

CHRISOPHTER N. BOYER

CONTACT INFORMATION

University of Tennessee
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EDUCATION

Ph.D. Agricultural Economics, Oklahoma State University, 2011
M.S. Agricultural Economics, Texas A&M University, 2008
B.S. Agribusiness, Texas A&M University, 2006

ACADEMIC APPOINTMENTS

Professor and Department Head, 2024-present

- University of Tennessee, Department of Agricultural and Resource Economics

Interim Department Head, 2025-present

- University of Tennessee, Department of Agricultural Leadership, Education, and Communications

Professor and Assistant Department Head, 2023-2024

- University of Tennessee, Department of Agricultural and Resource Economics

Professor (78% Research and 22% Teaching), 2022-2023

- University of Tennessee, Department of Agricultural and Resource Economics

UTIA AgResearch Faculty Fellow, 2022-2023

Co-Director of Farm Credit Scholars, 2019-2021

- University of Tennessee, Herbert College of Agriculture

Associate Professor (78% Research and 22% Teaching), 2017-2022

- University of Tennessee, Department of Agricultural and Resource Economics

Assistant Professor (80% Research and 20% Teaching), 2012-2016

- University of Tennessee, Department of Agricultural and Resource Economics

PROGRAM SUMMARY

My research program can be generally described as farm business management with a specific focus on analyzing ways to help producers increase their profits or help manage risk. The goal of my program is to enhance the long-term economic sustainability of farm businesses in Tennessee and across the United States. I have authored or co-authored 117 refereed journal articles and 26 Extension reports on these topics. I have written or had my research quoted in various popular press outlets such as BEEF, Farm Press, Farm Progress, Progressive Farm, Southern Ag Today, Crop & Soils Magazine, and Progressive Forages. I frequently work in multidisciplinary teams and with Extensions Specialists to identify and address relevant and important real-world research questions. I have been the principal investigator (PI) on \$1.8 million in grant projects

and worked as co-PI on 42 grant projects totaling \$42.6 million. I have also taught 30 courses, mentored 46 graduate students as chair or co-chair, and 14 undergraduate researchers. Dr. Boyer has served as Southern Ag Economics Association director and currently the editor at Journal of Agricultural and Applied Economics.

SERVICE

University Service

University of Tennessee, Strategic Vision Refresh Advisory Group, 2026
Department Head Search for Agricultural Leadership, Education, and Communication Search Chair, 2025-2026
AgResearch Assistant Dean of Field Operations Search Committee, 2025
AgResearch REC Budget Committee Chair, 2025
UTIA Office of Sponsored Programs Coordinator Search Chair, 2024
UTIA AgResearch Seed Grant Proposal Reviewer, 2023
UTIA AgResearch Sustainable Budget Model Taskforce, 2022

- Co-chair

Committee member, UTIA Beef and Forage Center Director, 2022
Committee member, East Tennessee Research and Education Center Director Search, 2022
Herbert College of Agriculture, Faculty Teaching Grant Review Panel, 2022
Co-Founder of UTIA, Smoking School, 2021-2025
UTIA Office of the Provost, B.A. Major Review, 2021
UTIA AgResearch Faculty Innovation Council, 2020-2023

- Chair, 2020-2021

UTIA AgResearch Strategic Action Plan Committee, 2020
UTIA AgResearch Faculty Fellows Presenter, 2020
UTIA AgResearch Robotic Milker Advisory Team, 2020
UTIA Advisory Council member, 2019-2021

- Chair, 2020-2021

UTIA AgResearch New Faculty Orientation Presenter, 2019
University of Tennessee, Knoxville Office of Research and Engagement Internal Grant Reviewer, 2019 & 2020
Faculty Senator, AgResearch Representative, 2017-2020
Search Committee, Greenville Research and Education Center Director, 2019
Search Committee, Department Head in Agricultural and Resource Economics, 2019
University of Tennessee Institute of Agriculture, Promotion and Tenure Workshop Presenter, 2017, 2019
Tenure Review Committee, Department of Agricultural Leadership, Education, and Communication, 2017
Search Committee, Assistant Professor in the Department of Agricultural Leadership, Education, and Communication, 2012
Herbert College of Agriculture Award Committee, 2019
Search Chair, Herbert School of Agriculture Coordinator for Communication and Employer /Alumni Engagement, 2018

Departmental Service

AREC Academic Program Review Team Co-Leader, 2023
Visioning Committee for Gibbs Endowed Position, 2022
Undergraduate Advisor, 2016-2021
Undergraduate Curricula Committee, 2014-2021
Graduate Student Math Camp Curricula Development and Presenter, 2019
Co-Mentor of Three Junior Faculty, 2018-2021
Committee Member:

- Student and Faculty Awards Committee, 2016-2019
- Faculty Teaching Review, 2016, 2018, 2019, 2021
- Faculty Search Committee, 2013, 2018, 2021, 2022
- Strategic Review Undergraduate Curricula Committee, 2014-2015
- Review Committee for Extension Publication, 2012-2021

Committee Chair:

- Ad-Hoc AREC Committee on Positions, 2021
- Student and Faculty Awards Committee, 2020-2021
- Faculty Teaching Review, 2020

Strategic Review Undergraduate Curricula Committee, 2014-2015

Professional Service

AAEA CHAIRS Section, Treasury 2025-2026
Editor, Journal of Agricultural and Applied Economics, 2023-2026
External Tenure and Promotion Reviewer, Four faculty, 2019, 2020, 2022, 2023, 2025
Hatch Project Reviewer, 2020
Editorial Council, Journal of Agricultural and Applied Economics, 2019-2021
Director, Southern Agricultural Economics Association (SAEA), 2019-2021
Beltwide Cotton Conference, Economics Market Section

- Co-Chair & Chair, 2019-2021

SAEA Undergraduate Quiz Bowl, Faculty Team member, 2019, 2020
SAEA, IT/AV Committee, 2019-2021
United States Department of Agriculture National Institute of Food and Agriculture, Proposal Reviewer, 2016 & 2018
Associate Editor, Agrosystems, Geosciences, and Environment, 2018-2020
Associate Editor, Agronomy Journal, 2016-2020
Annual Meeting Abstract Reviewer

- Agricultural & Applied Economics Association (AAEA), 2014-2025
- Western Agricultural Economics Association (WAEA), 2017-2018, 2020
- SAEA, 2019-2021

Professional Meeting Session Moderator

- Beltwide Cotton Conference, 2021
- AAEA Annual Meeting, 2018
- SAEA Annual Meeting, 2013, 2018, 2019
- WAEA Annual Meeting, 2020

AAEA Graduate Student Case Competition Judge, 2017
SAEA, Master's Thesis Award Committee, 2016-2019
AAEA, Outstanding Master's Thesis Award Committee, 2012-2015

Peer Reviewed Journal Reviewer, 100 plus manuscripts, which include

- *Agricultural Economics, Agricultural and Resource Economics Review, American Journal of Agricultural Economics, Canadian Journal of Agricultural Economics, Journal of Agricultural and Applied Economics, and Journal of Agricultural and Resource Economics*

HONORS & AWARDS

Herbert College of Agriculture W.F. and Golda Moss Outstanding Teaching Award, 2025

