

Grant E. Gardner, Ph.D.

Assistant Extension Professor – University of Kentucky
408 Charles E. Barnhart Building, Lexington, KY
40546 Phone: (812) 890-3455
Email: Grant.Gardner@uky.edu

Experience:

Assistant Extension Professor, University of Kentucky, Department of Agricultural Economics 2023-Present
Ph.D. Research Assistant, Kansas State University, Department of Agricultural Economics 2019-2022
M.S. Research Assistant, University of Nebraska Lincoln, Department of Agricultural Economics 2017-2019
Undergraduate Research Assistant, Purdue University, Department of Agricultural Economics 2016-2017

Education:

Ph.D., Kansas State University, Manhattan, Kansas December 2022
Doctor of Philosophy in Agricultural Economics
Dissertation: Data Not Available? Survey Applications to Carbon Sequestration and Irrigation Water Quality
M.S., University of Nebraska, Lincoln, Nebraska August 2019
Master of Science in Agricultural Economics
Thesis: An Economic Application of Site-Specific Input Application
B.S., Purdue University, West Lafayette, Indiana May 2017
Bachelor of Science in Agribusiness Management, Honors Program, Minor in Agronomy

Peer Reviewed Publications:

Gardner, G. Sampson, G. (2021) “Land Value Impacts of Ethanol Market Expansion Differ By Irrigation Status” Journal of Agricultural and Resource Economics. September 2022.
<https://jareonline.org/articles/land-value-impacts-of-ethanol-market-expansion-by-irrigation-status/>.

Gardner, G. Sampson, G. Presley, D. (2021) “Irrigator Perceptions and The Value Of Groundwater Quality In The High Plains Aquifer” Journal of Soil and Water Conservation. May 2021.
<https://www.jswnonline.org/content/early/2021/05/21/jswn.2021.00118/tab-article-info>.

Gardner, G. Mieno, T. Bullock, D. (2021) “An Economic Evaluation of Site-Specific Input Application Rx Maps: Evaluation Framework and Case Study” Precision Agriculture. March 2021.
<https://link.springer.com/article/10.1007/s11119-021-09785-z>.

Peer Reviewed USDA Publications

Hronzencik, R.A. **Gardner, G.** Potter, N. Wallander, S. (2022) “Survey of Irrigation Organizations: Groundwater Management” USDA ERS. Economic Brief Number 34. April 2023.
<https://www.ers.usda.gov/publications/pub-details/?pubid=102949>

Working Papers

Gardner, G., Sampson, G., Tonsor, G. “Cover Crop and No-Till Adoption: What Affects Willingness to Accept of Cover Crop and No-Till Contracts?”

Gardner, G., Sampson, G. “Producer Response to Groundwater Quality Concerns: Are Concerned Producers Watering Less?”

Peer-Approved Extension Publications:

Gardner, G., Biram, H. “Rethinking Fertilizer Prices” Southern Ag Today. April 10, 2023.

Gardner, G., Smith, A. “Sensitivity of USDA’s Agricultural Outlook Forum Projections to Changes in Soybean Crush Demand” Southern Ag Today. March 27, 2023.

Gardner, G., Smith, A. “Sensitivity of USDA’s Agricultural Outlook Forum Projections to Changes in Corn Exports” Southern Ag Today. March 20, 2023.

Smith., A. **Gardner, G.** “February USDA Agricultural Outlook Forum Projections Compared to USDA Final Estimates” Southern Ag Today. March 6, 2023.

Extension Newsletters and Bulletins:

- Gardner, G.** “Projected Plantings and Historical Accuracy” (2023) U.K. Economic and Policy Update. April 2023.
- Gardner, G.** “What Would Discontinuation of the Black Sea Grain Deal and Poor Wheat Conditions Mean for Wheat Price?” (2023). U.K. Wheat Newsletter. April 2023.
- Gardner, G.** “Sensitivity of USDA’s 2023 Ag Outlook Forum Projections to Yield” U.K. Corn and Soybean Newsletter. March 2023.
- Mieno, T. **Gardner, G.** “The Economic Evaluation of Input Use Prescription Maps: Are You Paying to Make Less Profit?” (2019). Cornhusker Economics.

