

YUE ZHAO

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Department of Economics, Iowa State University

<https://yuezhao-isu.weebly.com/>

EDUCATION

Iowa State University 2019 - 2024 (expected)

Ph.D. candidate. Major: Economics. Minor: Statistics.

Primary field: Agriculture Economics. Secondary field: Energy Economics.

University of Wisconsin-Madison 2017 - 2019

M.S., Agricultural and Applied Economics

Minzu University of China 2013 - 2017

B.S., Public Finance

RESEARCH FIELDS

Agriculture Production Risk Analysis, Risk Management, Crop Insurance, Environmental Impacts of Agriculture Production, Genetically Modified Crops, Commodity Markets, Precision Agriculture Practices, Agriculture Technology Adoption, Electricity Market.

PUBLICATIONS

Zhao, Yue, Adria E. Brooks, and Xiaodong Du. "Electricity market resilience in the face of Hurricane Harvey: A network-oriented approach." *Energy Economics* (2024): 107879.

Zhao, Yue, David A. Hennessy, Laura E. Lindsey, Maninder P. Singh, and Alexander J. Lindsey. "Information Conveyed by Management Zones and Optimal Soybean Seeding Rate." *Agronomy Journal*, no. 6 (2023): 1–13.

Du, Xiaodong, **Yue Zhao**, and Adria E. Brooks. "Wholesale Price Dynamics in the Evolving Texas Power Grid." *The Electricity Journal* 36, no. 5 (2023): 107287.

Yue Zhao. "Credit Constraints for Family Farms in Heshan City and Jinxiu Yao Autonomous County of Guangxi Zhuang Autonomous Region." *Beijing Financial Review*, 4(4) (2015): 210-217. (In Chinese.)

Yue Zhao. "Theodore W. Schultz' Thoughts of Transforming Traditional Agriculture and the Implication on China's Agricultural Modernization," *Wenhua Selections I*, China Economic Press, (2015): 251-259. (In Chinese.)

WORKING PAPER

"Small Precautionary Response to Risk in Corn Seeding Rate Decisions." (**Yue Zhao**, David Hennessy, and Alexander Lindsey. Under review in *Journal of Agricultural and Resource Economics*.)

WORKS IN PROGRESS

"Diffusion and Adoption of Genetically Modified Corn and Soybean Varieties in the United States." (**Yue Zhao** and David Hennessy.)

“Different Tolerance of Corn and Soybean to Weather Stresses, Technology Adoption, and Commodity Market Responses.” (Yue Zhao and David Hennessy.)

“Land Quality Heterogeneity, Profit Function Curvature, and Increasing Returns to Information Quality in Precision Agriculture.” (Yue Zhao and David Hennessy.)

CONFERENCE PRESENTATION

2024 Agricultural & Applied Economics Association Annual Meeting

“Land Quality Heterogeneity, Profit Function Curvature, and Increasing Returns to Information Quality in Precision Agriculture.”

2023 Agricultural & Applied Economics Association Annual Meeting

“Different Tolerance of Corn and Soybean to Weather Stresses and Implications on Crop Insurance Subsidies’ Distortion Effects.”

2022 Agricultural & Applied Economics Association Annual Meeting

“Precautionary Motives in Corn Optimal Seeding Rate Choices.”

“Information Conveyed by Management Zones and Optimal Soybean Seeding Rate.”

2021 Agricultural & Applied Economics Association Annual Meeting

“Impact of Natural Disaster on Wholesale Electricity Market: The Case of Hurricane Harvey in ERCOT.”

TEACHING EXPERIENCE

Department of Economics, Iowa State University

Stand-alone Instructor, Principles of Microeconomics

Summer 2023

Teaching Assistant, Money, Banking, and Financial Institutions

Spring 2021

Teaching Assistant, Principles of Microeconomics

Spring 2021, Fall 2019

Teaching Assistant, Principles of Macroeconomics

Spring 2020, Fall 2020

OTHER RESEARCH EXPERIENCE

Research Assistant

August, 2021-present

Supervised by Prof. David Hennessy

Department of Economics, Iowa State University

Project Assistant

January, 2018-May, 2019

Supervised by Prof. Xiaodong Du

Department of Agricultural & Applied Economics, UW-Madison

Research Assistant

June, 2018-August, 2018

Funded by Ministry of Agriculture of the People’s Republic of China

Agricultural Policy Research Program

“Agricultural Products Branding and Agricultural Modernization of China.”

Research Team Member

January, 2015-April, 2016

National Undergraduates’ Research Training Project

“Research on Challenges that Family Farms Faced – The Case of Family Farms in Heshan City and Jinxiu Yao Autonomous County.”

AWARDS

Excellent Undergraduate Thesis at Minzu University of China *2017*
First Prize Scholarship for Academic Excellence at Minzu University of China *2014, 2015*

SKILLS & LANGUAGE

Software R, MATLAB, STATA, ArcGIS, LaTeX
Language English (proficient), Mandarin (native)

REFERENCES

David A. Hennessy (Major advisor)
Cargill Professor in Economics Systems
Department of Economics
Iowa State University
hennessy@iastate.edu

GianCarlo Moschini
Charles F. Curtiss Distinguished Professor
Pioneer Endowed Chair in Science and Technology Policy
Department of Economics
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Xiaodong Du
Professor
Department of Agricultural & Applied Economics
University of Wisconsin-Madison
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