

CONTACT INFORMATION	1 (217) 305-2300 noejnava2@gmail.com https://noejn2.github.io/ Citizenship: United States of America and México	
POSITIONS	USDA Economic Research Service Research Agricultural Economist Market and Trade Economics Division, Agricultural and Policy Models branch	2022 - 2025
EDUCATION	Ph.D., Agricultural and 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	2021
	B.A., Mathematical Economics California State University, San Bernardino, San Bernardino, CA Advisor: Kazim Konyar <i>Summa Cum Laude</i>	2016
RESEARCH INTERESTS	Methods Bayesian data analysis General equilibrium models Structural econometrics	Fields Agricultural production Consumption economics Food systems
JOURNAL ARTICLES	<ol style="list-style-type: none"> 1. <i>Land competition and poverty effects from the Mexico's proposal to ban Genetically Engineered corn.</i> American Journal of Agricultural Economics 106(3): 1300-1325. with Jayson Beckman, Angelica Williams, and Steven Zahniser. doi:10.1111/ajae.12463 2. <i>Losing Ground: Measuring the Welfare Effects of Retail Food Price Inflation during the COVID-19 Pandemic on Mexican Household.</i> Journal of Agriculture and Food Industrial Organization 22 (2): 143-154. with Benjamin D.K. Wood, and Rafael Garduño-Rivera. doi:10.1515/jafio-2023-0041 3. <i>Estimation of the Value-Added/Intermediate Input Substitution Elasticities Consistent with the GTAP Data.</i> 2023. Journal of Global Economic Analysis 8(2): 134-158. with Jayson Beckman, and Maros Ivanic. doi:10.21642/JGEA.080204AF 	

4. *A model of the U.S. food system: What are the determinants of the state vulnerabilities to production shocks and supply chain disruptions?* 2023. **Agricultural Economics** 54(1): 95-109. ¹ ²
with William Ridley, and Sandy Dall’Erba.
doi:10.1111/agec.12750
5. *The impact of taxing sugary-sweetened beverages in México: A censored QUAID demand system approach.* 2022. **Journal of Agricultural and Applied Economics Association** 1(1): 18-32.
with Diansheng Dong.
doi:10.1002/jaa2.6
6. *U.S. interstate trade will mitigate the negative impact of climate change on crop profit.* 2021. **American Journal of Agricultural Economics** 103(5): 1720-1741.
with Sandy Dall’Erba, and Zhangliang Chen.
doi:10.1111/ajae.12204
7. *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
8. *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

BOOK CHAPTERS

1. *Climate and Weather Impacts on Agricultural Productivity.* 2024. (Not yet published in) **Encyclopedia of Energy, Natural Resource, and Environmental Economics, 2e.**
with Eric Njuki, and Boris E Bravo-Ureta.

U.S.
DEPARTMENT OF
AGRICULTURE,
ECONOMICS
RESEARCH
SERVICE

1. *International Income and Price Elasticity Estimates: An Update* 2025 **Technical Bulletin** TB-1971.
with Yacob Abrehe Zereyesus, Tian Xia, Xianghong Li, and Lila Cardell
2. *Potential Budgetary Impacts of Climate Change on the Pasture, Rangeland, and Forage Insurance Plan* 2024 **Economic Brief** EB-38: 25pp.
with Dylan Turner, Katherine Baldwin, Jayson Beckman, Francis Tsiboe, and Kate Vaiknoras.

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

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

3. *ERS Research Models Future Effects of Climate Change on Corn and Soybean Yields, Production, and Exports 2024* **Amber Waves** 1545-8741. with Jayson Beckman.
ERS Amber Waves, March 04, 2024
4. *Estimating the market and trade implications from climate-Induced corn and soybean yield changes for the U.S.* 2023 **Economics Research Report** ERR-324: 31pp.
with Jayson Beckman, and Maros Ivanic.
5. *Warming temperatures in U.S. Corn Belt expected to continue into next decade.*
Charts of Note, December 5, 2023

WORKING PAPERS

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.
AAEA discussion paper
2. *The Impact of International Demand for Cereals on U.S. Crop Land Appreciation: A Model Implied Instrumental Variable Approach*
with William Ridley, and Stephen Morgan.
AAEA discussion paper
3. *Does trade openness affect global grain supply response?*
with Jacob Zereyesus, Jennifer Kee, Stephen Morgan, Nathan Hendricks, Michael Johnson, Lila Cardell, Jeremy Jelliffe, and Walter Acpangan.
AAEA discussion paper
4. *Estimation of the factor transformation elasticities consistent with the GTAP data.*
with Jayscon Beckman, and Maros Ivanic.
5. *Incorporating the Land Allocation System into the GTAP framework*
with Kristiina Ala-Kokko, Jayson Beckman, and Maros Ivanic.
GTAP discussion paper
6. *Heterogenous patterns of crop yield growth stagnation across U.S. counties in the next decade*
Solo paper.
7. *Agro-climatic patterns for the Corn Belt towards the middle of the century.*
with Eric Njuki, Jayson Beckman, and Maros Ivanic.
8. *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