Extension Programming:

Outlook and Management Presentations (2023). **3 County Presentations.**

Presented a mix of corn, soybeans, and wheat marketing, fertilizer outlook, and farm management decision-making tools.

Other Media:

Job Introduction and Market Thoughts. (2023). Kentucky Ag Matters Podcast.

Re-Publications:

Gardner, G., Biram, H. Rethinking Fertilizer Prices. Farm Progress. April 2023.

<https://www.farmprogress.com/crops/rethinking-fertilizer-prices>

Smith., A., **Gardner, G.** USDA Ag Outlook Favors Lower Prices. March 2023.

<https://www.farmprogress.com/grains/usda-ag-outlook-favors-lower-prices>

Teaching Experience:

Price Analysis and Forecasting, KSU, Guest Lecture: Hedonic Pricing Models	2022
Decision Tools for Agricultural Economics and Agribusiness, KSU, Teacher	2021
Class Adjusted Overall Effectiveness as a Teacher: 4.1/5	
Marketing of Agricultural Commodities, UNL, Fabio Mattos, Teaching Assistant	2019
Introduction to Commodity Marketing, UNL, Fabio Mattos, Teaching Assistant	2018
Linear Programming, Purdue, Craig Dobbins/Juan Sesmero, Teaching Assistant	2015-2017

Professional and Peer Presentations:

“Does Irrigation Behavior Coordinate with Irrigator Perceptions of Water Quality?” AAEA	2022
“Carbon Sequestration: Heterogeneity in Willingness to Accept” WAEA	2022
“Irrigator Perceptions and the Value of Groundwater Quality” Poster Presentation, KSU	2021
“Land Value Impacts of Ethanol Market Expansion Differ by Irrigation Status” AAEA	2021
“Land Value Impacts of Ethanol Market Capacity” Risk and Profit Extension Conference, KSU	2021
Speaker Quality: 4.4/5	
Content: 4.6/5	
“2019 Survey of Irrigation Organizations Research Briefing” USDA Drought and Water	2021
“Economic Evaluation of Variable Rate Nitrogen Application” AAEA.	2020
Extension Competition. Top Ten Presenter.	
“Economically Optimum Seeding and Nitrogen Rates.” Thesis Defense	2019
“Decision Making on Multigenerational Farms.” Potash i2i Poster Presentation.	2017

Fellowships and Memberships:

Agricultural Future of America Alliance Member	2017-Present
IFAMA Member	2017-Present
AAEA Member	2021-Present
WAEA Member	2021-Present
USDA National Needs Fellow	2019-2022
Nolan G. and Jean M. McKenzie Graduate Student Fellowship	2021-2022
Center for Risk Management Fellow, Kansas State University	2019-2021
Timothy R. Donoghue Fellow	2019-2021

Campus Service:

Alpha Gamma Rho Fraternity

Chapter Coach, University of Kentucky

2023-Present

Advisor, University of Nebraska-Lincoln, and Kansas State University

2017-2022

Graduate Student Council, Kansas State University

Research Forums Co-Chair

2019-2021

Agricultural Economics Case Study Club, Kansas State University

Secretary

2019-2020

Other Professional Work Experience:

USDA Economic Research Service, Kansas City, MO

Summer 2021

Economics Intern

DuPont Pioneer, Champaign, IL

Summer 2017

Agronomy Sales Intern

Frito Lay, Oak Forest, IL

Summer 2016

Future Sales Leader

DuPont Pioneer, Champaign, IL

Summer 2015

Crop Research Intern

Mouzin Brother Farms, Vincennes, IN

2010-2014

Farm Hand

Gardner Farms, Vincennes, IN

as Available

Farm Hand