Texas A&M University College of Agriculture Outstanding Early Career Award, 2023

Office of Research, Innovation & Economic Development, Expanding Horizons Faculty Development Program, 2022-2023

University of Tennessee, AgResearch, Mid-Career Faculty Research Excellence Award, 2022

Southern Agricultural Economics Association, Distinguished Professional Contribution Award, 2022

University of Tennessee, Alpha Gamma Rho, Outstanding UT Personnel Award, 2021

University of Tennessee, AgResearch, T.J. Whatley Distinguished Young Scientist Award, 2018

University of Tennessee, Chancellor's Award for Success in Multidisciplinary Research, 2018

University of Tennessee, College of Agricultural and Natural Resources, Glynn and Lynda Newton Entrepreneurial Development Award, 2018

Southern Agricultural Economics Association, Emerging Scholar, 2017

University of Tennessee Institute of Agriculture, Travel Grant Award, 2016, 2018

University of Tennessee, Gamma Sigma Delta, Faculty Team Award, 2012

LEADERHIP TRAINING

Lead21, 2024, Cohort 20

Fasttrack Leadership Development Program, 2023

Black Sheep, Your Leadership Brand, 2020, 2021

Gettysburg Leadership Experience, 2018

PUBLICATIONS

* Supervised Graduate Student; ** Committee Member of Graduate Student; *** Supervised Undergraduate Student

Referred Journal Articles

1. Duncan*, W.H., C.N. Boyer, E. Park, and S.A. Smith. "Evaluating Feral Swine Eradication and Control Pilot Program Impact on Crop Indemnities." *Applied Economic Policy and Perspectives*
2. Chen, L., R. Rejesus, Z. Brown, and C.N. Boyer. "Dynamically Optimal Cover Crop Adoption." *European Review of Agricultural Economics*
3. Duncan*, W.H., C.N. Boyer, S.A. Smith, and E. Park. "What is Driving Non-Reported National Agricultural Statistics Service Yields?" *Journal of American Society of Farm Managers and Rural Appraisers* 42-51. ([Link](#))

4. Park, E., **C.N. Boyer**, and C.L. Neill. “A Markov Regime Switching Event Response Model: Beef Price Spread Response to Processing Capacity Shocks” *Empirical Economics* 68:1039-1071. ([Link](#))
5. Hagen, A.G., K.L. DeLong, A.P. Griffith, **C.N. Boyer**, K.L. Jensen, and S.M. Schexnayder. 2025. “Feedlot Willingness to Pay for Genomic Tested Feeder Cattle.” *Journal of Extension* 63(3): 1-9. ([Link](#))
6. **Boyer, C.N.**, E. Park, A.F. Ramsey, and C.C. Martinez. 2025. “Formula and Cash Negotiated Fed Cattle Price Relationships.” *Journal of Agricultural and Resource Economics* 50(1): 62-74. ([Link](#))
7. Huseynov, S., **C.N. Boyer**, C.C. Martinez, K.L. DeLong, and A.P. Griffith. 2025. “The Role of Recency Bias and Price Salience in Insurance Take-Up Decision.” *Journal of Agricultural and Resource Economics* 50(1): 21-38. ([Link](#))
8. Corbin**, M., R. Nave, H. Naumann, G. Bates, and **C.N. Boyer**. 2024. “Does adding legumes to tall fescue pastures before stockpiling improve productivity and animal performance.” *Agronomy Journal* 116(6):3081-3096 ([Link](#))
9. Corbin**, M., R. Nave, H. Naumann, G. Bates, **C.N. Boyer**, O. G. de Almeida. 2024. “Inclusion of cool and warm-season species in tall fescue swards for increased productivity” *Agronomy Journal* 116(6):3158-3170 ([Link](#))
10. **Boyer, C.N.**, L. Chen, G. Perez-Quesada, and S.A. Smith. 2024. “Unwelcomed Guests: Impact of Deer Harvest on Corn and Soybean Wildlife Damage.” *Crop Protection* 184:106753. ([Link](#))
11. **Boyer, C.N.**, E. Park, G. Perez Quesada, C. Hellwinckel, S.A. Smith, and W. Maples. 2024. “Estimating Prevented Planting Coverage Factor Variation” *Agricultural and Resource Economics Review* 53(2):356-370. ([Link](#))
12. **Boyer, C.N.**, K.L. DeLong, A.P. Griffith, and C.C. Martinez. 2024. "Factors Influencing United States Cattle Producers' Use of Livestock Risk Protection." *Agricultural Economics* 55(4):677-689. ([Link](#))
13. **Boyer, C.N.**, W.H. Duncan, and E. Park, 2024. “Simulating Prevented Planting Coverage Factors based on Cost Reimbursement” *Journal of American Society of Farm Managers and Rural Appraisers* 6-16. ([Link](#))
14. **Boyer, C.N.**, K.E. Cavazos. J.A. Greig, and S.M. Schexnayder. 2024. “Influence of Risk and Trust on Beef Producers’ Adoption of Precision Livestock Farming” *Computers and Electronics in Agriculture* 218:108641 ([Link](#))

15. **Boyer, C.N.**, C. Stripling, K. Martin. 2023. "Incentivizing E-Learning Agribusiness Professional Development Content for Tennessee Secondary Teachers." *Advancements in Agricultural Development* 4(4):1-9. [\(Link\)](#)
16. Haley**, W.A., H.W. Duncan*, **C.N. Boyer**, and C.C. Martinez. 2023. "In-Person vs. Online Bidding: Impacts on Female Cattle Prices." *Applied Animal Science* 39(6):520-524. [\(Link\)](#)
17. **Boyer, C.N.**, E. Park, A.P. Griffith, K.L. DeLong, and C.C. Martinez. 2023. "Feeder and Fed Cattle Purchases of Livestock Risk Protection" *Agricultural Finance Review* 83(4/5):720-733. [\(Link\)](#)
18. Greig, J., **C.N. Boyer**, S. Schexnayder, and K. Cavasos. 2023. "Diffusion of Innovation, Internet Access, and Adoption Barriers for Precision Livestock Farming among Beef Producers." *Advancements in Agricultural Development* 4(3):103-116. [\(Link\)](#)
19. Ingram**, S., C.C. Martinez, **C.N. Boyer**, S. Huseynov, T. Rowan, M. Taylor, and E. Alizada. 2023. "Predicting Seedstock Bull Prices: Does Information Matter?" *Journal of Agricultural and Applied Economics* 55(2):341-357. [\(Link\)](#)
20. Smith**, K., K.L. DeLong, A. Griffith, **C.N. Boyer**, C. Martinez, and K. Jensen. 2023. "Cow-Calf Producer Preferences for Bull Genomic-Enhanced Expected Progeny Differences." *Journal of Agricultural and Resource Economics* 48(3): 520-539. [\(Link\)](#)
21. **Boyer, C.N.**, C.C. Martinez, J. Benavidez, and J.G. Maples. 2023. "Price Ranges from Fed Cattle Negotiated Cash Sale." *Applied Economic Perspectives and Policy* 45(3):1659-1671. [\(Link\)](#)
22. **Boyer, C.N.**, D.M. Lambert, C.C. Martinez, and J.G. Maples. 2023. "Beef and Pork Processing Plant Labor Costs." *Agribusiness: An International Journal* 39(3):691-702. [\(Link\)](#)
23. DeLong, K., K. Jensen, A.P. Griffith, **C.N. Boyer**, and C. Martinez. 2023. "Producer Preferences Towards Adopting Feeder Cattle Genomic Tests." *Journal of Agricultural and Applied Economics Association* 2(2):334-349. [\(Link\)](#)
24. Jones***, S., **C.N. Boyer**, H. Ferguson, B. Mayfield, and C.C. Martinez. 2023. "Price Determinants of Graded Feeder Cattle Sale." *Applied Animal Science* 39(3):156-160. [\(Link\)](#)
25. Tang**, M., M.N. Thompson, **C.N. Boyer**, N.J. Olynk Widmar, J.L. Lusk, T.S. Stewart, D.L. Lofgreen, and N. Minton. 2023. "Temporal Changes in the Valuation of Angus Bull Attributes in the Midwest." *Journal of Agricultural and Resource Economics* 48(2):412-427. [\(Link\)](#)
26. **Boyer, C.N.**, E. Park, and S. Yun. 2023. "Corn and Soybean Prevented Planting Acres Response to Weather." *Applied Economic Perspectives and Policy* 45(2):970-983. [\(Link\)](#)

