

JAIME R. LUKE

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Michigan State University
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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

1. A.E. Anderson, J.L. Mitchell, and **J.R. Luke**. “Feed Prices, Substitution Patterns, and Technical Efficiency in Feedlot Cattle.” 2025. *Journal of Agricultural and Applied Economics*. [\[Link\]](#)
2. **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*, 70021. [\[Link\]](#)
3. **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. [\[Link\]](#)
4. **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. [\[Link\]](#)
5. **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. [\[Link\]](#)
6. **Luke, J.R.**, G.T. Tonsor, and D.S. Brown. “Wholesale Pork Demand: Understanding Primal-Level Heterogeneity.” 2024. *Journal of Commodity Markets*. 34, 100402. [\[Link\]](#)
7. **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. [\[Link\]](#)

FUNDING AQUIRED

1. Michigan Agricultural Credit Conference. \$14,000. Stephen B. and Karen L. Harsh Agribusiness Outreach Endowment. October 2025 – October 2026. T. Tolhurst, **J.R. Luke**.
2. Economic Examination of Livestock Enteric Emissions. \$75,000. USDA Office of the Chief Economist. October 1, 2022 – September 30, 2024. G.T. Tonsor (PI), **J.R. Luke** (Co-PI).

ACADEMIC PRESENTATIONS

1. **Luke, J.R.** “U.S. Public Insights on Methane Mitigation.” Invited presenter and panelist at UC Davis Clarity and Leadership for Environmental Awareness and Research (CLEAR) State of the Science Summit. 2025. Davis, CA.
2. **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.
3. **Luke, J.R.** “Reducing U.S. Livestock Enteric Methane Emissions: Economic Insights and Remaining Challenges.” Presented virtually at Agricultural & Applied Economics Association (AAEA) Organized Symposium on Climate-Smart Markets and Practices on U.S. Livestock Farms. 2023.
4. **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.
5. **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.
6. **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

1. **J.R. Luke**. “Pasture, Rangeland, and Forage Insurance Gains Ground in Michigan and Nationwide.” 2025.
 - Michigan State University Extension News. [\[Link\]](#)
 - Morning Ag Clips. [\[Link\]](#)
2. **J.R. Luke** 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. [\[Link\]](#)
3. 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. [\[Link\]](#)

4. **Luke, J.R.** “Putting Cow-Calf Returns into Perspective.” Michigan Cattlemen’s Association Magazine. 2025.
5. **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. [\[Link\]](#)
6. **Luke, J.R.** “A Closer Look at Anaerobic Digester Adoption.” 2025.
 - Michigan State University Extension News. [\[Link\]](#)
 - Morning Ag Clips. [\[Link\]](#)
 - Swine Web. [\[Link\]](#)
7. **Luke, J.R.** “The Evolution of U.S. Beef Trade: Trends, Tariffs, and Tomorrow.” Michigan Cattlemen’s Association Magazine. 2025.
8. **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. [\[Link\]](#)
9. **Luke, J.R.** “Variety Meat Exports Provide Value to the U.S. Beef Industry.” 2025.
 - Michigan State University Extension News. [\[Link\]](#)
 - BEEF Magazine. [\[Link\]](#)
10. **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. [\[Link\]](#)
11. **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. [\[Link\]](#)
12. **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. [\[Link\]](#)
13. **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. [\[Link\]](#)

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

EXTENSION PRESENTATIONS

1. **Luke, J.R.** “Pasture, Rangeland, and Forage Insurance.” Presented virtually at MSU Extension Farm Policy & Risk Management Series. 2025.
2. **Luke, J.R.** “Pasture, Rangeland, and Forage Insurance.” Presented at MSU AFRE Brown Bag Seminar Series. 2025. East Lansing, MI.
3. **Luke, J.R.** “Cattle & Beef Market Insights.” Presented at Michigan Farm Bureau Policy Development Committee Meeting. 2025. Lansing, MI.
4. **Luke, J.R.** “An Overview of the U.S. Livestock & Meat Sector.” Presented at Michigan State University Agribusiness Summer Institute. 2025. East Lansing, MI.
5. **Luke, J.R.** “U.S. Public Insights on Climate-Based Strategies.” Presented virtually to Rabobank Research Team. 2025.
6. **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.
7. **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.
8. **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.
9. **Luke, J.R.** and G.T. Tonsor. “Beef Origin Labeling Policy.” Presented at AAEE Annual Meeting Policy Communication Competition. 2022. Anaheim, CA.
10. **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.

MEDIA INTERVIEWS

1. **Luke, J.R.** “Beef, pork prices rising just in time for Labor Day holiday.” Detroit WWJ Newsradio 950. 2025. [\[Link\]](#)
2. **Luke, J.R.** “Beef prices unlikely to go down for a while.” 94.9, WSJM. 2025. [\[Link\]](#)
3. **Luke, J.R.** “Beef prices reach record highs amid supply constraints and high consumer demand.” Channel 3 News, WWMT Kalamazoo. 2025. [\[Link\]](#)

4. **Luke, J.R.** “Bird flu pushes egg prices up; U.S. retailers, consumers worry.” Voice of America. 2025. [[Link](#)]
5. **Luke, J.R.** “AgManager Radio #2” AgManager Radio with Dr. Amanor-Boadu. 2024. [[Link](#)]
6. **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](#)]
7. **Luke, J.R.** “Understanding More about the Farmers’ Share of the Food Dollar.” Brownfield Ag News. 2022. [[Link](#)]
8. **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:

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	World Food Prize Scholar
2019	National Pork Board Agri-Marketing Fellowship
2018	College of Agriculture, Food, and Natural Resources Outstanding Graduate
2018	USDA Outlook Forum Diversity Scholar
2017	Women in Agribusiness Summit Scholar
2015	American FFA Degree

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)

INVOLVEMENT

2025	AAEA Food & Agricultural Marketing Policy Section (FAMPS)	Chair-Elect
2025	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

PAST EMPLOYMENT

2021 – 2024	Kansas State University Dept. of Agricultural Economics Graduate Research Assistant	Manhattan, KS
2022	USDA Office of the Chief Economist Economics Intern	Washington, D.C. & remote
2019 – 2021	University of Missouri Div. of Applied Social Sciences Graduate Research & Teaching Assistant	Columbia, MO
2018 – 2019	Archer Daniels Midland Company Commodity Merchandiser	Livingston Point, KY
2017 – 2018	Missouri Pork Association Fundraising & Policy Intern	Columbia, MO
2017	American Farm Bureau Federation Public Policy Economic Analysis Intern	Washington, D.C.
2016	Missouri Corn Growers Association Grower Services Intern	Jefferson City, MO

PROFESSIONAL SERVICE

Journal Referee:

Agribusiness
Australian Journal of Agricultural and Resource Economics
European Review of Agricultural Economics
Food Policy
Journal of Agricultural and Applied Economics
Journal of Food Distribution Research
Renewable Agriculture and Food Systems

Reviewer:

Agriculture Future of America Institute 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 Expert