

Gabriel S. Sampson
Department of Agricultural Economics
Kansas State University
331G Waters Hall
Manhattan, KS 66506
gsampson@ksu.edu
gabrielsampson.weebly.com

Education

University of California, Davis

Ph.D., Agricultural and Resource Economics, 2016

Fields: Environmental and Resource Economics, Econometrics

University of California, Santa Barbara

Master of Environmental Science and Management, 2010

California State University, Chico

B.S., Environmental Science, 2007

Positions

Associate Professor, Department of Agricultural Economics, Kansas State University, 2021-present

Assistant Professor, Department of Agricultural Economics, Kansas State University, 2016-2021

Research Interests

Natural Resource Economics, Agricultural Economics, Water Resources, Conservation

Peer-Reviewed Publications

(* denotes graduate student coauthor)

Gardner, G.* and G.S. Sampson. "Land Value Impacts of Ethanol Market Expansion by Irrigation Status." *Journal of Agricultural and Resource Economics*. doi: 10.22004/ag.econ.313314

Sampson, G.S., A. Al-Sudani*, and J. Bergtold. "Local Irrigation Response to Ethanol Expansion in the High Plains Aquifer." *Resource and Energy Economics*, 66: 101249, <https://doi.org/10.1016/j.reseneeco.2021.101249>.

Gardner, G.*, G.S. Sampson, and D. Presley. 2021. "Irrigator Perceptions and the Value of Groundwater Quality in the High Plains Aquifer." *Journal of Soil and Water Conservation*, May, DOI: <https://doi.org/10.2489/jswc.2021.00118>.

Sampson, G.S., E.D. Perry, and M.R. Taylor. 2020. "The On-farm and Near-farm Effects of Wind Turbines on Agricultural Land Values," *Journal of Agricultural and Resource Economics*, 45(3): 410-427.

Taylor, M.R., N.P. Hendricks, G.S. Sampson, and D. Garr. 2020. "The Opportunity Cost of the Conservation Reserve Program: A Kansas Land Example," *Applied Economic Perspectives and Policy*, 43(2): 849-865, <https://doi.org/10.1002/aapp.13040>.

Ofori, E.O.*, G.S. Sampson, and J. Vipham. 2019. "Smallholder Cooperatives and Agricultural Performance in Cambodia," *Natural Resources Forum*, 43: 218-229.

Sampson, G.S. and E.D. Perry. 2019. "Peer Effects in the Diffusion of Water-saving Agricultural Technologies," *Agricultural Economics*, 50: 693-706.

Sampson, G.S., N.P. Hendricks, and M.R. Taylor. 2019. "Land Market Valuation of Groundwater," *Resource and Energy Economics*, 58: 101120, <https://doi.org/10.1016/j.reseneeco.2019.101120>.

Sampson, G.S. and J.N. Sanchirico. 2019. "Exploitation of a Mobile Resource with Costly Cooperation," *Environmental and Resource Economics*, 73(4): 1135-1163.

Sampson, G.S. and E.D. Perry. 2019. "The Role of Peer Effects in Natural Resource Appropriation: The Case of Groundwater," *American Journal of Agricultural Economics*, 101(1): 154-171.

Sampson, G.S. 2018. "Economic Spillovers in Spatial Harvest Behavior," *Ecological Economics*, 145(2018): 57-74.

Sampson, G.S., J.N. Sanchirico, C.A. Roheim, S. Bush, J.E. Taylor, E.H. Allison, J.L. Anderson, N. Ban, R. Fujita, S. Jupiter, and J.R. Wilson. 2015. "Secure Sustainable Seafood from Developing Countries," *Science* 348(6234): 504-506.

Farzan, S., D. Young, A. Dedrick, M. Hamilton, E. Porse, G.S. Sampson, and P. Coates. 2015. "Western Juniper Management: Assessing Policies for Greater Sage-Grouse Habitat and Rangeland Productivity," *Environmental Management* 56(3): 675-683.

Working Papers

(* denotes graduate student coauthor)

Al-Sudani, J. Bergtold and G.S. Sampson. "Extensive Margin Adjustments to Water Scarcity in the Kansas High Plains Aquifer."

Outreach and Other Publications

Lew, D.K., G.S. Sampson, A. Himes-Cornell, J. Lee, and B. Gabrer-Yonts. 2015. "Costs, Earnings, and Employment in the Alaska Saltwater Sport Fishing Charter Sector, 2011-2013," *NOAA Technical Memorandum NMFS-AFSC* (Peer reviewed).

