

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. *Heterogenous patterns of crop yield growth stagnation across U.S. counties in the next decade* (R&R)  
Solo paper.
2. *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.
3. *Incorporating the Land Allocation System into the GTAP framework* (R&R)  
with Kristiina Ala-Kokko, Jayson Beckman, and Maros Ivanic.
4. *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.
5. *Global Grain Supply Forecasting*  
with Walter Acpangan, Nathan Hendricks, Yacob Zereyesus, Jennifer Kee, Jeremy Jelliffe, Stephen Morgan, and Lila Cardell.
6. *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, Sharon Raszap, and Matthew Gammans.
2. *Agro-climatic patterns for the Corn Belt towards the middle of the century.*  
with Jayson Beckman, and Maros Ivanic.
3. *Estimation of the factor transformation elasticities consistent with the GTAP data.*  
with Jayscon Beckman, and Maros Ivanic.
4. *Land competition and poverty effects from the Mexico's proposal to ban Genetically Engineered corn.*  
with Jayson Beckman, Angelica Williams, and Steven Zahniser.
5. *Tracing U.S. county-to-county domestic trade flows in grains.*  
with William Ridley, Sandy Dall'Erba, Jian Zou, Youning Chen, and Christa Court.
6. *Is it just non-farm influences? The impact of international demand for cereals on U.S. farmland appreciation*  
with William Ridley.

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

	<ul style="list-style-type: none"> <li>• The Charles M. Tiebout Prize in Regional Science</li> <li>• Farm foundation Agricultural Scholar</li> <li>• Most Outstanding Second Year Research Paper, University of Illinois at Urbana-Champaign-ACE</li> </ul>	2021 2021 2020
TEACHING AND MENTORSHIP EXPERIENCE	<p><b>Mentor at ERS Summer internship</b> Kristiina Ala-Kokko (Kansas State University)</p> <p><b>Teaching Assistant</b> ACE 240: Personal Financial Planning 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 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 341AMM: Issues in Agribusiness Markets and Management Instructor: Paul B Stoddard, Senior Lecturer <i>Lecture:</i> 20 students University of Illinois at Urbana-Champaign, IL Undergraduate Credit: 3 Hours.</p>	2022 FA19 SP18 FA17
RESEARCH IN THE NEWS	<ol style="list-style-type: none"> <li>1. <i>"Climate change is real;" Researchers warn extreme weather events could impact Illinois agriculture</i> in WCIA.com</li> <li>2. <i>Trade Insurance</i> in Jayson Lusk, Food and Agricultural Economist, personal blog.</li> </ol>	
RESEARCH ASSISTANTSHIPS	<p><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</p>	
WORK EXPERIENCE	<p><b>Intern</b> Department of Agriculture, U.S., Economic Research Service Market &amp; Trade Economics Division</p>	Summer 2021

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  
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 <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.