

Greg Ferraro

Nelson Hall 4221a
2801 Founders Dr Raleigh, NC 27607, US

Email: gferrar@ncsu.edu
Phone: +1 (914) 417 - 5597
[Personal Website](#)

EDUCATION

Economics PhD Candidate, North Carolina State University, NC	2021 – Present
<ul style="list-style-type: none">Dissertation: <i>Working title: "Essays on Agricultural and Environmental Economics"</i>Committee: Profs. Zachary Brown (Co-Advisor), Rod Rejesus (Co-advisor), Justin Baker, & Junjie Wu	
MA Economics and MA International Political Economy of Development, Fordham University, NY	2018 – 2020
BA Finance and BA Economics, University of Maryland, MD	2010 – 2014

RESEARCH FIELDS

Agricultural and environmental economics. Particular focus on agricultural production in light of environmental changes and pollution health outcomes. Other experiences include ag-bio tech policy and gender-based violence in UN Peacekeeping. Typical methods include experiments and applied econometrics for causal inference, including spatial (GIS) data. Some experience in mixed-methods.

JOB MARKET PAPER

[Effect and Mitigation of Sea Level Rise on US Atlantic Agricultural Land Values](#)

PUBLICATIONS

"Lead Exposure and Antisocial Behavior: A Systematic Review of Human and Animal Evidence. *Environment International*," Schaffer et al (2025) at **Environment International** (Accepted and forthcoming)

"Questions and Consequences of Omics in Genetically Engineered Crop Regulation. *Plant Environ Interactions*," Budnick et al (2025) at **Plant Environ Interactions** DOI: 10.1002/pei3.70033

"Enhancing non-Bt corn refuge based on corn grower and seed dealer surveys," Alsdorf et al (2025) at **Journal of Integrated Pest Management** DOI: <https://doi.org/10.1093/jipm/pmae027>

"Seizing the policy moment in crop biotech regulation: an interdisciplinary response to the Executive Order on biotechnology. *Front Bioengineering and Biotechnology*," Furgurson et al (2023) at **Front Bioengineering and Biotechnology** DOI: <https://doi.org/10.3389/fbioe.2023.1241537>

"Bovine lead exposure from informal battery recycling in India. *Environmental Science and Pollution Research*," Ferraro, Ericson, Simons, Nash, Kabir (2023) at **Front Bioengineering and Biotechnology** DOI: <https://doi.org/10.1007/s11356-023-27811-7>

"Lead exposure and Antisocial Behavior: A Systematic Review Protocol. *Environmental International*," Shaffer et al (2022) at **Front Bioengineering and Biotechnology** DOI: <https://doi.org/10.1016/j.envint.2022.107438>

"Pollution and Health: A Progress Update," Fuller et al (2022) at **The Lancet Planetary Health** DOI: 10.1016/S2542-5196(22)00090-0

"Blood Lead Levels in Low-Income and Middle-Income Countries: A Systematic Review," Ericson et al (2021) at **Lancet Planetary Health** DOI: 10.1016/S2542-5196(20)30278-3

"MINUSTAH is doing positive things just as they do negative things': nuanced perceptions of a UN peacekeeping operation amidst peacekeeper-perpetrated sexual exploitation and abuse in Haiti," King et al (2021) at **Conflict, Security & Development** DOI: <https://doi.org/10.1080/14678802.2021.1997453>

WORKING PAPERS

“Perhaps Still the Lesser Evil? Glyphosate’s Effect on Infant Health”

“Do Norms of Cooperation Mediate the Effectiveness of Social Appeals? A Pilot Study of Pesticide Resistance and Agricultural Drainage Management,” Ferraro et al (2025)

EXTENSION PUBLICATIONS

“Yield and Profit Impacts of Planting Non-Bt Corn Refuge in North Carolina,” Ferraro et al (2025) **NC State Economist**

“Adapting to Saltwater Intrusion: Profitability of Salt-Tolerant Soybeans in Eastern North Carolina,” Ferraro et al (2025)
NC State Economist

TEACHING & LEADERSHIP EXPERIENCE

Independent Instructor, NC State University	2025
* EC 205: Principles of Economics: Summer 2025	
Independent Tutor	2025
* Intro and intermediate economics; Calculus	
Economics Department Student President and Seminar Organizer	2023-Present
* Organized 9+ student seminars on applied economics topics and econometric methods	
Sub-committee chair for Committee for Activities and Social Engagements (CASE)	2024 - 2025
* Organized hurricane fundraiser and grad. student social events	
Sub-committee chair for Legislative Affairs and Student Advocacy Committee	2025 - present
* Projects for student advocacy	