Burtraw, D., A. Krupnick, and G.S. Sampson. 2012. "The True Cost of Electric Power," Resources for the Future Report, Washington, DC.

Sampson, G.S. 2009. "Solar Power Installations on Closed Landfills: Technical and Regulatory Considerations". Report Prepared for US EPA Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation.

Selected Works in Progress

Aseete, P. A. Barkley, and G.S. Sampson. "The Impact of Biofuel Plants on Agricultural Earnings, Land Values, and Farm Employment: The Great Plains, 1997-2017."

Edwards, E., N.P. Hendricks, and G.S. Sampson. "Capitalization of Water Rights Characteristics into Agricultural Land Values."

Teaching Experience

Instructor, Kansas State University, Department of Agricultural Economics, AGEC 936: Quantitative Topics in Agricultural Economics (PhD Level, Spring 2022)

Instructor, Kansas State University, Department of Agricultural Economics, AGEC 925: Advanced Environmental and Natural Resource Economics (PhD Level, Fall 2017, Spring 2021)

Instructor, Kansas State University, Department of Agricultural Economics, AGEC 825: Natural Resource Policy (Master's and PhD Level, Fall 2016, Fall 2018, Fall 2020)

Instructor, Kansas State University, Department of Agricultural Economics, AGEC 525: Natural Resource and Environmental Economics (Undergraduate Level, Fall 2018, Fall 2019, Fall 2020, Fall 2021)

Grants and Funded Research

H. Mehl (PI), C. Baldwin (Co-PI), J. Aguilar (Co-PI), and G.S. Sampson (Co-PI). “Creating Fresh Approaches to Water Use Efficiency for Communities and Wildlife in a Water-stressed Area of Central Kansas.” (\$1,112,087). Natural Resource Conservation Service. *September 2020 - September 2023*.

Sampson, G.S. (PI) and D. Presley (Co-PI), “Assessing Trade-Offs Between Agricultural Intensification and Natural Resources.” (\$69,852). John and Della Hodler Research Fund. *October 2018 - October 2020*.

Vipham, J.L. (PI), J. DeRouchey (Co-PI), C. Rivard (Co-PI), G.S. Sampson (Co-PI), and Z. Stewart (Co-PI), “Multidimensional Trade-Off Analysis of Integrated Animal-Horticulture Farming Systems for Improved Smallholder Farmer Adoption Recommendations.” (\$750,000). UC Davis Horticulture Innovation Lab and USAID. *February 20, 2017 - July 31, 2019*. (Co-PIs share equal contribution behind the PI).

Selected Grants Applied

Co-PI, “Farming and Groundwater Conservation Benefits from Improved Evapotranspiration Estimates.” (\$49,989), K State Global Food Systems Seed Grant. *not awarded*.

PI, “The Effects of Groundwater Salinity on Crop Patterns and Yields in the Kansas High Plains Aquifer.” (\$5,000) with J. Yu (Co-PI), CoBank Research Fellowship. *not awarded*.

PI, “Social Propagation of Irrigation and Efficient Irrigation Technologies.” (\$30,000) with E.D. Perry (Co-PI), Kansas Water Resources Institute. *not awarded*.

Co-PI, “How the Necessity for Water Conservation Will Impact Food Production and Allow for Economic Incentives Through the Generation of Renewable Energy.” (\$2,500,000) with J. Tucker (PI), W. Goe, H. Morgan, V. Rahmani (Co-PIs), National Science Foundation. *not awarded*.

Selected Presentations, Workshops, Posters

2021: Agricultural and Applied Economics Association Annual Meeting, “Land Value Impacts of Ethanol Market Expansion by Irrigation Status,” with G. Gardner.

2021: Kansas State University Department of Agricultural Economics

2020: Agricultural and Applied Economics Association Annual Meeting, “Local Irrigation Response to Ethanol Production in the High Plains Aquifer,” with A. Al-Sudani and J. Bergtold.

2019: Kansas State University Risk and Profit Conference, “The Effect of Wind Turbines, Groundwater Stocks, and Irrigation on Land Values.”

2019: Agricultural and Applied Economics Association Annual Meeting, “On-farm and Near-farm Effects of Wind Turbines on Agricultural Land Values,” with E. Perry and M. Taylor.

2019: Association of Environmental and Resource Economists Annual Meeting, “Land Market Valuation of Groundwater,” with N. Hendricks and M. Taylor.

2018: Heartland Environmental and Resource Economics Workshop, “Land Market Valuation of Groundwater,” with N. Hendricks and M. Taylor.