27. Key*, C., **C.N. Boyer**, C.C. Martinez, and K. Mason. 2023. "Optimal Stocker Production Strategies for Spring and Fall Calving Cow Herd." *Journal of Agricultural and Applied Economics* 55(1):57-71. ([Link](#))
28. Quinby**, M., R. Nave, N. Hill, V.R. Sykes, G. Bates, M. Levi, and **C.N. Boyer**. 2023. "Corn Production in Living Mulch Systems in the Southeastern U.S." *Agronomy Journal* 115(3):1320-1334. ([Link](#))
29. Martinez, C., P. Li, **C.N. Boyer**, T. E. Yu, and J.G. Maples. 2023. "Beef Price Spread Relationship with Processing Capacity Utilization." *Journal of Agricultural and Applied Economics Association* 2:133-145. ([Link](#))
30. **Boyer, C.N.**, and A.P. Griffith. 2023. "Increasing Livestock Risk Protection Subsidies Impact on Producer Premiums" *Agricultural Finance Review* 83(2):201-210. ([Link](#))
31. Martinez, C.C., **C.N. Boyer**, T.E. Yu, S.A. Smith, and A. Rabinowitz. 2023. "Ad Hoc Government Payments Impact on Non-Real Estate Farm Debt." *Agricultural Finance Review* 83(1):83-95. ([Link](#))
32. **Boyer, C.N.**, and A.P. Griffith. 2023. "Subsidy Rate Changes on Livestock Risk Protection for Feeder Cattle" *Journal of Agricultural and Resource Economics* 48(1):31-45. ([Link](#))
33. Thompson***, T., **C.N. Boyer**, C.C. Martinez, T.N. Rowan, and J. Rhinehart. 2022. "Valuation of Genomic-Enhanced Expected Progeny Differences in Bull Purchasing." *Journal of Agricultural and Applied Economics* 54:713-722. ([Link](#))
34. Smith**, K. V., K. DeLong, **C.N. Boyer**, J.M. Thompson, S. Lenhart, W. C. Strickland, E. R. Burgess, IV, Y. Tian, J. Talley, E. T. Machtinger, R. T. Trout Fryxell. 2022. "A Call for the Development of a Sustainable Pest Management Program for the Economically Important pest flies of Livestock: A Beef Cattle Perspective." *Journal of Integrated Pest Management* 14(1):1-14. ([Link](#))
35. Brazil, K.A., P. Keyser, A.P. Griffith, **C.N. Boyer**, and T. Mulliniks. 2022. "Perennial Warm-Season Grass Forages Impact on Cow-Calf Profitability in the Fescue Belt." *Journal of Applied Farm Economics* 5(1), Article 2. ([Link](#))
36. Martinez, C.C., D. Anderson, and **C.N. Boyer**. 2022. "Determinations of Graded Brisket Prices." *Meat and Muscle Biology* 6(1):13874:1-7. ([Link](#))
37. **Boyer, C.N.**, D.M. Lambert, A.P. Griffith, and C.D. Clark. 2022. "Factors Influencing Use and Frequency of Rotational Grazing for Beef Cattle in Tennessee." *Journal of Agricultural and Applied Economics* 54(2):394-406. ([Link](#))
38. Smith**, K., K.L. DeLong, A.P. Griffith, **C.N. Boyer**, C.C. Martinez, S. Schexnayder, and R. Trout-Fryxell. 2022. "The Influence of Farm Demographics and Producer Perceptions on

- Cow-Calf Producer Horn Fly (Diptera: Muscidae) Management Costs in Tennessee and Texas.” *Journal of Economic Entomology* 115(1): 371-380. [\(Link\)](#)
39. Duncan, H.***, J. Eicher***, W.M. Bracey, V.R. Sykes, **C.N. Boyer**, A.L. Wszelki, F. Yin, G.E. Bates, and D.M. Butler. 2022. “Is Harvesting Cover Crops for Hay Profitable when Planting Corn and Soybean in Tennessee?” *Agronomy* 12(6):1353. [\(Link\)](#)
 40. Ren**, Y., D.M. Lambert, **C.N. Boyer**, C.D. Clark, and A.P. Griffith. 2022. “Adoption of Warm Season Grasses by Beef Cattle Producers in the Fescue Belt.” *Journal of Agricultural and Resource Economics* 47(1):190-208. [\(Link\)](#)
 41. Bruhin**, J., C. Trejo-Pech, **C.N. Boyer**, and S.A. Smith. 2022. “Profitability, Risk, and Cash Flow Deficit for Beginning Cow Calf Producers.” *Agricultural Finance Review* 82(1):1-19. [\(Link\)](#)
 42. **Boyer, C.N.**, and A.P. Griffith. 2021. “Livestock Risk Protection for Feeder Cattle during COVID-19.” *Choices* Quarter 4. [\(Link\)](#)
 43. Sharma**, B.P., T.E. Yu, B.C. English, and **C.N. Boyer**. 2021. “The Decarbonization Effect of Developing a Sustainable Aviation Fuel Supply Chain Incorporating Carbon Credits.” *Frontiers in Energy Research* 9:775389. [\(Link\)](#)
 44. Martinez, C.C., **C.N. Boyer**, K.H. Burdine. 2021. “Price Determinants for Feeder Cattle in Tennessee.” *Journal of Agricultural and Applied Economics* 53:552-562. [\(Link\)](#)
 45. Lo**, Y-L., C.D. Clark, **C.N. Boyer**, D.M. Lambert, B.C. English, and F.R. Walker. 2021. “Middle and West Tennessee Producer Perceptions of No-Till and Cover Crops.” *Journal of Soil and Water Conservation* 76(5):392-402. [\(Link\)](#)
 46. Street**, A., C. Stripling, J.C. Ricketts, N.W. Conner, and **C.N. Boyer**. 2021. “Identifying Tennessee Agricultural Education Student Growth and Program Accountability Metrics.” *Advancement in Agricultural Development* 2(2):86-96. [\(Link\)](#)
 47. **Boyer, C.N.**, A.P. Griffith, and K.L. DeLong. 2021. “Evaluating Optimal Purchasing and Selling Decisions of Beef Cattle Replacement Females.” *Agricultural Finance Review* 81(3):430-443. [\(Link\)](#)
 48. Pasaribu, K.N., L.H. Lambert, D.M. Lambert, B.C. English, C.D. Clark, C. M. Hellwinckel, **C.N. Boyer**, and A. Smith. 2021. “Profitability of Irrigating for Corn, Cotton, and Soybean under Projected Drought Scenarios.” *Irrigation Science* 39(3):315-328. [\(Link\)](#)
 49. Campbell*, K., **C.N. Boyer**, D.M. Lambert, C.D. Clark, and S.A. Smith. 2021. “Risk, Cost-Share Payment, and Adoption of Cover Crops and No-Till.” *Journal of Soil and Water Conservation* 76(2):166-174. [\(Link\)](#)

