

CONTACT INFORMATION	1 (217) 305-2300 noejnava2@gmail.com <a href="https://noejn2.github.io/">https://noejn2.github.io/</a>  Citizenship: United States of America and México	
POSITIONS	<b>USDA Economic Research Service</b> Research Agricultural Economist Market and Trade Economics Division, Agricultural and Policy Models branch	2022 - <i>present</i>
EDUCATION	<b>Ph.D., Applied Economics</b> 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>B.S., Mathematical Economics</b> California State University, San Bernardino, San Bernardino, CA Advisor: Kazim Konyar <i>Summa Cum Laude</i>	2021       2016
RESEARCH INTERESTS	<b>Methods</b> Bayesian data analysis General equilibrium models Structural econometrics	<b>Fields</b> Agricultural production Consumption economics Food systems
PEER REVIEWED PUBLICATIONS	<ol style="list-style-type: none"> <li>1. <i>Estimating the market and trade implications from climate-Induced corn and soybean yield changes for the U.S.</i> <b>Forthcoming as Economics Research Report.</b> with Jayson Beckman, and Maros Ivanic.</li> <li>2. <i>Estimation of the value-added/intermediate input substitution elasticities consistent with the GTAP data</i> <b>Forthcoming in Journal of Global Economic Analysis.</b> with Jayson Beckman, and Maros Ivanic.</li> <li>3. <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 <b>Agricultural Economics</b> 54(1): 95-109. <sup>1</sup> <sup>2</sup> with William Ridley, and Sandy Dall’Erba. doi:10.1111/agec.12750</li> </ol>	

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

<sup>2</sup>The Charles M. Tiebout Prize in Regional Science 2021.

4. *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
5. *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
6. *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
7. *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. *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.
2. *Estimation of the factor transformation elasticities consistent with the GTAP data*.  
with Jayscon Beckman, and Maros Ivanic.
3. *Land competition and poverty effects from the Mexico’s proposal to ban Genetically Engineered corn*.  
with Jayson Beckman, Angelica Williams, and Steven Zahniser.
4. *Heterogenous patterns of crop yield growth stagnation across U.S. counties in the next decade*  
Solo paper.
5. *Quantifying the food insecurity needs from price escalations among Mexican households*. (Selected for the special issue of the *Journal of Agriculture and Food Industrial Organization* on the causes and consequences of retail food price inflation)  
with Rafael Garduño-Rivera, and Benjamin D.K. Wood.
6. *Incorporating the Land Allocation System into the GTAP framework*  
with Kristiina Ala-Kokko, Jayson Beckman, and Maros Ivanic.

7. *Does trade openness affect global grain supply response?*  
with Yacob Zereyesus, Jennifer Kee, Stephen Morgan, Nathan Hendricks, Michael Johnson, Lila Cardell, Jeremy Jelliffe, and Walter Acpangan.
8. *Global Grain Supply Forecasting*  
with Walter Acpangan, Nathan Hendricks, Yacob Zereyesus, Jennifer Kee, Jeremy Jelliffe, Stephen Morgan, and Lila Cardell.
9. *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

1. *Is agricultural insurance a safety net or a net of complacency amidst adaptation to extreme weather events?*  
with Francis Tsiboe, Dylan Turner, Katherine Baldwin, and Sharon Raszap.
2. *Agro-climatic patterns for the Corn Belt towards the middle of the century.*  
with Eric Njuki, Jayson Beckman, and Maros Ivanic.
3. *Tracing U.S. county-to-county domestic trade flows in grains.*  
with William Ridley, Sandy Dall’Erba, Jian Zou, Youning Chen, and Christa Court.
4. *Designing policies to achieve healthy and sustainable diets*  
with Grace Melo-Guerrero.

FELLOWSHIPS,  
GRANTS AND  
SCHOLARSHIPS

- 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	• 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	<b>Mentor at ERS Summer internship</b> Kristiina Ala-Kokko (Kansas State University)	2022
	<b>Teaching Assistant</b> 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.	
	ACE 231: Food and Agribusiness Management	SP18
	Instructor: Paul B Stoddard, Senior Lecturer <i>Lecture:</i> 160 students University of Illinois at Urbana-Champaign, IL Undergraduate Credit: 4 Hours.	
	ACE 341AMM: Issues in Agribusiness Markets and Management	FA17
RESEARCH IN THE NEWS	Instructor: Paul B Stoddard, Senior Lecturer <i>Lecture:</i> 20 students University of Illinois at Urbana-Champaign, IL Undergraduate Credit: 3 Hours.	
	1. <i>"Climate change is real;" Researchers warn extreme weather events could impact Illinois agriculture</i> in WCIA.com 2. <i>Trade Insurance</i> in Jayson Lusk, Food and Agricultural Economist, personal blog.	
RESEARCH ASSISTANTSHIPS	<b>Interstate Trade as Mitigating Factor for the Effects of Climate Change on Illinois Agriculture</b> 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	<b>Intern</b> 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 2015 - 2016  
 Rural Housing Service  
 Washington, DC

- SELECTED PRESENTATIONS
- Heterogeneous Patterns of Crop Yield Growth Stagnation across U.S. 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 QUAID 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**<sup>3</sup>  
 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

<sup>3</sup>Previously titled *Who benefits from local agriculture?*

Rafael Garduño-Rivera, Ph.D.  
Professor, School of Economic and Administrative Sciences  
Universidad Panamericana, México  
rgardunor@up.edu.mx

PROGRAMMING      Julia, L<sup>A</sup>T<sub>E</sub>X, Markdown, Python, R, Stan, Stata, & SQL.

LANGUAGES          English & Spanish.

SERVICE AND  
PROFESSIONAL  
ACTIVITIES      **Journal Refereeing**  
American Journal of Agricultural Economics; Economic Modelling; Environmental  
Research Letters; Nature Food; Organisation for Economic Co-Operation  
and Development (OECD); U.S. Global Change Research Program (USGCRP);  
World Development.