

JAIME R. LUKE

213C Agriculture Hall | Michigan State University
lukejaim@msu.edu

EMPLOYMENT

2025 – Present Assistant Professor, Dept. of Agricultural, Food, & Resource Economics
Michigan State University, East Lansing, MI

EDUCATION

2024 Ph.D. – Agricultural Economics
Kansas State University, Manhattan, KS

2021 M.S. – Agricultural & Applied Economics
University of Missouri, Columbia, MO

2018 B.S. – Agricultural Economics
University of Missouri, Columbia, MO

PEER-REVIEWED JOURNAL ARTICLES (10)

Luke, J.R. and J.R. Jaborek. “Market Price Differences between Beef-Dairy Cross Calves and Dairy Bull Calves from Kentucky and Pennsylvania Auctions.” 2026. Forthcoming in *Applied Animal Science*.

Luke, J.R. and G.T. Tonsor. “U.S. Consumer Appetite for Climate Claims on Beef Products: Does Country-of-Origin Matter?” 2026. *Australian Journal of Agricultural and Resource Economics*. [[Link](#)]

Luke, J.R., G.T. Tonsor, and T.C. Schroeder. “U.S. Meat Demand Elasticity Estimates: Using Publicly Available Data versus Scanner Data.” 2026. *Agricultural and Resource Economics Review*. [[Link](#)]

Anderson, A.E., J.L. Mitchell, and **J.R. Luke**. “Feed Prices, Substitution Patterns, and Technical Efficiency in Feedlot Cattle.” 2026. *Journal of Agricultural and Applied Economics*, 58, 17-37. [[Link](#)]

Luke, J.R., T.C. Schroeder, G.T. Tonsor, L.A. Collins, and D.J. Ufer. “What’s the Price of Meat? Sources of Variation in Retail Meat Price Data and Impacts on Market Performance Analysis.” 2025. *Journal of the Agricultural and Applied Economics Association*, 4(3), 304-320. [[Link](#)]

Luke, J.R. and G.T. Tonsor. “U.S. Public Sentiment Toward Policy Action Targeting Emissions from U.S. Beef Production.” 2025. *Food Policy*, 132, 102851. [[Link](#)]

Luke, J.R. and G.T. Tonsor. “A Review of Producer Adoption in the U.S. Beef Industry with Application to Enteric Methane Emission Mitigation Strategies.” 2025. *Animals*, 15(2), 144. [[Link](#)]

Luke, J.R. and G.T. Tonsor. “The Enteric Methane Emission Conundrum: U.S. Beef Cattle Producer Adoption of Climate-Focused Technology.” 2024. *Sustainable Production and Consumption*, 50, 364-375. [[Link](#)]

Luke, J.R., G.T. Tonsor, and D.S. Brown. “Wholesale Pork Demand: Understanding Primal-Level Heterogeneity.” 2024. *Journal of Commodity Markets*. 34, 100402. [[Link](#)]

Last updated: April 27, 2026

Luke, J.R. and G.T. Tonsor. “USDA Long-Term Meat Trade Projections: A Comprehensive Evaluation.” 2023. *Journal of Agricultural and Applied Economics*, 55(1), 151-170. [[Link](#)]

BOOK CHAPTER (1)

Swenson, M., S. Place, G.T. Tonsor, and **J.R. Luke**. “Growth Enhancing Technologies in Cattle Production: Environmental and Ethical Considerations.” 2026. *Veterinary Clinics of North America: Food Animal Practice*. [[Link](#)]

FUNDING ACQUIRED (4)

Assessing Pork Industry Practices & Consumer Perceptions to Strengthen Michigan’s Swine Industry Image. \$149,994. Michigan Alliance for Animal Agriculture (M-AAA). June 2026 – May 2028. **J.R. Luke** (PI), V. Caputo (Co-PI).

Expanding Collaboration in Agricultural Economics Through Visiting Scholar Support. \$2,300. MSU CANR Professional Development Microgrant. April 2026 – March 2027. **J.R. Luke**.

Michigan Agricultural Credit Conference. \$14,000. Stephen B. and Karen L. Harsh Agribusiness Outreach Endowment. October 2025 – October 2026. **J.R. Luke**, T. Tolhurst.