50. **Boyer, C.N.**, K. Burdine, J. Rhinehart, and C. Martinez. 2021. “Replacing Late Calving Beef Cows to Shorten Calving Season.” *Journal of Agricultural and Resource Economics* 43(2):228-241. ([Link](#))
51. **Boyer, C.N.**, A.P. Griffith, J. Thompson, J. Rhinehart, and K. Burdine. 2020. “Bred Heifer Price Determinants in the Southeast.” *Journal of Applied Farm Economics* Vol. 3, Iss. 2, Article 2. ([Link](#))
52. **Boyer, C.N.**, S. Butler, T. Raper, M. Buschermohle, D. Dodds, and A. Jones. 2020. “Profit-Maximizing Planting Date and Seeding Rate for Upland Cotton in the Mid-South.” *Journal of Cotton Science* 24:183-188. ([Link](#))
53. **Boyer, C.N.**, T.E. Yu, J. Rhinehart, A. Ahles, and M. Gill. 2020. “Does Tennessee Master Beef Producer Program Impact Technical Efficiency?” *Western Economic Forum* 18(2):7-14. ([Link](#))
54. Larson, J.A., M. Stefanini**, X. Yin, **C.N. Boyer**, D.M. Lambert, X. Zhou, B.S. Tubana, P. Scharf, J.J. Varco, D.J. Dunn, H.J. Savoy, and M.J. Buschermohle. 2020. “Effects of Landscape, Soils, and Weather on Yields, Nitrogen Use, and Profitability with Sensor-Based Variable Rate Nitrogen Management in Cotton.” *Agronomy* 10:1858. ([Link](#))
55. **Boyer, C.N.**, K. Burdine, and K. Laurent. 2020. “Factors Influencing Bred Heifer Sale Prices in a Sequential Auction.” *Applied Animal Science* 36(5):754-759. ([Link](#))
56. Sharma**, B.P., T.E. Yu, B.C. English, **C.N. Boyer**, and J.A. Larson. 2020. “Impact of Government Subsidies on a Cellulosic Biofuel Sector with Diverse Risk Preferences toward Feedstock Uncertainty.” *Energy Policy* 146:111737. ([Link](#))
57. Adkins*, K., **C.N. Boyer**, S.A. Smith, A.P. Griffith, and A. Muhammad. 2020. “Analyzing Corn and Cotton Producers Optimal Prevented Planting Decision on Moral Hazard.” *Agronomy Journal* 112(3):2047-2057. ([Link](#))
58. Tang**, M., M.N. Thompson, **C.N. Boyer**, N.J. Olynk Widmar, J.L. Lusk, T.S. Stewart, D.L. Lofgreen, and N. Minton. 2020. “Temporal Changes in the Valuation of Angus Bull Attributes in the Midwest.” *Journal of Agricultural and Resource Economics* 45(3):518-532. ([Link](#))
59. **Boyer, C.N.**, A.P. Griffith, and K.G. Polher. 2020. “Improving Beef Cattle Profitability by Changing Calving Season Length” *Journal of Applied Farm Economics* 3(1):2. ([Link](#))
60. Jordan**, S.L. C.T. Stripling, **C.N. Boyer**, C.A. Stephens, and N.W. Conner. 2020. “Academic-Related Perceptions, Beliefs, and Strategies of Undergraduate Agricultural Students.” *Advancements in Agricultural Development* 1(1):75-85. ([Link](#))

61. **Boyer, C.N.**, K. Zechiel, P.D. Keyser, J. Rhinehart, and G. Bates. 2020. “Risk and Returns from Grazing Beef Cattle on Warm-Season Grasses in Tennessee” *Agronomy Journal* 112(1):301-308. [\(Link\)](#)
62. **Boyer, C.N.**, D.M. Lambert, A.P. Griffith, C.D. Clark, and B. English. 2020. “Seasonal Hay Feeding for Cattle Production in the Fescue Belt.” *Journal of Agricultural and Applied Economics* 52:16-29. [\(Link\)](#)
63. **Boyer, C.N.**, A.P. Griffith, and K.L. DeLong. 2020. “Reproductive Failure and Long-Term Profitability of Spring and Fall Calving Beef Cows.” *Journal of Agricultural and Resource Economics* 45(1):78-91. [\(Link\)](#)
64. Dossett, J., C.T. Stripling, J.C. Haynes, C.A. Stephens, and **C.N. Boyer**. 2019. “Mathematics Efficacy and Professional Development needs of Tennessee Agricultural Education Teachers.” *Journal of Agricultural Education* 60(4):255-271. [\(Link\)](#)
65. McKay**, L.C., K.L. DeLong, K.L. Jensen, A.P. Griffith, **C.N. Boyer**, and D.M. Lambert. 2019. “Restaurants Willingness to Pay for Tennessee Certified Beef.” *Agribusiness: An International Journal* 35(4):610-624. [\(Link\)](#)
66. **Boyer, C.N.**, K. Campbell*, A.P. Griffith, K.L. DeLong, J. Rhinehart, and D. Kirkpatrick. 2019. “Price Determinants of Performance Tested Bulls over Time” *Journal of Agricultural and Applied Economics* 51:304-314. [\(Link\)](#)
67. **Boyer, C.N.**, and S.A. Smith. 2019. “Evaluating Changes to Prevented Planting Provision on Moral Hazard.” *Journal of Agricultural and Applied Economics* 51:315-327. [\(Link\)](#)
68. Keyser, P., S.S. Schexnayder, A.S. Wilcox, G. Bates, and **C.N. Boyer**. 2019. “Identifying Barriers to Forage Innovation: Native Grasses and Producer Knowledge.” *Journal of Extension* 57(6)6RIB4. [\(Link\)](#)
69. Stefanini**, M., J.A. Larson, D.M. Lambert, X Yin, X., **C.N. Boyer**, P. Scharf, B. Tubaña, J. Varco, D. Dunn, H. Savoy, and M. Buschermohle. 2019. "Effects of Optical Sensing based Variable Rate Nitrogen Management on Yields, Nitrogen Use, and Profitability for Cotton” *Precision Agriculture* 20(3):591-610. [\(Link\)](#)
70. De Matteis**, M.C., T.E. Yu, **C.N. Boyer**, and K. Lewis. 2019. “Analyzing Determinants of U.S. Distillers Dried Grains with Soluble Exports.” *Agribusiness: An International Journal* 35:168-181. [\(Link\)](#)
71. Sharma**, B.P., T.E. Yu, B.C. English, **C.N. Boyer**, and J.A. Larson. 2019. “Stochastic Optimization of Cellulosic Biofuel Supply Chain Incorporating Feedstock Yield Uncertainty.” *Energy Procedia* 158:1009-1014. [\(Link\)](#)

