

# MERRI ELIZABETH DAY

December 2023

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## EDUCATION

- 2022 – present      Kansas State University  
PhD. Agricultural Economics  
Research Interest: Livestock Economics, Animal Health  
Major Advisors: Dustin Pendell & Ted Schroeder  
Dissertation: “Livestock Production in the Great Plains: Economic and Environmental Impacts of Cattle Performance, Disease Management, and Grazing Strategies”
- 2020 – 2021      University of Arkansas  
M.S. Agricultural Economics  
Major Advisor: Qiuqiong Huang  
Thesis: “Use Patterns and Influencing Factors of Irrigation Best Management Practices in the Lower Mississippi River Basin”
- 2015 – 2018      Auburn University  
B.S. Agricultural Business and Economics, *magna cum laude*

## RESEARCH EXPERIENCE

- January 2022 – present      Graduate Research Assistant, Kansas State University  
Manhattan, KS
- Aug. 2020 – Dec. 2021      Graduate Research Assistant, University of Arkansas  
Fayetteville, AR

## TEACHING ACTIVITIES

- Aug. 2023 – Dec. 2023      Instructor, Kansas State University, Department of Agricultural Economics
- AGEC 115      Decision Tools for Agricultural Economics and Agribusiness  
                                         Fall 2023
- Jan. 2022 – May 2022      Graduate Teaching Assistant, Kansas State University, Department of Agricultural Economics
- AGEC 501      Data Analysis and Optimization  
                                         Dr. Dustin Pendell, Spring 2022
- Aug. 2022 – Dec. 2021      Graduate Teaching Assistant, University of Arkansas, Department of Agricultural Economics and Agribusiness
- AGEC 3403      Farm Business Management  
                                         Dr. Nathan Kemper, Fall 2020

AGEC 2103 Principles of Agricultural Macroeconomics  
Dr. Jennie Popp, Spring 2021

AGEC 4603 Food Economics and Health  
Dr. Di Fang, Spring 2021

### **PROFESSIONAL EXPERIENCE**

Dec. 2018 – Jul. 2020 Loan Officer, The Citizens Bank  
Greensboro, AL

### **PEER REVIEWED PUBLICATIONS**

**Day, M. E.**, Tang, M., Lancaster, P. A., Presley, D., Pendell, D. L., Fick, W. H., ... & Ricketts, A. (2023). Simulation of the Impact of Rangeland Management Strategies on Soil Health, Environmental Footprint, Economic Impact, and Human-Edible Nutrient Conversion from Grasslands in the Central and Northern Great Plains of the United States. *Sustainability*, 15(16), 12456.

### **GRANT ACTIVITY**

*Title*: “Assessing Environmental and Economic Benefits among Grazing Practices, Management Plans, and Operation Sizes in the Southern Great Plains”

*Status/Amount*: Successfully Funded; \$99,980

*Source*: National Cattlemen’s Beef Association

*Date*: 2024-2025

*Investigators*: Phillip Lancaster (PI), **Merri E. Day** (co-PI), Dustin Pendell (co-PI), Francisco Abello (co-PI)

### **PRESENTATIONS**

#### ***Conference Presentations***

“Economic Returns and Environmental Impacts of Cattle Feeding.” Western Agricultural Economics Association, 2023 Annual Meeting. Whistler, British Columbia. July 18, 2023.

“Economic Impacts and Sustainability of Grazing Beef Cattle in the Great Plains.” Southern Agricultural Economics Association, 2023 Annual Meeting. Oklahoma City, Oklahoma. February 7, 2023.

“Irrigation Best Management Practices: Influencing Factors in Arkansas, Louisiana, and Mississippi.” Universities Council on Water Resources/The National Institutes for Water Resources, Annual Water Resources Conference. Greenville, South Carolina. June 14, 2022.

“Water Management Practices and Use Patterns.” Universities Council on Water Resources/The National Institutes for Water Resources, Annual Water Resources Conference, Virtual. June 8, 2021.

#### ***Extension/Outreach Presentations***

“Sustainability of Grazing Beef Cattle in the Great Plains.” 2023 Risk and Profit Conference. Manhattan, Kansas. August 17-18, 2023.

“Risk in Cattle Feeding”. USDA-KDA Cattle Correlation Training. Manhattan, KS. April 24, 2023. (+/- 20 people).

#### ***Poster Presentations***

“Irrigation Best Management Practices: Influencing Factors in Arkansas, Louisiana, and Mississippi.” Agricultural and Applied Economics Association, 2022 Annual Meeting. Anaheim, California. August 1, 2022.

## **WORKING PAPERS**

**Day, M. E.**, T. Schroeder, T. McAtee, D. Renter. “Economic Returns and Environmental Impacts of Cattle Feeding in the Great Plains.” *Working Paper, Kansas State University*.

**Day, M. E.**, Q. Huang, C. G. Henry, and L. J. Krutz. “Irrigation Best Management Practices: Influencing Factors in Arkansas, Louisiana, and Mississippi.” *Working paper, University of Arkansas*.

**Day, M. E.**, Q. Huang, C. G. Henry, and L. J. Krutz. “Irrigation Best Management Practices and Use Patterns in Arkansas, Louisiana, and Mississippi.” *Working paper, University of Arkansas*.

## **AFFILIATIONS**

Agricultural and Applied Economics Association (AAEA)

Southern Agricultural Economics Association (SAEA)

Western Agricultural Economics Association (WAEA)