Economic Examination of Livestock Enteric Emissions. \$75,000. USDA Office of the Chief Economist. October 2022 – September 2024. G.T. Tonsor (PI), **J.R. Luke** (Co-PI).

ACADEMIC PRESENTATIONS (7)

Luke, J.R. “U.S. Public Insights on Methane Mitigation in Beef Production.” Invited presenter and panelist at UC Davis Clarity and Leadership for Environmental Awareness and Research (CLEAR) State of the Science Summit. 2025. Davis, CA.

Luke, J.R., and G.T. Tonsor. “U.S. Consumer Appetite for Climate Claims on Beef Products: Exploring Country-of-Origin Impacts.” Poster presented at Agricultural & Applied Economics Association (AAEA) Annual Meeting. 2024. New Orleans, LA.

Luke, J.R. “Reducing U.S. Livestock Enteric Methane Emissions: Economic Insights & Remaining Challenges.” Presented virtually at Agricultural & Applied Economics Association (AAEA) Organized Symposium on Climate-Smart Markets and Practices on U.S. Livestock Farms. 2023.

Luke, J.R. and G.T. Tonsor. “Contribution of the Beef Industry to the Economy of the Great Plains and Western United States: Past, Present, and Future.” Presented at American Society of Animal Science (ASAS) Symposium on Climate Adaptation Strategies for the Beef Industry. 2023. Albuquerque, NM.

Luke, J.R., G.T. Tonsor, and T.C. Schroeder. “Impact of Data Selection on U.S. Retail Meat Demand Elasticity Estimates.” Presented at Western Agricultural Economics Association (WAEA) Annual Meeting. 2023. Whistler, BC, Canada.

Luke, J.R., T.C. Schroeder, G.T. Tonsor, L.A. Collins, and D.J. Ufer. “U.S. Retail Meat Prices: Implications of Using Scanner Data in Analyses.” Presented at Southern Agricultural Economics Association (SAEA) Annual Meeting. 2023. Oklahoma City, OK.

Luke, J.R., G.T. Tonsor, and D.S. Brown. “Wholesale Demand for Pork Primal Cuts: Updating Past Estimates to Better Describe Product-Level Demand Heterogeneity.” Presented at Southern Agricultural Economics Association (SAEA) Annual Meeting. 2022. New Orleans, LA.

EXTENSION PUBLICATIONS (21)

* indicates graduate student collaborator.

Luke, J.R. “Polling the public on methane-reduction options for the beef industry.” Michigan Ag Economist. 2026.

Luke, J.R. “Unpacking the Latest Cattle Inventory Report.” Michigan Cattlemen’s Association Magazine. 2026.

Luke, J.R. “Market Outlook, Risk Management Strategies, and More to be Highlighted at Winter Cow-Calf Meetings.” 2026.

- Michigan State University Extension News. [\[Link\]](#)
- Morning Ag Clips. [\[Link\]](#)

Bardenhagen, C., J. LaPorte, **J.R. Luke**, and A. Ker. “Get ready: Farm Policy & Risk Management Series resumes in 2026.” 2025. Michigan State University Extension News. [\[Link\]](#)

Hooks, A.* and **J.R. Luke**. “Seven Michigan counties qualify for Livestock Forage Disaster payments.” 2025.

- Michigan State University Extension News. [\[Link\]](#)
- The Arenac County Independent. [\[Link\]](#)
- The Ogemaw County Herald. [\[Link\]](#)

Luke, J.R. “What Matters Most to U.S. Protein Consumers?” Michigan Cattlemen’s Association Magazine. 2025.

Luke, J.R. “Pasture, Rangeland, and Forage Insurance Gains Ground in Michigan and Nationwide.” 2025.

- Michigan State University Extension News. [\[Link\]](#)
- Morning Ag Clips. [\[Link\]](#)

Luke, J.R. and T. Tolhurst. “Register for the Michigan Agricultural Credit Conference Scheduled for October 21, 2025.” 2025.

- Michigan State University Extension News. [\[Link\]](#)
- Michigan Farm News. [\[Link\]](#)

Hooks, A.* and **J.R. Luke**. “Additional Livestock Risk Protection Coverage Offers New Opportunities for Michigan Producers.” 2025.