72. Cho, S.H., Soh**, M., E. Yu, B. English, and **C.N. Boyer**. 2019. “Targeting Payments for Ecosystem Services Given Ecological and Economic Objectives.” *Forest Policy and Economics* 100:214-226. ([Link](#))
73. Harmon*, X., **C.N. Boyer**, D.M. Lambert, J.A. Larson, and D.D. Tyler. 2018. “Influence of Cover Crop and Tillage System on Optimal Nitrogen Rate for Tennessee Cotton Considering Risk.” *Journal of Cotton Science* 22:211-220. ([Link](#))
74. McFarlane**, Z.D., **C.N. Boyer**, and T. Mulliniks. 2018. “Profitability of Developing Heifers on Stockpiled Winter Forages.” *Journal of Applied Farm Economics* 2(2):Article 1. ([Link](#))
75. Zhou, X., J.A. Larson, X. Yin, H. Savoy, A. McClure, E. Essington, and **C.N. Boyer**. 2018. “Profitability of Enhanced Efficiency Urea Fertilizers in No-Tillage Corn Production.” *Agronomy Journal* 110(4):1439-1446. ([Link](#))
76. Edge**, B., M. Velandia, **C.N. Boyer**, J.A. Larson, D.M. Lambert, R.K. Roberts, B. Wilson, M. Buschermohle, B.C. English, R. Rejesus, and L. Falconer. 2018. “Automatic Section Control Technologies and GPS Auto-Guidance System Adoption in Cotton Production.” *Journal of Agricultural Sciences* 10(7):282-294. ([Link](#))
77. De Matteis**, M.C., T.E. Yu, **C.N. Boyer**, K. Lewis, and J. Smith. 2018. “Economic and Environmental Implications of Using Distillers’ Dried Grains with Solubles in Feed Rations of Growing and Finishing Swine in Argentina.” *International Journal of Agribusiness Management Review* 21(6):803-216. ([Link](#))
78. **Boyer, C.N.**, D.M. Lambert, J.A. Larson, and D.D. Tyler. 2018. “Investment Analysis of Cover Crop and No-Tillage Systems on Tennessee Cotton.” *Agronomy Journal* 110(1):331-338. ([Link](#))
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126. **Boyer, C.N.**, D.C. Adams, and J. Lucero. 2010. "Rural Coverage Bias in Online Surveys?: Evidence from Oklahoma Water Managers." *Journal of Extension* 48(3). ([Link](#))

Extension Publications

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2. Griffith, A.P., K.V. Smith**, K. DeLong, **C.N. Boyer**, C.C. Martinez, S. Schexnayder, and R. Trout Fryxell. 2023. “Cost of Horn Fly Control for Cow-Calf Producers in Tennessee and Texas.” University of Tennessee Publication, W1189. [\(Link\)](#)
3. Griffith, A.P., K.L. DeLong, K.L. Jensen, **C.N. Boyer**, and C. Martinez. 2023. “Feeder Cattle Genomic Tests: Analyzing Cattle Producers Adoption Decision.” University of Tennessee Extension Publication, W1183. [\(Link\)](#)
4. Ingram**, S., C. Martinez, K. DeLong, A.P. Griffith, and C.N. Boyer. 2023. “Importance of Information in the Tennessee Bull Market.” University of Tennessee Extension Publication, W1172. [\(Link\)](#)
5. Ingram**, S., C. Martinez, S.A. Smith, **C.N. Boyer**, and W. Regmund. 2023. “Cattle Crush Spread: A Hedging Technique and Retainment Decision Aid Tool.” University of Tennessee Extension Publication, W1155-A. [\(Link\)](#)
6. Martinez, C., **C.N. Boyer**, S. Ingram**, and H. Ferguson***. 2022. “Lot Size Effects When Selling Feeder Cattle.” University of Tennessee Extension Publication, W1037-A. [\(Link\)](#)
7. Griffith, A.P., **C.N. Boyer**, and I. Kane. 2022. “Summary: Price Risk Management Contributions to Economic Sustainability in the Cattle Industry.” University of Tennessee Extension Publication, W1097-A. [\(Link\)](#)
8. Griffith, A.P., **C.N. Boyer**, and I. Kane. 2022. “Literature Review: Price Risk Management Contributions to Economic Sustainability in the Cattle Industry.” University of Tennessee Extension Publication, W1097-B. [\(Link\)](#)
9. Griffith, A.P., **C.N. Boyer**, and I. Kane. 2022. “Producer Focus Group: Price Risk Management Contributions to Economic Sustainability in the Cattle Industry.” University of Tennessee Extension Publication, W1097-C. [\(Link\)](#)
10. Griffith, A.P. and **C.N. Boyer**. 2022. “Implications of Livestock Risk Protection Subsidy Rate Change for Feeder Cattle.” University of Tennessee Extension Publication, W1087. [\(Link\)](#)
11. Martinez, C., **C.N. Boyer**, J. Rhinehart, and K. Burdine. 2021. “Replacing Late Calving Beef Cows to Shorten Calving Season.” University of Tennessee Extension Publication, W996. [\(Link\)](#)
12. Griffith, A.P., **C.N. Boyer**, J.M. Thompson, J. Rhinehart, K. Burdine, and K. Laurent. 2021. “Factors Influencing Bred Heifer Price.” University of Tennessee Extension Publication, W997. [\(Link\)](#)

13. Griffith, A. P., **C.N. Boyer**, and K. L. DeLong. 2021. “Purchasing and Selling Decisions of Beef Cattle Replacement Females.” University of Tennessee Extension, Publication W1004. [\(Link\)](#)
14. Best***, S., A.S. Smith, and **C.N. Boyer**, and A.P. Griffith. 2021. “An Introduction to Basic Farm Financial Statements: Income Statement.” University of Tennessee Extension Publication, W983. [\(Link\)](#)
15. **Boyer, C.N.**, C.C. Martinez, and D.W. Hughes. 2020. “National Beef Cattle Slaughter Marketing Margins.” University of Tennessee Extension Publication, W939. [\(Link\)](#)
16. Griffith, A.P., J.D. Rhinehart, **C.N. Boyer**, and C. Carter. 2020. “Cost-Benefit Analysis of Timed A.I. and Natural Service in Beef Cattle.” University of Tennessee Extension Publication, W899. [\(Link\)](#)
17. Campbell***, V., S.A. Smith, **C.N. Boyer**, and A.P. Griffith. 2020. “An Introduction to Basic Farm Financial Statements: Balance Sheet.” University of Tennessee Extension Publication, W884. [\(Link\)](#)
18. Griffith, A.P., **C.N. Boyer**, and K.G. Pohler. 2020. “Improving Beef Cattle Profitability by Changing Calving Season Length.” University of Tennessee Extension Publication, W879. [\(Link\)](#)
19. Griffith, A.P., **C.N. Boyer**, K. Campbell*, K.L. DeLong, J. Rhinehart, and D. Kirkpatrick. 2020. “Price Determinants of Performance-tested Bulls Over Time in Tennessee.” University of Tennessee Extension Publication, W873. [\(Link\)](#)
20. **Boyer, C.N.**, K.L. DeLong, and J. Menard. 2020. “Tennessee Cattle Auction Market Trends.” University of Tennessee Extension Publication, W870. [\(Link\)](#)
21. Griffith, A.P., **C.N. Boyer**, and K.L. DeLong. 2019. “Reproductive Failure Impact on Retained Beef Heifer Profitability.” University of Tennessee Extension Publication, W850. [\(Link\)](#)
22. Griffith, A.P., **C.N. Boyer**, D.M. Lambert, C.D. Clark, and B. English. 2019. “Seasonal Hay Feeding for Cattle Production in Tennessee.” University of Tennessee Extension Publication, W839. [\(Link\)](#)
23. McKay**, L.C., K.L. DeLong, K.L. Jensen, A.P. Griffith, **C.N. Boyer**, and D.M. Lambert. 2019. “Estimating Restaurants’ Willingness to Pay for Local Beef.” University of Tennessee Extension Publication, W830. [\(Link\)](#)
24. Zhou, X., J.A. Larson, X. Yin, H. Savoy, A. McClure, E. Essington, and **C.N. Boyer**. 2019. “Effects of Enhanced Efficiency Urea on No-Tillage Corn Yields and Profit.” University of Tennessee Extension Publication, W828. [\(Link\)](#)

