

MENGLIN LIU

Ph.D. candidate, Agricultural & Applied Economics

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EDUCATION

University of Illinois at Urbana-Champaign

Ph.D. in Agricultural and Applied Economics

Expected August 2025

M.S. in Agricultural and Biological Engineering

2012

China Agricultural University

B.E. in Agricultural Mechanization and Automation

2011

FIELDS OF INTEREST

Agricultural Economics, Environmental and Natural Resource Economics, Big Data Analytics and Machine Learning

WORKING PAPERS

“Policy instruments to promote the adoption of sustainable nitrogen management practices” with Madhu Khanna and Shady S. Atallah

“Farmer willingness to adopt profit-maximizing phosphorous and potassium management practices” with Madhu Khanna and Shady S. Atallah

“The effect of conservation tillage on corn and soybean yields in the US corn belt: A Post-Double-Selection Method” with Benjamin M. Gramig

REPORTS AND EXTENSION ARTICLES

Menglin Liu and Joe Janzen. “How Did Corn Farmers Adjust Nitrogen Application Rates in Illinois in 2022?” *farmdoc daily* (13): 235, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 27, 2023.

Amy W. Ando, Jonathan Coppess, Benjamin Gramig, **Menglin Liu** and Nicholas Paulson “The Achilles Heels of Carbon Farming: Operational Constraints on the Next Cash Crop.” (July 18, 2022) Available at SSRN: <https://ssrn.com/abstract=4166379> or <http://dx.doi.org/10.2139/ssrn.4166379>

Menglin Liu and Benjamin M. Gramig. "Survey of Cover Crop, Conservation Tillage and Nutrient Management Practice Usage in Illinois and 2020 Fall Covers for Spring Savings Crop Insurance Discount Program Participation." Report to the Illinois Department of Agriculture and Fall Covers for Spring Savings working group. Center for the Economics of Sustainability and Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign. 2021.

CONFERENCE PRESENTATIONS

“Policy instruments to promote the adoption of sustainable nitrogen management practices.”

South Economic Association (SEA) 94th Annual Meeting, Washington DC, November 23 – 25, 2024

Heartland Workshop in Environmental and Resource Economics, Urbana, IL, October 26 – 27, 2024

Agricultural & Applied Economics Association (AAEA) Annual Meeting, New Orleans, LA, July 28 – 30, 2024

Center for Digital Agricultural Conference 2024 (Future of Digital Agriculture), Champaign, IL, March 6, 2024

“The effect of conservation tillage on corn and soybean yields in the US corn belt: A Post-Double-Selection Method.”

Agricultural & Applied Economics Association (AAEA) Annual Meeting, Anaheim, CA, July 31 – August 2, 2022

PROFESSIONAL EXPERIENCE

Graduate Research Assistant

January 2020 – Present

University of Illinois at Urbana-Champaign

Research Analyst Intern

May – August 2024

Bunge Management Service Inc

Automated the existing models and data pipelines for long-term economic research

Graduate Teaching Assistant

August 2019 – May 2020

University of Illinois at Urbana-Champaign

Farm Management (ACE 232)

Personal Financial Planning (ACE 240)

Engineer

September 2012 – May 2019

Deere & Company

Collaborated with design engineers to conduct Product Validation & Verification testing for new and current products

Led China crop harvesting product safety and compliance activities

Provided engineering standard services to China crop harvesting engineering team

FELLOWSHIPS AND GRANTS

Conference Travel Grant	Department of ACE, U of I	2024, 2022
AAEA Travel Grant	AAEA Trust	2022
Brockson Fellowship	Department of ACE, U of I	2021
Dunn & Linse Scholarship	Department of ACE, U of I	2019
Samsung Scholarship	China Agricultural University	2010
National Scholarship	Ministry of Education, the People's Republic of China	2009

SERVICE

Treasurer	Graduate Student Organization, Department of ACE, U of I	2020
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SKILLS

Programming: R, Python, Stata, Ngene

Analytical Methods: Machine Learning, Applied Microeconometrics

REFERENCES

Madhu Khanna

ACES Distinguished Professor in Environmental Economics

Alvin H. Baum Family Chair and Director, Institute for Sustainability, Energy and Environment

Director, Center for Economics of Sustainability

University of Illinois, Urbana-Champaign

khanna1@illinois.edu

Shady S. Atallah

Associate Professor

Department of Agricultural and Consumer Economics

University of Illinois, Urbana-Champaign

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Benjamin M. Gramig

Research Agricultural Economist

Economic Research Service

US Department of Agriculture

benjamin.gramig@usda.gov