizal. Increasing profitability of small scale cocoa farmers through optimizing tree replacement rates. M.S. Thesis, December 2011.

Noma, Idrissa. The effect of weighting development indicators on countries' eligibility for international development funding: The case of the Millennium Challenge Corporation (MCC). M.S. Thesis, December 2011.

Onychere, Cynthia. Enhancing soybean profitability using portfolio theory. M.S. Thesis, December 2011.

Honors Undergraduate Thesis (4)

Delay, Sarah-Beth. Enhancing Quality of Life through Foreign Direct Investment in Northern Mozambique. March 2018.

Paulsen, Hailey. Assessing the Current Efficiencies of the Farm Credit of Western Arkansas. December 2017.

Norton, Mike. Cost-Benefit Analysis of Farmer Training in Ghanaian Cocoa Production. March 2013.

Watkins, Madalyn. The Evolution of Rural Farming in the Scottish Highlands and the Arkansas Delta: Investments and Inequalities. April 2012.

Honors and Awards

2018 Inducted as a Fellow of Agricultural and Resource Economics Association

2017 Dale Bumpers College, Jack G. Justus Award for Teaching Excellence

2017-2020 Fulbright Specialist Roster, United States Department of State, Bureau of Educational and Cultural Affairs

2017 Southern Agricultural Economics Association Outstanding Teaching of A Course Award for AGE 4163.

2017 Mentor to Francis Tsiboe, winner of the 2017 Outstanding Southern Agricultural Economics Association Master's Thesis

2017, 1st place poster competition at the 2017 International Poultry Scientific Forum. January 30-31, 2017. Atlanta, Georgia.

2016 Mentor to Wes Prewett, Senior of Significance at the University of Arkansas.

2015 Proceedings of the National Academy of Science (PNAS) "Top 10 stories in 2015" for "Effect of warming temperatures on US wheat yields"
<http://www.pnas.org/cgi/doi/10.1073/pnas.1415181112>

2015 Fellow of the University of Arkansas Teaching Academy

2015 Research Mentor to Aaron Shew Winner of a 2015 National Science Foundation (NSF) Graduate Fellowship

2013 Honors Research Advisor to Mike Norton Winner of 2013 Marshall Scholarship

2013 Bumpers College Outstanding International Education Award

2013 John W. White Outstanding Team Award

2012 SAEA Assistant Professor Leadership Award

2012 Faculty Gold Medal, University of Arkansas Office of Nationally Competitive Awards

2012 Honors Research Advisor to Mike Norton Winner of 2012 Truman Scholarship

2011 Honors Research Advisor to Mike Norton Winner of 2011 SURF Grant

2011 3rd Place in the SAEA poster competition

2010 University of Arkansas Agribusiness Club excellence in teaching award

2010 3rd Place in SAEA poster competition

2009 University of Arkansas Agribusiness Club excellence in teaching award

2007 Young Scholars Program for the Association of Private Enterprise Education (APEE)

2006 Timothy R. Donoghue Graduate Scholarship Kansas State University

2005 Ralph K. Morris Foundation Cooperative Leadership Scholar

2005 Enid Goodrich foundation scholar for the Association of Private Enterprise Education (APEE)

2004 Recipient of the Food Distribution Research Society (FDRS) William Applebaum Memorial Scholarship for Outstanding M.S. Thesis

Third place Team, American Agricultural Economics Association Graduate Case Study Competition, Montreal, Canada, 2003

Departmental Assistantship, Mississippi State University, January 2003- June 2004

Departmental Assistantship, Kansas State University, August 2004- December 2007

President's List Mississippi State University, Spring 2003, Fall 2004, and Spring 2004

Article Reviewer for:

Global Change Biology
Journal of Agricultural Economics
Journal of Agricultural and Resource Economics
Journal of Agricultural and Applied Economics
Journal of International Agricultural Trade and Development
Agricultural and Resource Economics Review
Applied Economics Perspectives and Policy
Agronomy Journal
Rice Science
Journal of Food Distribution Research
Applied Economic Perspectives & Policy
Agribusiness an International Journal
Agricultural and Food Economics
Aquaculture Economics and Management
African Journal Of Agricultural Research
Journal of Asia-Pacific Business
International Food and Agribusiness Management
HortScience
International Food and Agribusiness Management Association
Experimental Agriculture
British Food Journal

Professional Association Memberships and Activities

Appointed to the editorial board of Applied Economics Perspectives and Policy (AEPP) through the AAEA 2015-present.
Undergraduate Committee for SAEA, 2008
Gamma Sigma Delta
Phi Kappa Phi Honor Society
American Agricultural Economics Association, Graduate Student Section Executive Board Member 2003-2004
Western Agricultural Economics Association
Southern Agricultural Economics Association
American Association of Private Enterprise Education

Service:

Panel Chair- Economics. 2018 Rice Technical Working Group.
Honors College representative to the AgEcon department 2016-present
Environmental Dynamics (ENDY) Steering Committee 2016-present
Sustainability Curriculum Steering Committee 2015-present
University of Arkansas AgEcon Quiz bowl coach 2008-2011
University of Arkansas Agribusiness club junior advisor 2008- 2011
SAEA undergraduate committee 2008-2011