25. Adkins*, K., **C.N. Boyer**, S.A. Smith, A.P. Griffith, and A. Muhammad. 2019. “Corn and Cotton Producers’ Prevented Planting Decision.” University of Tennessee Extension Publication, W820. [\(Link\)](#)
26. **Boyer, C.N.**, A.P. Griffith, J. Rhinehart, and D. Kirkpatrick. 2018. “Bull Qualification for Tennessee Agricultural Enhancement Program Through the University of Tennessee Bull Testing Sale.” University of Tennessee Extension Publication, W665. [\(Link\)](#)
27. DeLong, K.L., A.P. Griffith, M. Tang**, D.M. Lambert, and **C.N. Boyer**. 2017. “Profitability of Retained Ownership: Tennessee Beef Evaluation.” University of Tennessee Extension Publication, W427-A. [\(Link\)](#)
28. DeLong, K.L., A.P. Griffith, M. Tang**, D.M. Lambert, and **C.N. Boyer**. 2017. “Summary of Profitability of Retained Ownership: Tennessee Beef Evaluation.” University of Tennessee Extension Publication, W427-B. [\(Link\)](#)
29. Griffith, A.P., **C.N. Boyer**, G.W. Henry*, J.A. Larson, S.A. Smith, and K.E. Lewis. 2017. “Fall Versus Spring and Fall Calving: Considerations and Profitability Comparison.” University of Tennessee Extension, W419. [\(Link\)](#)
30. Hughes, D.W., R.W. Holland, C. Everett**, **C.N. Boyer**, and K.L. Jensen. 2016. “Growth Prospects for the Tennessee Wine Industry: An Overview, Demand, and Cost of Production Based Analysis.” University of Tennessee Extension, PB1844. [\(Link\)](#)

Popular Press

1. Park, E., **C.N. Boyer**, A. Smith, and H. Duncan. 2025 “Feral Swine Eradication and Control Pilot Program and Crop Insurance Indemnities” October [\(Link\)](#)
2. Martinez, C., D.E. Mundy, and **C.N. Boyer**. 2025 “Dairy Semen Market Trends” August [\(Link\)](#)
3. Martinez, C., P. Wyatt, and **C.N. Boyer**. 2025 “Beef Slaughter Capacity Utilization” July [\(Link\)](#)
4. Martinez, C., **C.N. Boyer**, E. Park, and A.F. Ramsey. 2024. “The Relationship Between Formula and Negotiated Cash Fed Cattle Prices” August [\(Link\)](#)
5. Duncan, W.H., **C.N. Boyer**, S.A. Smith. 2024. “Corn and Cotton Prevented Planting Decision.” Southern Ag Today, April [\(Link\)](#)
6. Haley, W, C.C. Martinez, and **C.N. Boyer**. 2024. “Dairy Revenue Protection Historical Performance for Component Price.” Southern Ag Today, February [\(Link\)](#)

7. Haley, W, C.C. Martinez, and **C.N. Boyer**. 2023. “Dairy Revenue Protection Historical Performance for Class Price.” Southern Ag Today, October ([Link](#))
8. Duncan*, H., **C.N. Boyer**, and S.A. Smith. 2023. “Soybean Indemnity Payments for Wildlife Damage. Southern Ag Today, July ([Link](#))
9. **Boyer, C.N.**, C. Martinez. A.P. Griffith, and K.L. DeLong. 2023. “Uptick in Livestock Risk Protection for Fed Cattle.” Southern Ag Today, June ([Link](#))
10. **Boyer, C.N.**, C. Martinez. A.P. Griffith, and K.L. DeLong. 2023. “Uptick in Livestock Risk Protection for Feeder Cattle.” Southern Ag Today, June ([Link](#))
11. Smith, A., and **C.N. Boyer**. 2023. “Urea, Natural Gas, and Corn Price Correlations.” Southern Ag Today, May ([Link](#))
12. Martinez, C., P. Li, **C.N. Boyer**, T. E. Yu and J.G. Maples. 2023. “Beef Price Spread Relationship with Processing Capacity Utilization.” Southern Ag Today, March. ([Link](#))
13. **Boyer, C.N.**, and A.P. Griffith. 2022. “Livestock Risk Protection Price is Lower.” Southern Ag Today, August. ([Link](#))
14. Martinez, C.C., **C.N. Boyer**, J. Rhinehart, and K. Burdine. 2021. Does “PI” Testing Pay? Tennessee Cattle Business, December.
15. Griffith, A. P., and **C.N. Boyer**. 2020. Reproductive Failure Impacts Profitability of Retained Beef Heifers. Tennessee Cattle Business.

Research Reports

1. Kane***, I., **C.N. Boyer**, and A.P. Griffith. 2021. “Understanding Price Risk Management Contributions to Economic Sustainability in the Cattle Industry.” National Cattlemen’s Beef Association Beef Research.
2. Griffith, A.P., and **C.N. Boyer**. 2021. “What is Economic Sustainability and Why Does it Matter?” National Cattlemen’s Beef Association Beef Research Fact Sheet. ([Link](#))
3. **Boyer, C.N.**, and P. Keyser. 2019. “Summary of the Economic and Production Performance of Native Grasses as Forage in the Fescue Belt.” University of Tennessee AgResearch Publication. ([Link](#))
4. **Boyer, C.N.**, and P. Keyser. 2019. “Economic and Production Performance of Grazing Native Grasses in the Fescue Belt.” USDA Science to Solutions. ([Link](#))

5. English, B.C., R.J. Menard, K.L. Jensen, J.T. Brosnan, and **C.N. Boyer**. 2015. “Tennessee’s Turfgrass Industry: Economic Contributions, Problematic Issues, and Perceptions of Future Growth.” University of Tennessee Department of Agricultural and Resource Economics, Knoxville, TN. [\(Link\)](#)
6. Zhou, X. B.C. English, **C.N. Boyer**, R.K. Roberts, J.A. Larson, D.M. Lambert, M. Velandia, L.L. Falconer, S.W. Martin, S.L. Larkin, K.P. Paudel, A. Mishra, R. Rejesus, C. Wang, E. Segarra, and J. Reeves. 2015. “Precision Farming by Cotton Producers in Fourteen Southern States: Results from a 2013 Southern Cotton Precision Farming Survey.” University of Tennessee Department of Agricultural and Resource Economics, Knoxville, TN. Research Series, 15-001. [\(Link\)](#)
7. Jensen, K.L., E. McLeod, **C.N. Boyer**, D.M. Lambert, J.A. Larson, C.D. Clark, B.C. English, J. Menard, and R.K. Roberts. 2015. Effects of Tying Crop Insurance Incentive Levels to Adoption of Conservation Practices.” Cotton Incorporated Final Report No. 14-516.

