

CONTACT INFORMATION	1 (816) 412-7407 noe.nava@usda.gov https://noejn2.github.io/ Citizenship: United States of America and México	805 Pennsylvania Av. Kansas City, MO 64105
POSITIONS	USDA Economic Research Service Research Agricultural Economist Market and Trade Economics Division, Agricultural and Policy Models branch	2022 - <i>present</i>
EDUCATION	Ph.D., Applied Economics University of Illinois Urbana-Champaign, IL Advisor: William Ridley Dissertation: Three Essays on Agricultural and Consumer Economics, <i>Outstanding Doctoral Dissertation Award</i> Committee: William Ridley (chair), Sandy Dall’Erba, Yilan Xu, and Rafael Garduño-Rivera B.S., Mathematical Economics California State University, San Bernardino, San Bernardino, CA Advisor: Kazim Konyar <i>Summa Cum Laude</i>	2021 2016
RESEARCH INTERESTS	Methods Bayesian data analysis General equilibrium models Structural econometrics	Fields Agricultural production Consumption economics Food systems
PEER REVIEWED PUBLICATIONS	<ol style="list-style-type: none"> 1. <i>A model of the U.S. food system: What are the determinants of the state vulnerabilities to production shocks and supply chain disruptions?</i> 2023 Agricultural Economics 54(1): 95-109. ¹ ² with William Ridley, and Sandy Dall’Erba. doi:10.1111/agec.12750 2. <i>The impact of taxing sugary-sweetened beverages in México: A censored QUA demand system approach.</i> 2022. Journal of Agricultural and Applied Economics Association 1(1): 18-32. with Diansheng Dong. doi:10.1002/jaa2.6 3. <i>U.S. interstate trade will mitigate the negative impact of climate change on crop profit.</i> 2021. American Journal of Agricultural Economics 	

¹Most Outstanding Second Year Research Paper at University of Illinois at Urbana-Champaign-ACE 2020.

²The Charles M. Tiebout Prize in Regional Science 2021.

103(5): 1720-1741.
 with Sandy Dall’Erba, and Zhangliang Chen.
 doi:10.1111/ajae.12204

4. *The impacts of agroforestry on agricultural productivity, ecosystem services, and human well-being in low- and middle-income countries: An evidence and gap map.* 2020. **Campbell Systematic Reviews** 16(1): e1066.
 with Daniel C. Miller, Pablo J. Ordoñez, Sarah E. Brown, Samantha Forrest, Karl Hughes, and Kathy Baylis.
 doi:10.1002/cl2.1066
5. *The conduits and barriers to reentry for formerly incarcerated individuals in San Bernardino.* 2018. **Journal of Prison Education and Reentry** 5(1): 2-17.
 with Annika Anderson, and Patricia Cortez.
 doi:10.25771/sdf0-1631

WORKING PAPERS

1. *Revisiting the impact of climate change on agriculture through spatially-varying and place-tailored Ricardian estimates.*
 with Sandy Dall’Erba, Chang Cai, and A. Stewart Fotheringham.
 CREATE discussion paper
2. *Heterogenous patterns of crop yield growth stagnation across U.S. counties in the next decade.* (Submitted)
 Solo paper.
3. *Quantifying the food insecurity needs from price escalations among Mexican households.* (Submitted)
 with Rafael Garduño-Rivera, and Benjamin D.K. Wood.
4. *Estimating the market implications from Climate-Induced Corn and Soybean Yield Changes for the U.S.* (Conditionally accepted as an Economics Research Report)
 with Jayson Beckman, and Maros Ivanic.
5. *Incorporating the Land Allocation System into the GTAP framework* (Submitted)
 with Kristiina Ala-Kokko, Jayson Beckman, and Maros Ivanic.

PAPERS IN PREPARATION

1. *Tracing U.S. county-to-county domestic trade flows in grains.*
 with William Ridley, Sandy Dall’Erba, Jian Zou, Youning Chen, and Christa Court.
2. *Is it just non-farm influences? The impact of international demand for cereals on U.S. farmland appreciation*
 with William Ridley.
3. *Designing policies to achieve healthy and sustainable diets*
 with Grace Melo-Guerrero.

