

Bailey Peterson-Wilhelm

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Education

Kansas State University **Manhattan, KS**
PhD, *Agricultural Economics* **Expected Graduation May 2025**
Major Professor: Ben Schwab, PhD

University of Arkansas **Fayetteville, AR**
Master of Science, *Agricultural Economics* **May 2021**
Thesis: Quality determinates of rice price in open bag markets in Sub-Saharan Africa
Thesis Advisor: L. Lanier Nalley, PhD

Kansas State University **Manhattan, KS**
Bachelor of Science, *Agricultural Economics* **May 2019**
Suma Cum Laude
Specialty: Quantitative and Data Analysis
Secondary Major: Global Food Systems Leadership

International Experience
India **Fall 2017**
South Africa **Fall 2015**

Research Interests

International Development Economics, Health & Nutrition Economics

Research Experience

Kansas State University, Department of Agricultural Economics
Natural Resource Trainee Fellowship, August 2021- Present

University of Arkansas, Department of Agricultural Economics
Graduate Research Assistant, August 2019-August 2021

Publications

Peer Reviewed

Peterson-Wilhelm, B., L. Nalley, A. Durand- Morat, A. Shew, F. Tsiboe and W. Mulimbi.
"Quality determinates of rice price in open bag markets in Sub-Saharan Africa." *Journal of Agribusiness in Developing and Emerging Economies* (2021).

Under Review

Peterson-Wilhelm, B., L. Nalley, A. Durand-Morat. "Pricing Open Bagged Rice in Nigeria: A Hedonic price model approach."

In Progress

Peterson-Wilhelm, B., L. Nalley, A. Durand-Morat, J. Norsworthy, M. Bagavathiannan, “Economic and Environmental Value of Screening for Herbicide Resistance in Barnyardgrass in Arkansas”

Peterson-Wilhelm, B., B. Schwab, “How does recall bias impact separability tests?”

Research Report

Peterson-Wilhelm, B., L. Nalley, A. Durand-Morat, A. Shew, R. Parajuli and G. Thoma. “The Benefits of the Arkansas Rice Check-off Program.”

Conferences

Oral Presentations

Peterson-Wilhelm, B., L. Nalley, A. Durand-Morat, J. Norsworthy, “What is the Value of Screening for Herbicide Resistance in Arkansas?” Selected Paper presentation at Southern Agricultural Economics Association Annual Meeting Annual Meeting, New Orleans, Louisiana, February 14-15, 2022.

Peterson-Wilhelm, B., L. Nalley, A. Durand-Morat, A. Shew, R. Parajuli and G. Thoma. “Benefit Cost Ratio of the Arkansas Rice Checkoff Program.” Call for paper accepted at Southern Agricultural Economics Association Annual Meeting, Virtual, February 6-9 2021.

Peterson-Wilhelm, B., L. Nalley, A. Durand- Morat, A. Shew, F. Tsiboe and W. Mulimbi. “Rice Quality Preferences and Value Heterogeneity in Sub-Saharan Africa” Selected Paper presented at Food Distribution Research Society Annual Conference, Virtual, October 13, 2020.

Peterson-Wilhelm, B., L. Nalley, A. Durand-Morat, A. Shew, R. Parajuli and G. Thoma. “The Economic and environmental benefits of the Rice Checkoff Program in Arkansas”. Presented to the 2020 Delta States Farm Management and Agricultural Policy Working Group (SERA 35). Online. September 25, 2020.

Peterson-Wilhelm, B., L. Nalley, and A. Durand-Morat. “Pricing Open Bagged Rice in Nigeria: A Hedonic price model approach” Selected Paper presented at Agricultural & Applied Economics Association Virtual Meeting, Virtual, August 10- 11, 2020.

Peterson-Wilhelm, B., L. Nalley, F. Tsiboe, and A. Durand-Morat. “Do Rice Markets in Ghana Work Efficiently?” Selected Paper presented to Rice Technical Working Group, Orange Beach, Alabama, February 23-27, 2020.

Peterson-Wilhelm, B., L. Nalley, W. Mulimbi and A. Durand-Morat. “Assessing Rice Market Efficiencies in the Democratic Republic of the Congo.” Selected Paper presented at Southern Agricultural Economics Association Annual Meeting, Louisville, Kentucky, February 1-4, 2020.

Posters

Peterson-Wilhelm, B., L. Nalley, A. Durand-Morat, J. Norsworthy, “Economic and Environmental Value of Screening for Herbicide Resistance in Barnyardgrass in Arkansas” Selected Poster presented at Agricultural & Applied Economics Association Annual Meeting, Austin, Texas, August 1-4, 2021.

Peterson-Wilhelm, B., L. Nalley, A. Durand- Morat, A. Shew. “Are rice markets efficient in Mozambique to help alleviate food insecurity?” Selected Poster presented at 4th International Conference on Global Food Security Online, Virtual, December 7-9, 2020.

Peterson-Wilhelm, B., L. Nalley, R. M. Nayga Jr., and H. Snell. “Consumers’ Valuation for Cocoa and Forest Initiative Certified Chocolate” Selected Poster presented at Agricultural & Applied Economics Association Virtual Meeting, Virtual, August 10-11, 2020.

Extension Presentations

Nalley, L., A. Durand, A. Shew and **B. Peterson-Wilhelm**. Return on Investment of Rice Check-off Funding. Presentation made to the Annual Arkansas Rice Board Meeting. August 6, 2020.

Technical Skills

STATA, R Studio, Microsoft Excel

Honors & Awards

University of Arkansas Agricultural Economics Outstanding Masters Graduate Student 2021
Kansas State Agricultural Economics Outstanding Senior 2019

Activities & Community Involvement

Graduate Students of Agricultural Economics Club August 2021-Present

K-State College of Agriculture Ambassador February 2016- May 2019

- College of Agriculture Open House Coordinator (2017-2018)

National FFA Organization August 2011- May 2018

- Kansas State Vice President (2015-2016)
- Kansas FFA State Officer Nominating Committee Member (May 2017)
- State Officer Trainer (February 2018-May 2018)

Professional History

Cargill May 2018 – August 2018
Commodity Merchant Intern, SSNA Fort Dodge, IA

- Analyze grain origination for plant
- Provided recommendations for growth based on analysis

SkillsUSA & FFA Organization April 2016- June 2017
SkillsUSA Leverage Facilitator Louisville, KY
Nebraska FFA Facilitator Kearny, NE

- Facilitated conference with small group and large group sessions
- Trained SkillsUSA member to become state officers
- Developed curriculum and schedule for FFA conference

Kansas Crop Improvement Association May 2015 – September 2016
Field Inspector and Lab Intern Manhattan, KS

- Completed weed and seed identification training
- Inspected wheat seed fields for quality and variety characteristics
- Analyzed germination and purity of wheat seed in lab