FELLOWSHIPS, AWARDS AND GRANTS

AAEA Anthony Grano Scholarship	2025
AAEA Trust Travel Grant, NC State University	2023, 2024
NSF AgBioFEWs Fellowship	2021-2022

PRESENTATIONS

AERE Annual Meeting (Santa Fe, NM)	2025
AAEA Annual Meeting (Poster) (Washington, DC)	2023, 2024

SELECT EXPERIENCE

Graduate Research Assistant (2021-2026): Supported multiple agricultural and environmental projects on integrated pest management and herbicide use, agricultural field experiments and trials, and agricultural extension publications. Includes designing and executing research, as well as creating public-facing tools for assisting with farmer pest management decisions. Supported execution of peer-review quality behavioral economic experiments across Eastern North Carolina.

Fulbright Public Policy Scholar in Cote d’Ivoire (2021): Worked with NGO INADES in Cote d’Ivoire. Supported survey and data analytics, as well as research collection methods. Took part in several field surveys related to agricultural development and land ownership including hiring and leading a field team for an intensive survey regarding land tenure in the ten years after the civil war.

Intern (2018 - 2019) and Analyst (2020 - 2021) at PureEarth, NY: Supported several research publications and projects via econometric analysis and data management. Produced webapp products for deliverable dissemination. Selected, trained, and managed research team for large meta-analysis on global blood lead levels. Contributed to several systematic reviews on lead pollution health effects. Initiated, designed, and published paper on livestock lead exposure in India. Contributed to publications on global pollution.

Intern Fordham Bedford Housing Company (2018 - 2020): Supporting administrative team in property management and business activities. Involves financial and organization document generation and property/tenant visits. Tenets are of lower-income and under-served communities.

Program Assistant at Siemens Healthineers (2017 - 2018): Supported various projects and programs regarding sales of large medical equipment. Mostly helped in managing marketing metrics and website digital assets.

Field Research Manager at ETS Haiti, Port au Price (2016-2017): Education-NGO. Oversaw 5 employees and managed admin. Taught classes on M&E. Helped support research for visiting researchers/professionals. This included national study of UN base impact on local communities focusing on Peacekeeper-female national relations. Manager and logistician for team of 12 student-researchers for surveying across Haiti. Study collected data from around 2500 participants over the course of several months.

Peace Corps Volunteer in Cameroon (2014 - 2016): Integrated into communities to identify needs (50 page report with personally collected survey data) and develop projects (mushroom cultures, beekeeping, small income activities, teaching classes, chicken farming, special crop production, health lectures, etc) with community members (ag groups, traditional groups, AIDS/HIV groups, orphanage, handicap groups, large/small business, etc).

SELECT SKILLS

Programming: R, STATA, with additional experience in Python, MATLAB, SAS. Extensive experience with econometrics for program evaluation and environmental modeling and analysis. Experience building decision support tools in RShiny and Excel

Experience with collaborative data project management

Extensive experience with property and real estate data for environmental hedonic analysis

Extensive experience with environmental, including EPA and NOAA climate, chemical, and pollution data

Extensive experience with individual health data for environmental health and epidemiological assessment

Policy and grey-literature publication experience, peer-review articles, technical reporting, and agricultural extension article experience

Some experience with qualitative methods based on participant-provided narratives

Research project managing experience, particularly for field data collection, experiments, and systematic reviews

Extensive experience using typical Microsoft Office Suite (Excel, Word, PowerPoint, etc)

Language: English (Native), French (intermediate speaker)

REFERENCES & COMMITTEE INFORMATION

Prof. Zachary Brown (Co-Advisor)

Associate Professor

Dept. of Agricultural & Resource Econ.
& Genetic Engineer. & Society Dept.

NC State University, Raleigh, NC

zsbrown2@ncsu.edu

Prof. Rod Rejesus (Co-Advisor)

Department Extension Leader, Professor and Extension Specialist

Dept. of Agricultural & Resource Econ

NC State University, Raleigh, NC

rmrejesu@ncsu.edu

Prof. Junjie Wu

Professor and Department Head

Dept. of Agricultural & Resource Econ

NC State University, Raleigh, NC

jwu32@ncsu.edu

Other committee members

Prof. Dominic Reisig

Professor and Extension Specialist

Dept. of Entomology and Plant Pathology

NC State University, Raleigh, NC

ddreisig@ncsu.edu

Prof. Justin Baker

Associate Professor

Dept. of Forestry and Enviro. Resources

NC State University, Raleigh, NC

jsbaker4@ncsu.edu