FELLOWSHIPS, GRANTS AND SCHOLARSHIPS	• A global agricultural supply-demand-climate-trade model calibrated to Baseline (Co-PI) (\$375,000)	2022
	• Towards a data hub of global daily weather forecasts for the ERS (PI) (\$30,000)	2022
	• ERS' international supply forecasting (\$30,000)	2022
	• International food consumption patterns-implications for global food security and trade (\$25,000)	2022
	• The Charles M. Tiebout Prize in Regional Science (\$1,000)	2021
	• Cleo Fitzsimmons Award (\$500)	2020
	• Agricultural and Consumer Economics Department Grant (\$400)	2019
	• Marshall Scott Fellowship (\$4,877.85)	2018
	• Brockson Fellowship (\$3,902.28)	2017
	• The Proactive Recruitment in Introductory Science and Mathematics Travel Grant (\$1,000)	2016
	• The Proactive Recruitment in Introductory Science and Mathematics Research Grant (\$2,000)	2015
	• The John & June Kennedy Economics Scholarship (\$1,500)	2015
AWARDS AND HONORS	• Outstanding Doctoral Dissertation Award, University of Illinois at Urbana-Champaign-ACE	2021
	• The Charles M. Tiebout Prize in Regional Science	2021
	• Farm foundation Agricultural Scholar	2021
	• Most Outstanding Second Year Research Paper, University of Illinois at Urbana-Champaign-ACE	2020
TEACHING AND MENTORSHIP EXPERIENCE	Mentor at ERS Summer internship Kristiina Ala-Kokko (Kansas State University)	2022
	Teaching Assistant ACE 240: Personal Financial Planning Instructor: Paul B Stoddard, Senior Lecturer Teaching Evaluation Scores: 5/5 <i>Lecture:</i> 160 students University of Illinois at Urbana-Champaign, IL Undergraduate Credit: 4 Hours.	FA19
	ACE 231: Food and Agribusiness Management Instructor: Paul B Stoddard, Senior Lecturer Teaching Evaluation Scores: 5/5 <i>Lecture:</i> 160 students University of Illinois at Urbana-Champaign, IL Undergraduate Credit: 4 Hours.	SP18
	ACE 341AMM: Issues in Agribusiness Markets and Management Instructor: Paul B Stoddard, Senior Lecturer Teaching Evaluation Scores: 5/5 <i>Lecture:</i> 20 students	FA17

University of Illinois at Urbana-Champaign, IL
Undergraduate Credit: 3 Hours.

RESEARCH IN THE NEWS

1. *“Climate change is real;” Researchers warn extreme weather events could impact Illinois agriculture* in WCIA.com
2. *Trade Insurance* in Jayson Lusk, Food and Agricultural Economist, personal blog.

RESEARCH ASSISTANTSHIPS

Interstate Trade as Mitigating Factor for the Effects of Climate Change on Illinois Agriculture

January 2020 - December 2021

How do the interstate trade flows of Illinois farm products respond to extreme weather events?

University of Illinois at Urbana-Champaign, IL

Supervisor: Prof. William Clifton Ridley

WORK EXPERIENCE

Intern

Department of Agriculture, U.S., Economic Research Service

Summer 2021

Market & Trade Economics Division

Agricultural Policy and Models Branch

Kansas City, MO

Intern

Department of Agriculture, U.S., National Agricultural Statistics Service

2016 - 2017

Environmental, Economics and Demographics

Washington, DC

Intern

Department of Agriculture, U.S., Rural Development Rural Housing Service

2015 - 2016

Washington, DC

SELECTED PRESENTATIONS

The probabilistic role of climate change on crop yield potential.

FCSM Research & Policy Conference (FCSM)

2022

The impact of taxing sugary-sweetened beverages in México: A censored QUAID demand system approach

Agricultural & Applied Economics Association (AAEA)

2022

A model of U.S. domestic crop trade to study state's food vulnerability to supply chain disruptions ³

Agricultural & Applied Economics Association (AAEA)

2021

Western Regional Science Association (WRSA)

2021

North American Regional Science Council (NARSC)

2020

³Previously titled *Who benefits from local agriculture?*

**Revisiting the impact of climate change on
agriculture through spatially-varying and place-tailored
Ricardian estimates**

North American Regional Science Council (NARSC)	2021
Workshop RED in Mexico: Challenges of a New Era	2018

REFERENCES	<p>William Clifton Ridley, Ph.D. Professor, Department of Agricultural and Consumer Economics University of Illinois Urbana-Champaign, IL wridley@illinois.edu</p> <p>Sandy Dall’Erba, Ph.D. Professor, Department of Agricultural and Consumer Economics University of Illinois Urbana-Champaign, IL dallerba@illinois.edu</p> <p>Rafael Garduño-Rivera, Ph.D. Professor, School of Economic and Administrative Sciences Universidad Panamericana, México rgardunor@up.edu.mx</p>
PROGRAMMING	Julia, L ^A T _E X, Markdown, Python, R, Stan, Stata, & SQL.
LANGUAGES	English & Spanish.
SERVICE AND PROFESSIONAL ACTIVITIES	<p>Journal Refereeing American Journal of Agricultural Economics; Economic Modelling; Nature Food; Organisation for Economic Co-Operation and Development (OECD); U.S. Global Change Research Program (USGCRP); World Development.</p>