PAPERS IN PREPARATION	<ol style="list-style-type: none"> 1. <i>Is agricultural insurance a safety net or a net of complacency amidst adaptation to extreme weather events?</i> with Francis Tsioboe, Dylan Turner, Katherine Baldwin, and Sharon Raszap. 2. <i>Designing policies to achieve healthy and sustainable diets</i> with Grace Melo-Guerrero.
FELLOWSHIPS, GRANTS AND SCHOLARSHIPS	<ul style="list-style-type: none"> • The impact of climate change on agricultural production, productivity, and trade (\$403,152) 2023 • Improving the capabilities of global trade models to analyze changes in land use/land cover and green house emissions (\$280,000) 2023 • A global agricultural supply-demand-climate-trade model calibrated to Baseline (\$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	<ul style="list-style-type: none"> • 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	<p>Mentor at ERS Summer internship Kristiina Ala-Kokko (Kansas State University) 2022</p> <p>Teaching Assistant ACE 240: Personal Financial Planning FA19 Instructor: Paul B Stoddard, Senior Lecturer <i>Lecture:</i> 160 students University of Illinois at Urbana-Champaign, IL Undergraduate Credit: 4 Hours.</p> <p>ACE 231: Food and Agribusiness Management SP18</p>

Instructor: Paul B Stoddard, Senior Lecturer
Lecture: 160 students
 University of Illinois at Urbana-Champaign, IL
 Undergraduate Credit: 4 Hours.

ACE 341AMM: Issues in Agribusiness Markets and Management FA17
 Instructor: Paul B Stoddard, Senior Lecturer
Lecture: 20 students
 University of Illinois at Urbana-Champaign, IL
 Undergraduate Credit: 3 Hours.

RESEARCH IN THE NEWS

1. *Climate Impacts on Corn and Soybean Yields by Mid-2030s* in Progressive Farmer
2. *"Climate change is real;" Researchers warn extreme weather events could impact Illinois agriculture* in WCIA.com
3. *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
 Market & Trade Economics Division
 Agricultural Policy and Models Branch
 Kansas City, MO

Summer 2021

Intern

Department of Agriculture, U.S., National Agricultural Statistics Service
 Environmental, Economics and Demographics
 Washington, DC

2016 - 2017

Intern

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

2015 - 2016

SELECTED PRESENTATIONS	The Impact of International Demand for Agricultural Products on U.S. Cropland Appreciation: A Model-Implied Instrumental Variable Approach	Agricultural & Applied Economics Association (AAEA)	2024
	The Impact of International Demand for Agricultural Products on U.S. Cropland Appreciation: A Model-Implied Instrumental Variable Approach	The International Agricultural Trade Research Consortium (IATRC)	2023
	Heterogeneous Patterns of Crop Yield Growth Stagnation across U.S. Counties in the Next Decade	Agricultural & Applied Economics Association (AAEA)	2023
		Track Session: Studying Climate Change Impacts from Different Methodological Perspectives	
	The probabilistic role of climate change on crop yield potential	FCSM Research & Policy Conference (FCSM)	2022
	The impact of taxing sugar-sweetened beverages in México: A censored QUAI demand system	Agricultural & Applied Economics Association (AAEA)	2022
		Track Session: Identification in Demand Estimations	
	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
	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	William Clifton Ridley, Ph.D.	Professor, Department of Agricultural and Consumer Economics University of Illinois Urbana-Champaign, IL wridley@illinois.edu	
	Sandy Dall'Erba, Ph.D.	Professor, Department of Agricultural and Consumer Economics University of Illinois Urbana-Champaign, IL dallerba@illinois.edu	
	Rafael Garduño-Rivera, Ph.D.	Professor, School of Economic and Administrative Sciences Universidad Panamericana, México rgardunor@up.edu.mx	
PROGRAMMING	Julia, L ^A T _E X, Markdown, Python, R, Stan, Stata, & SQL.		

³Previously titled *Who benefits from local agriculture?*

LANGUAGES English & Spanish.

SERVICE AND **Journal Refereeing**
PROFESSIONAL American Journal of Agricultural Economics; Economic Modelling; Discover
ACTIVITIES Food;s Environmental Research Letters; Journal of Agricultural and Applied
 Economics Association; Nature Food; Organisation for Economic Co-Operation
 and Development (OECD); U.S. Global Change Research Program (USGCRP);
 World Development.
 USDA - Economics Research Service
 Member, ERS Modeling Team Committee
 Member, ERS Brownbag Series Committee
 Abstract Reviewer
 AAEA Annual Meeting, 2025.
 AAEA Annual Meeting, 2024.