- Michigan State University Extension News. [\[Link\]](#)
- Morning Ag Clips. [\[Link\]](#)

Luke, J.R. “Putting Cow-Calf Returns into Perspective.” Michigan Cattlemen’s Association Magazine. 2025.

Luke, J.R. “Scanner Data Show Beef and Pork Producers Capture a Larger Share of Retail Sales.” 2025.

- Michigan State University Extension News. [\[Link\]](#)
- BEEF Magazine. [\[Link\]](#)
- Feedstuffs. [\[Link\]](#)
- National Hog Farmer. [\[Link\]](#)
- Swine Web. [\[Link\]](#)

Luke, J.R. “A Closer Look at Anaerobic Digester Adoption.” 2025.

- Michigan State University Extension News. [\[Link\]](#)
- Morning Ag Clips. [\[Link\]](#)
- Swine Web. [\[Link\]](#)

Luke, J.R. “The Evolution of U.S. Beef Trade: Trends, Tariffs, and Tomorrow.” Michigan Cattlemen’s Association Magazine. 2025.

Luke, J.R. and F. Wardynski. “USDA Projects Record-Low Hay Acreage for Michigan in 2025.” 2025.

- Michigan State University Extension News. [\[Link\]](#)
- Morning Ag Clips. [\[Link\]](#)
- Michigan Farm News. [\[Link\]](#)
- The Ogemaw County Herald. [\[Link\]](#)
- The Oscoda County Herald. [\[Link\]](#)

Luke, J.R. “Variety Meat Exports Provide Value to the U.S. Beef Industry.” 2025.

- Michigan State University Extension News. [\[Link\]](#)
- BEEF Magazine. [\[Link\]](#)

Luke, J.R. and G.T. Tonsor. “Avenues to Reduce Methane Emissions from Beef Production: Understanding U.S. Public Support.” 2025.

- Michigan State University Extension News. [\[Link\]](#)
- BEEF Magazine. [\[Link\]](#)
- Feedstuffs. [\[Link\]](#)

Luke, J.R. “Everything but the Oink? Insights on U.S. Pork Variety Meats in an Era of Trade Uncertainty.” 2025.

- Michigan State University Extension News. [\[Link\]](#)
- Swine Web. [\[Link\]](#)

Luke, J.R., and G.T. Tonsor. “Assessing Possible U.S. Feedlot Adoption of Methane Reducing Feed Additive 3-Nitrooxypropanol (3-NOP): Overview of a Recent Research Project.” Kansas State University AgManager.Info. 2024. [\[Link\]](#)

Luke, J.R., and G.T. Tonsor. “Contribution of the Beef Industry to the Economy of the Great Plains and Western U.S.: Past, Present, and Future.” 2023. *Journal of Animal Science*, 101(S3), 325-326. [\[Link\]](#)

Luke, J.R., A.E. Anderson, and G.T. Tonsor. “An Updated Evaluation of the U.S. Cattle Cycle.” Kansas State University AgManager.Info. 2022. [[Link](#)]

Luke, J.R. and G.T. Tonsor. “Concentration of U.S. Pork Exports.” Kansas State University AgManager.Info. 2021. [[Link](#)]

EXTENSION PRESENTATIONS (21)

* indicates graduate student collaborator.

Luke, J.R. “Beef Market Outlook.” Presented virtually at MSU Extension Winter Cow-Calf Meeting (Chatham, MI). 2026.

Luke, J.R. “Beef, Dairy, & Pork Market Outlook.” Presented at MSU Extension Agriculture & Agribusiness Institute (AABI) Spring Meeting. 2026. East Lansing, MI.

Luke, J.R. “Beef Market Outlook.” Presented virtually at MSU Extension Winter Cow-Calf Meeting (Rudyard, MI). 2026.

Luke, J.R. “Pork Market Outlook.” Presented at Michigan Pork Symposium. 2026. Grand Rapids, MI.

Luke, J.R. “Beef Market Outlook.” Presented at MSU Extension Winter Cow-Calf Meeting. 2026. Frankenmuth, MI.