GRANT ACTIVITY

Grantsmanship Summary as Project Director (PD) and Co- Principal Investigator (Co-PI)						
	As PD		As Co-PI		Total	
	# of Proposals	Funding	# of Proposals	Funding	# of Proposals	Funding
Total Completed	8	\$1,901,043	32	\$9,776,141	40	\$11,677,184
In-Progress	-	-	3	\$31,183,525	3	\$31,183,525
Total Secured Funding	8	\$1,901,043	35	\$40,959,666	43	\$42,860,709

In Progress

1. Oakes, R., V. Sykes, X. Yin, **C.N. Boyer**, E. Eckelkamp, and H. Kelly. “Optimizing Organic Corn Production Under Different Living Mulch Systems.” USDA NIFA. Co-PI, 2021-2024 \$688,360.
2. Keyser et al. “Climate Smart Grasslands – the Root of Agricultural Carbon Markets” USDA, Co-PI, 2022-2027, 30,000,000.
3. Griffith, A.P., **C.N. Boyer**, K. DeLong, C. Martinez, and J. Walton. “Factors Influencing Valuation of Hay to Improve Price Discovery and Transparency” USDA FISMP, Co-PI, 2022-2025, \$495,165.

TEACHING

Courses Taught

- AREC 203: Managerial Controls for Agribusiness (co-taught)
- Fall 2024, Fall 2025
- AREC 312: Rural Real Estate Appraisal
- Fall 2019, Fall 2021, Fall 2023, Fall 2025
- AREC 324: Quantitative Methods in Agricultural Economics
- Fall 2020, Fall 2021, Fall 2022, Fall 2023, Fall 2024
- AREC 342: Farm Business Management
- Spring 2013; Spring 2014; Spring 2015; Spring 2016; Spring 2017, Spring 2018
- AREC 442: Advance Agribusiness Management (Co-Taught with Jon Walton)
- Spring 2024, 2025
- AREC 444: Agricultural Production and Technology Management (Co-Taught with Jon Walton)
- Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022
- AREC 493: Executive Seminar Series (Co-Taught with Dr. Karen DeLong)
- Fall 2017, Fall 2018, Fall 2019, Fall 2020
- AREC 493: Agricultural Accounting (co-taught with Jon Walton)
- Fall 2023
- AREC 499: Undergraduate Research
- Spring 2018, 2019, 2020, 2021; Fall 2020, 2023
- AREC 505: Microeconomic Analysis
- Fall 2017
- AREC 524: Econometric Methods in Agricultural Economics
- Fall 2013; Fall 2014; Fall 2015; Fall 2016, Fall 2018, Fall 2019

Guest Lecturer

- ANSC 361: Beef Cattle Merchandising (University of Tennessee)
- Spring 2014, 2015, 2019
- PLSC 435: Field and Forage Crop (University of Tennessee)
- Fall 2015, 2017, 2019, 2021, 2023, 2025
- ANSC 481: Beef Cattle Production and Management (University of Tennessee)
- Spring 2018, 2019
- AREC 110: Opportunities in Agricultural, Food, and Resource Economics
- Fall 2021, 2022
- AREC 530: Agricultural Policy Analysis (University of Tennessee)
- Fall 2019
- AREC 330: Agricultural Commodity Policy (University of Tennessee)
- Fall 2022
- AGEC 495: Agribusiness Entrepreneurship Mentoring Forum (Texas A&M university)
- Spring 2021
- AREC 201: Economics of the Global Food and Fiber Systems (University of Tennessee)
- Fall 2023

STUDENT RESEARCH MENTORSHIP

Graduate Theses Supervised

1. Duncan, H. 2024. "Understanding Missing National Agricultural Statistics Survey Yields." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
2. Barua, S. 2024. "Risk Preferences Impact on Cattle Producers' Use of Price Risk Management." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
3. Key, C. 2022 "Optimal Length of a Post-Weaning Stocker Period for Spring and Fall Calving Cow Herd." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
4. Stier, T. 2019. "Modeling Decision to Minimize Costs for Turfgrass Users." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
5. Adkins, K. 2019. "Optimal Prevented Planting Decisions for Corn and Cotton." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
6. Campbell, K. 2018. "Tennessee Row Crop Producer Survey on Willingness to Adopt Best Management Practices." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
7. Bruce, N. 2017. "Incentive Payments for Planting Upland Bird Habitat Field Borders in Tennessee." M.S. Thesis. University of Tennessee, Knoxville.
8. Harmon, Xavier Lee. 2016. "The Value of Soil Testing for Potassium Fertilizer in Tennessee Cotton Production." M.S. Thesis. University of Tennessee, Knoxville.
9. Henry, Gavin. 2015. "Analyzing the Risk and Returns for a Spring- and Fall-Calving Beef Herd in Tennessee." M.S. Thesis. University of Tennessee, Knoxville.
10. Lowe, Kenneth Joe. 2014. "The Economics of Grazing Beef and Dairy Cattle on Native Warm-Season Grasses in Tennessee." M.S. Thesis. University of Tennessee, Knoxville.

Supervision of Undergraduate Research

1. Thompson, T. 2021. "Price Impacts of Genomic Enhanced EPDs on Angus Bulls." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
2. Packard, W. 2021. "Price Impacts of Genomic Enhanced EPDs on Angus Bulls." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
3. Eicher, J. 2021. "Breakeven Price of Cover Crop Hay Production for Corn and Soybeans". Department of Agricultural and Resource Economics, University of Tennessee, Knoxville

4. Duncan, H. 2021. "Breakeven Price of Cover Crop Hay Production for Corn and Soybeans." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
5. Breuel, P. 2020. "Estimating Factors that Influence the Accuracy of Appraisal in Tennessee Using Data from the State of Tennessee Real Estate Assessment." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
6. Conley, B. 2020. "Calculating Payback Periods and Benefits of a Biomass Boiler used for Wintertime Heating of Broiler Houses in Southeast Tennessee." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
7. Stutts, L. 2020. "Differences in Market Values and Use Values Across Tennessee Regions." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
8. Rickett, C. 2020. "How Land Use Has Changed in Tennessee: Analysis of How Land Use in Each Region of Tennessee Has Changed." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
9. Maple, K. 2019. "How we can Better Predict Fertilizer Prices: Analysis of How Fertilizer Prices Are Impacted by Energy Inputs." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
10. Harrison, C.A. 2019. "Estimating Factors that Influence Breeding Stock Price Using Data from the University of Tennessee Plateau Research and Education Center November Cattle Sale in Crossville, TN." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
11. Sneed, C. 2018. "Broiler Poultry Water Use in Tennessee." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
12. Ballow, H. 2018. "Tennessee Cash Rent Rates and Land Values." Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
13. Campbell, V. 2017. "Tennessee Farm Recording Keeping and Benchmarking Project." Department of Agricultural and Resource Economics Extension Intern, University of Tennessee, Knoxville.
14. Best, S. 2017. "Tennessee Farm Recording Keeping and Benchmarking Project." Department of Agricultural and Resource Economics Extension Intern, University of Tennessee, Knoxville.