2018: Agricultural and Applied Economics Association Annual Meeting, “Peer Effects in the Diffusion of Water Saving Agricultural Technologies,” with E. Perry.

2018: Agricultural and Applied Economics Association Annual Meeting, “Land Market Valuation of Groundwater Availability,” with N. Hendricks and M. Taylor.

2018: UC Davis Horticulture Innovation Lab Annual Meeting, “Multidimensional Trade-Off Analysis of Integrated Animal-Horticulture Farming Systems for Improved Smallholder Farmer Adoption Recommendations,” with J. Vipham, L. Hok, J. Derouchey, K. Sath, C. Rivard, P. Srean, A. Yoeu, Z. Stewart, C. Leangrun.

2017: Association of Environmental and Resource Economists Annual Meeting, “The Role of Peer Effects in Resource Extraction Technologies: The Case of Groundwater Irrigation in Kansas,” with

E. Perry.

2017: Agricultural and Applied Economics Association Annual Meeting, “The Role of Peer Effects in Resource Extraction Technologies: The Case of Groundwater Irrigation in Kansas,” with E. Perry.

2016: Association of Environmental and Resource Economists Annual Meeting, “Economic Spillovers in Spatial Harvest Behavior.”

2016: Southern Economic Association Annual Meeting, “Exploitation of a Mobile Resource with Costly Cooperation,” with J. Sanchirico.

2015: Kansas State University Department of Agricultural Economics

2015: Property and Environment Research Center

2015: Agricultural and Applied Economics Association Annual Meeting, “Cooperation, Externalities, and Spatial Property Rights: Implications for Small Scale Fisheries Management,” with J. Sanchirico and J. Wilen

2015: North American Association of Fisheries Economists Forum, “Cooperation, Externalities, and Spatial Property Rights: Implications for Small Scale Fisheries Management,” with J. Sanchirico and J. Wilen

2014: Small Scale Fisheries Management Reform and Habitat Conservation (hosted by David and Lucille Packard Foundation), with E. Allison, J. Anderson, N. Ban, S. Bush, R. Fujita, S. Jupiter, C. Roheim, J. Sanchirico, J.E. Taylor, and J. Wilson.

2013: UC Davis REACH IGERT Workshop (hosted by National Science Foundation), with A. Dedrick, S. Farzan, M. Hamilton, E. Porse, and D. Young.

Fellowships and Awards

Property and Environment Research Center, Graduate Fellowship (2015)

National Science Foundation, IGERT Fellowship for Designing management scale for complex marine ecosystems (2015)

University of California, Davis, Henry Jastro Research Grant (2015-2016)

University of California, Davis, Graduate Student Travel Award (2015)

National Science Foundation, IGERT Fellowship for Responding to rapid environmental change (2011-2013)

US Environmental Protection Agency, National Network for Environmental Management Studies Fellowship (2009)

Graduate Students

Grant Gardner (major advisor), Ph.D. (expected 2023)

Syed Haroon (committee), Ph.D. (expected 2021)

Gabriela Perez-Quesada (committee member), Ph.D. (expected 2021)

Emily Parker (committee), M.S. (expected 2021)

Amer Al-Sudani (co-major advisor), Ph.D. (expected 2021), first position: Louisiana State University post-doc

Juhee Lee (committee), Ph.D. (2020), first position: UC Riverside post-doc

Scholarly Service

Peer reviewer for:

Journal of the Association of Environmental and Resource Economists

American Journal of Agricultural Economics

Land Economics

Resource and Energy Economics

Journal of Agricultural and Resource Economics

Marine Resource Economics

Water Resources Research

Journal of the American Water Resources Association

Energy Journal

Agricultural Water Management

Global Environmental Change

Water Resources and Economics
Irrigation Science
Natural Resource Modeling
Fisheries Research
Fish and Fisheries
USDA NIFA Agricultural and Food Research Initiative grant panel 2021
AAEA Annual Meeting 2019 abstract referee
USDA-NIFA Hatch Proposal

Department, University, and Professional Service

Chair-Elect, Environmental Economics Section of the Association of Agricultural and Applied Economics, 2021
K State Global Food Systems Seed Grant Review Panel, 2020
Department of Agricultural Economics Representative, Northeast Extension Agricultural Economist Screening Committee, Kansas Farm Management Association, 2019
Department of Agricultural Economics Graduate Program Committee, 2018 - Present
Department of Agricultural Economics Ph.D. Preliminary Exam Committee, 2018-2019.