Hooks, A.* and **J.R. Luke.** “Financial Tools for Drought-Stressed Livestock Operations.” Presented virtually at Michigan Ag Ideas to Grow With. 2026.

Luke, J.R. Invited panelist at Northern Lakes Economic Alliance Catalyst Conversations: Ag Industry Updates. 2026. Elk Rapids, MI.

Luke, J.R. and F. Wardynski. “Livestock Risk Protection.” Presented at MSU Extension Winter Cow-Calf Meeting. 2026. Clare, MI.

Luke, J.R. “Beef Market Outlook.” Presented at MSU Extension Winter Cow-Calf Meeting. 2026. Clare, MI.

Luke, J.R. “Economic Insights on Beef Mandatory Country-of-Origin Labeling (MCOOL).” Presented at Missouri Cattlemen’s Association Annual Convention. 2026. Osage Beach, MO.

Luke, J.R. “Navigating the Cattle Cycle: Beef Market Overview & Prospects for Beef-on-Dairy.” Presented at Michigan Agri-Business Association (MABA) Winter Conference. 2026. East Lansing, MI.

Luke, J.R. “Livestock Market Outlook.” Presented at the Michigan Agricultural Credit Conference. 2025. East Lansing, MI.

Luke, J.R. “Pasture, Rangeland, and Forage Insurance.” Presented virtually at MSU Extension Farm Policy & Risk Management Series. 2025.

Luke, J.R. “Pasture, Rangeland, and Forage Insurance.” Presented at MSU AFRE Brown Bag Seminar Series. 2025. East Lansing, MI.

Luke, J.R. “Cattle & Beef Market Insights.” Presented at Michigan Farm Bureau Policy Development Committee Meeting. 2025. Lansing, MI.

Luke, J.R. “An Overview of the U.S. Livestock & Meat Sector.” Presented at Michigan State University Agribusiness Summer Institute. 2025. East Lansing, MI.

Luke, J.R. “U.S. Public Insights on Climate-Based Strategies in Beef Production.” Presented virtually to Rabobank Research Team. 2025.

Luke, J.R. and G.T. Tonsor. “U.S. Feedlot Adoption of Enteric Methane Emission Mitigating Technology.” Presented at Kansas State University Risk & Profit Conference. 2024. Manhattan, KS.

Luke, J.R. and G.T. Tonsor. “Beef and Pork Marketing Margins and Their Implications.” Presented at Kansas State University Risk & Profit Conference. 2022. Manhattan, KS.

Luke, J.R. and G.T. Tonsor. “Beef Origin Labeling Policy.” Presented at AAEEA Annual Meeting Policy Communication Competition. 2022. Anaheim, CA.

Luke, J.R. and D.S. Brown. “The Demand for Pork Primal Cuts.” Presented virtually to National Pork Board and National Pork Producers Council. 2021.

GUEST LECTURES (3)

Luke, J.R. “Exploring Market Trends in Beef & Pork Supply Chains.” AFRE 130: Farm Management. 2026.

Luke, J.R. “Understanding the U.S. Beef Industry & Potential MCOOL Market Impacts.” AFRE 817: Agricultural & Food Policy. 2026.

Luke, J.R. “Finances of Feedlot Operations.” Animal Science 422: Advanced Feedlot Management. 2025.

MEDIA INTERVIEWS (13)

Luke, J.R. “Will Coloradans see higher beef prices if JBS workers go on strike?” The Denver Post. 2026. [\[Link\]](#)

Luke, J.R. “Strong pork market outlook as high beef prices boost demand.” Brownfield Ag News. 2026. [\[Link\]](#)

Luke, J.R. “Beef import shock; Mid-Michigan farmers worry Trump’s Argentina deal will hurt local producers.” Flint ABC 12. 2025. [\[Link\]](#)

Luke, J.R. “Could high beef prices at the grocery store be here to stay?” Grand Rapids WZZM 13. 2025. [\[Link\]](#)

Luke, J.R. “Gen Z and millennials say ‘no thanks’ to pork chops.” PrairieFarmer. 2025. [\[Link\]](#)

Luke, J.R. “Beef, pork prices rising just in time for Labor Day holiday.” Detroit WWJ Newsradio 950. 2025. [[Link](#)]