Membership on Graduate Committees

1. Johnson, K. 2025. "Tall Fescue and Orchardgrass Productivity and Persistence Under Grazing Systems in Tennessee." M.S. Dissertation. Department of Plant Science, University of Tennessee, Knoxville.
2. Hough, C. 2025. "The Effects of Removing Paylean from Production on Hog Carcass Quality and Lean Percentage and The Economics of Problem Dairy Cows in Automated Milking Systems." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
3. Ray, T. 2025. "Factors Affecting the Valuation of Hay: Producer & Consumer Preferences, Price Determinants, and Attribute Importance." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
4. Bolakhe, K. 2024. "Stochastic Optimization of a Canola-Based Sustainable Aviation Fuel Supply Chain in the Mississippi Delta Region." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
5. Haley, W. 2024. "Dairy Revenue Protection: Choice Determinants and Performance Assessment." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
6. Hopper, L. 2024. "Change in Tennessee Land Use." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
7. Dahal, B.R. 2023. "Two Essays on International Beef and Poultry Consumer Demand." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
8. Li, T. 2023. Evaluating the Potential Risks of Producing the First- and the Second-Generation Bioenergy Crops in Tennessee. M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
9. Dahal, B.R. 2023. "Two Essays on International Beef and Poultry Consumer Demand." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
10. Ingram, S. 2023. "An Analysis of Dairy Farm Financial Efficiency and Price Expectations in Seedstock Bull Markets." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
11. Corbin, D. 2023. "Increasing Productivity and Biodiversity of Tall Fescue Swards by Intercropping Cool and Warm-Season Forage Species." Ph.D. Dissertation. Department of Plant Science, University of Tennessee, Knoxville.

12. Quinby, M. 2022. "Corn (*Zea mays* L.) Production in Living Mulch Systems, Grazing Potential, and Economic Viability." Ph.D. Dissertation. Department of Plant Science, University of Tennessee, Knoxville.
13. Peterson, J. 2022. "Drought and Excess Moisture Crop Insurance Indemnities to Tennessee Corn Producers." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
14. Carter, C. 2022. "Application of sequential estrous synchronization and timed artificial insemination protocols in beef cattle to increase the proportion of AI-sired calves without negatively affecting the weaning rate or calving distribution." M.S. Thesis. Department of Animal Science, University of Tennessee, Knoxville.
15. Smith, K. 2021. "Analysis of Cattle Producer Survey about Horn Fly Management and Expected Progeny Differences." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
16. Lui, W. 2021. "Risk Management Potential of Supplemental Irrigation for Cotton in a Sub-Humid Climate under Climate Change." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
17. Lo, Y-N. 2020. "Producer Perceptions and the Use of Conservation Practices in Middle and West Tennessee." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
18. Tang, M. 2020. "Essays on Seasonal Variation in Fed Cattle Profitability and the Value of Beef Bull Attributes." Ph.D. Dissertation. Department of Agricultural Economics, Purdue University of West Lafayette, Indiana.
19. Ren, T. 2019. "Tennessee Beef Cattle Producer Willingness to Adopt Warm-Season Grasses." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
20. Tsai, M-J. 2019. "Assessing the Economic Impact of a Devastating Natural Disaster." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
21. Bruhin, J. 2019. "Determining Optimal Start-Up Strategy for Cow-Calf Producer to Maximize Long-Term Profitability and Minimize Risk." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
22. Mcfarlane, Z. 2019. "Low-Input Heifer Development Using Stockpiled Native Forages and Protein Supplementation." Ph.D. Dissertation. Department of Animal Science, University of Tennessee, Knoxville.

23. Ojha, A. 2018. "Assessing the Feasibility of Nutrient-Related Water Quality Trading in Tennessee." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
24. Bellingham, S. 2018. "Factors Influencing Tomato Prices at Tennessee Farmers' Markets." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
25. Siokos, V. 2018. "The Financial Performance of the U.S. Sugar Consumer Agribusinesses." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
26. Soh, M.W. 2018. "Essays on Payment for Ecosystem Services Given Multiple Objectives." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
27. Sharma, B.P. 2018. "Analyzing the Impacts of Policy Support and Incentive Programs on Resource Management." Ph.D. Dissertation. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
28. McKay, L.C. 2018. "Two Essays on Beef: Restaurants Preferences for Tennessee Certified Beef and Cattle Producers Preference for Horn Fly Resistant Cattle." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
29. Street, A. 2017. "Identifying Tennessee Agricultural Education Student Growth and Program Accountability Metrics." Creative Writing. Department of Agriculture Leadership, Education, and Communication, University of Tennessee, Knoxville.
30. Jordan, S. 2017. "Academic-Related Perceptions, Beliefs, and Strategies of Undergraduate Agricultural Student." M.S. Thesis. Department of Agriculture Leadership, Education, and Communication, University of Tennessee, Knoxville.
31. Matteis, M.C.D. 2017. "Analyzing the Utilization and Trade of Distillers' Dried Grains with Solubles" M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
32. Edge, B. 2016. "Factors Influencing the Adoption of Automatic Section Control Technologies and GPS Auto-Guidance Systems in Cotton Production." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
33. Everett, C.N. 2016. "Tennessee Consumers' Willingness to Pay for Tennessee Wine." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.

34. Medwid, L. 2016. "Incentives for Best Management Practice Adoption among Beef Cattle Production and Effects on Sedimentation: A Case Study in Southeastern Tennessee." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
35. Tang, M. 2016. "Retained Ownership Profitability of Beef Cattle Originating in Tennessee." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
36. Scott, A. 2015. "Evaluation of Commercial Drought Tolerant Maize Cultivars for Benefit in the Humid Region." M.S. Thesis. Department of Plant Science, University of Tennessee, Knoxville.
37. Stefanini, M. 2015. "Effects of Optical Sensing and Variable Rate Technology Nitrogen Fertilizer Use, Lint Yields, and Profitability in Cotton Production." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
38. Huff, S. 2015. "Investigating Factors that Influence Achievement Goal Orientation in Undergraduate Agriculture Students." M.S. Thesis. Department of Agriculture Leadership, Education, and Communication, University of Tennessee, Knoxville.
39. Cavasos, K. 2014. "Optimal Location of Cellulosic Ethanol Facilities and their Impacts on Surface Water Quality in the Southeastern United States." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
40. Simone, T. 2014. "Carbon Sequestration, Carbon Markets, Technical Efficiency and Maize Production Using Conservation Agriculture in Mozambique." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
41. Zhang, J. 2014. "Two Essays on the Application of Ordered Probability Model." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.
42. Kutz, A, 2014. "Willingness to Adopt Best Management Practices by Beef Cattle Producers in a Southeastern Tennessee Watershed." M.S. Thesis. Department of Agricultural and Resource Economics, University of Tennessee, Knoxville.