Nicholas James Gallagher

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Education

University of Wisconsin - Madison
PhD, Agricultural and Applied Economics — *Expected* 2024
MS, Agroecology — 2021
BS, Mathematics and Botany — 2010

CIEE – Monteverde, Costa Rica
Conservation Ecology — 2009

Experience

USDA, Economic Research Service – Resource and Rural Economics Division
Pathways Internship — 2022 – Present

USDA, Economic Research Service – Market and Trade Economics Division
Pathways Internship — 2021

Agricultural Research of Wisconsin, LLC
Research Agronomist — 2011 – 2017

Research

Presentations

I presented:

A Generalized Finite-Horizon Stochastic Dynamic Model of In-Season Farm Management to Capture Temporal Risk. American Agricultural Economics Association, Washington, DC, Jul 23-25, 2023

Others presented:

Developing Imputed Cropping Systems Data from NRCS CEAP-NRI/APEX Data and Model for Input into USDA-ERS REAP Model (with K. Maguire, S. Msangi, J. Osorio-Leyton, M. Aillery, and E. Kalvelagen). American Agricultural Economics Association, Washington, DC, July 23-25, 2023

Papers

Davis, W., N. Gallagher, C. Weber, and G. Lucier. 2022. Fill the Gaps: Supplementing Annual Domestic Specialty Crop Production Estimates. Vegetables and Pulses Outlook: April 2022, VGS-368, April 29, 2022. USDA, Economic Research Service.

Posters

Gallagher, N., P. Mitchell, M. Ruark, and K. Shelley. 2021. Composite Indicators for Incorporating Environmental Externalities into On-farm Economic Decision-Making using Farm Management Information Systems. American Agricultural Economics Association, Austin, TX, Aug 1-3, 2021.

Msangi, S., N. Gallagher, K. Maguire, and M Aillery. 2023. Capturing the critical agri-environmental linkages of livestock in the US: The example of the REAP model. 2023 American Agricultural Economics Association, Washington, DC, July 23-25, 2023.

Other Projects and Working Papers

"Characterization of Intensive Margin for Crop Management Inputs in the USDA-ERS REAP Model," with S. Msangi, K. Maguire, and M. Aillery.

"A Seasonal Stochastic Dynamic Model to Inform Prevented Planting Insurance Payment Structures and Reduce Ex-Post Moral Hazard," (Job Market Paper).

"Methods of Determining Optimal Alfalfa Harvest for Farm Management Software," with Z. Zhang, P. Mitchell, M. Digman, J. Cherney, and J. Jung.

Teaching

University of Wisconsin – Agricultural and Applied Economics
Machine Learning (AAE 722) – Teaching Assistant — Fall 2023

University of Wisconsin – Athletic Department
Intermediate Microeconomics (Econ 301) – Tutor — 2018-2020
Introductory Econometrics (Econ 410) – Tutor — 2018-2020

Service

Big Brothers Big Sisters of Dane County, WI
Boy Scouts of America – Eagle Scout

Awards and Fellowships

UW Graduate School Fellowship

Software

Julia (JuMP), R, GAMS, Python, MatLab, LaTeX