Luke, J.R. “Beef prices reach record highs amid supply constraints and high consumer demand.” Kalamazoo Channel 3 News, WWMT. 2025. [[Link](#)]

Luke, J.R. “Beef prices unlikely to go down for a while.” 94.9, WSJM. 2025. [[Link](#)]

Luke, J.R. “Bird flu pushes egg prices up; U.S. retailers, consumers worry.” Voice of America. 2025. [[Link](#)]

Luke, J.R. “AgManager Radio #2” AgManager Radio with Dr. Amanor-Boadu. 2024. [[Link](#)]

Luke, J.R. and G.T. Tonsor. “Adoption of Methane Reducing Feed Additive in U.S. Feedlots”. Kansas State Radio Network, Agriculture Today. 2024. [[Link](#)]

Luke, J.R. “Understanding More about the Farmers’ Share of the Food Dollar.” Brownfield Ag News. 2022. [[Link](#)]

Luke, J.R. and G.T. Tonsor. “Pork Export Concentration.” Kansas State Radio Network, Agriculture Today. 2021. [[Link](#)]

GRADUATE STUDENTS

M.S. Advisor:

Jordan Renn (Agricultural Economics)

M.S. Committee Member:

Katie Hebdon (Animal Science)

Anna Hooks (Agricultural Economics)

Hattie Polson (Agricultural Economics)

Shirel Ponnudurai (Agricultural Economics)

Ph.D. Committee Member:

Dabit Bista (Agricultural Economics)

Lautaro Garcia (Animal Science)

Rundong Peng (Agricultural Economics)

Gerald Van Tassell (Agricultural Economics)

AWARDS & HONORS

2024	KSU Dept. of Agricultural Economics Outstanding PhD Dissertation
2024	1 st Place – AAEE FAMPS Poster Competition
2023	National Cattlemen’s Foundation W.D. Farr Scholarship
2021	2 nd Place – AAEE Case Study Competition
2021	Mizzou 18 Graduate Student Award
2019	National Pork Board Agri-Marketing Fellowship
2018	College of Agriculture, Food, and Natural Resources Outstanding Graduate
2017	Women in Agribusiness Summit Scholar
2015	American FFA Degree

LEADERSHIP

2026	MSU Collegiate Farm Bureau	Faculty Advisor
2025 – 2026	AAEA Food & Agricultural Marketing Policy Section (FAMPS)	Chair-Elect
2025 – 2026	MSU Dept. of Ag, Food, & Resource Economics Seminar Committee	Chair
2022	KSU Graduate Students in Agricultural Economics	Vice President
2022	KSU Case Study Club	President
2020 – 2021	Mizzou Graduate Professional Council	Representative
2020 – 2021	Preparing Tomorrow's Leaders for Science	Program Graduate
2017 – 2018	Agriculture Future of America	National Student Advisory Team Member
2014 – 2018	Sigma Alpha Agriculture Sorority	Class President, Secretary, Philanthropy Chair
2017	Girls on the Run Youth Program	Head Coach

STUDY ABROAD

2018	Germany – Agricultural Systems Management (spring break)
2017 – 2018	Thailand – Conservation, Biodiversity (winter break)
2016	University of Alicante (Spain) – International Economics, Spanish (fall semester)

PROFESSIONAL SERVICE**Journal Article Reviews:**

<i>Agribusiness</i>	2025
<i>Applied Economic Perspectives and Policy</i>	2025, 2026
<i>Australian Journal of Agricultural and Resource Economics</i>	2025
<i>European Review of Agricultural Economics</i>	2025, 2026
<i>Food Policy</i>	2025
<i>Journal of Agricultural and Applied Economics</i>	2025, 2026
<i>Journal of the Agricultural and Applied Economics Association</i>	2026
<i>Journal of Food Distribution Research</i>	2024
<i>Renewable Agriculture and Food Systems</i>	2022

Misc. Reviews:

AAEA Annual Meeting Abstracts
 Agriculture Future of America Institute Applications
 Mizzou '39 Award Applications
 MSU College of Agriculture and Natural Resources Scholarship Applications
 Stanford University Doerr School of Sustainability Accelerator Grant Proposals
 World Food Prize Michigan Youth Institute Roundtable Essays