

R. Aaron Hrozencik

ASSISTANT PROFESSOR · UNIVERSITY OF GEORGIA

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Education

Colorado State University

PHD AGRICULTURAL AND RESOURCE ECONOMICS

Fort Collins, CO

2013-2019

University of North Carolina

BA ECONOMICS AND PHILOSOPHY

Chapel Hill, NC

2006 - 2010

Professional Experience

- 2025- **Assistant Professor, Department of Agricultural & Applied Economics**, University of Georgia
- 2019-2025 **Research Agricultural Economist**, USDA-Economic Research Service
- 2017-2018 **Visiting Researcher**, International Center for Agricultural Research in Dry Areas, Rabat, Morocco
- 2010-2012 **Fulbright English Teaching Assistant Grantee**, Faculté des Sciences et Techniques d'Errachidia, Morocco

Publications

PUBLISHED AND FORTHCOMING

- Quesada-Perez, G. and **R.A. Hrozencik**. 2025. The human health costs of water management: Land fallowing and Valley Fever in the southwestern U.S. *Journal of Agricultural and Resource Economics*, Forthcoming.
- Hrozencik, R.A.**, G. Quesada-Perez. 2025. Federal drought assistance and adaptation decisions in the U.S. livestock sector. *Agricultural Economics*, In-Press.
- Hrozencik, R.A.**, G. Quesada-Perez, H. Donahue. 2025. The development and current challenges of irrigated agriculture in the western U.S. *Agricultural Water Management*, 315:109474.
- Sloggy, M., **R.A. Hrozencik**, D. Manning, C. Goemans, R. Claassen. 2025. Insurance and extraction incentives in a common pool resource: Evidence from groundwater use in the high plains. *Journal of Environmental Economics and Management*, 130, 103125.
- Ward, F., N. Potter, **R.A. Hrozencik**. 2025. Managing agricultural water use in the Western United States: A search for efficient climate adaptation institutions. *Agricultural Water Management*, 308 (2025), 109279.
- Hrozencik, R.A.**, J. Suter, P. Ferraro, N. Hendricks. 2023. Social comparisons and groundwater use: Evidence from Colorado and Kansas. *American Journal of Agricultural Economics*, 106 (2), 946-966.
- Hrozencik, R.A.**, D. Manning, J. Suter, C. Goemans. 2022. Impacts of block-rate energy pricing on groundwater demand in irrigated agriculture. *American Journal of Agricultural Economics*, 101(4), 404-427.
- Mieno, T., M. Rouhi-Rad, J. Suter, **R.A. Hrozencik**. 2021. The importance of well yield in groundwater demand specification. *Land Economics*, 97(4), 672-687.
- Haacker, E., V. Sharda, A. Cano, **R.A. Hrozencik**, et al.. 2019. Transition pathways to sustainable agricultural water management: a review of integrated modeling approaches. *Journal of the American Water Resources Association*, 1-18.
- Lauer, S., M. Sanderson, D. Manning, J. Suter, **R.A. Hrozencik**, B. Guerrero, K. Schoengold, B. Golden. 2018. Values and groundwater management in the Ogallala Aquifer region. *Journal of Soil and Water Conservation*, 73 (5), 593-600.
- Hrozencik, R.A.**, D. Manning, J. Suter, C. Goemans, R. Bailey. 2017. The heterogeneous impacts of groundwater management policies in the Republican River Basin of Colorado *Water Resources Research*, 53(12), 10757-10778.

IN REVIEW

Li, L., **R.A. Hrozencik**, M. Rouhi-Rad, D. Uz. 2025. The impacts of depopulation and climate change on the cost of rural electricity services. R and R at *Journal of Environmental Economics and Management*.

IN PREPARATION

Hrozencik, R.A., D. Uz, L. Li, M. Rouhi-Rad. 2025. Wired for water: Climate change and electricity use for irrigation.

Melkani, A., T. Mieno, **R.A. Hrozencik**, R. Rimsaite, N. Brozovic, S. Kakimoto. Economic impact of groundwater regulation in Nebraska: A hedonic price analysis.

Hrozencik, R.A., F. Burlig, L. Preonas, M. Woerman. Short-run weather shocks and groundwater pumping behavior

Karwowski, N., **R.A. Hrozencik**, A. Rosenberg, M. Skidmore. 2025. Water quality and the Conservation Reserve Program: Empirical Evidence from the Mississippi River Basin.

BOOK CHAPTERS, ERS REPORTS, AND OTHER WRITING

Hrozencik, R.A., N. Potter, S. Wallander. 2025. Irrigation organizations: Water measurement and pricing. *ERS Economic Brief-40*, February 2025.

Hrozencik, R.A., N. Potter, S. Wallander. 2024. The cost effectiveness of irrigation canal lining and piping in the western United States. *American Agriculture, Water Resources, and Climate Change*. Book Chapter. University of Chicago Press, Chicago, USA.

Hrozencik, R.A., G. Quesada-Perez, K. Bocinsky. 2024. The stocking impact and financial-climate risk of the Livestock Forage Disaster Program. *ERS Economic Research Report-329*, January 2024.

Hrozencik, R.A., G. Gardner, N. Potter, S. Wallander. 2023. Irrigation organizations: Groundwater management. *ERS Economic Brief-34*, April 2023.

Wallander, S., **R.A. Hrozencik**, M. Aillery. 2022. Irrigation organizations: Drought planning and response. *ERS Economic Brief-33*, January 2022.

Hrozencik, R.A., M. Aillery. 2021. Trends in U.S. irrigated agriculture: Increasing resilience under water supply scarcity. *ERS Economic Information Bulletin-229*, December 2021.

Hrozencik, R.A., S. Wallander, M. Aillery. 2021. Irrigation organizations: Water storage and delivery infrastructure. *ERS Economic Brief-32*, October 2021.

Grants

2024	The economics of climate, groundwater, and agriculture: Empirical evidence from U.S. cropland (Co-PI) , USDA-NIFA	\$ 650,000
2022	Assessing Water Scarcity Adaptation Among Irrigation Organizations and Agricultural Producers (Co-PI) , USDA-NIFA	\$ 750,000
2021	Targeted conservation: A coupled hydro-economic modeling approach to maximizing water (Co-PI) , USDA-NIFA	\$ 750,000
2021	Facilitating water adaptation in the arid west (ERS PI) , USDA-ERS	\$ 250,000
2021	Climate adaptation in irrigated agriculture: Impact of short-run weather shocks and groundwater scarcity on water and land use decisions (ERS PI) , USDA-ERS	\$ 150,000

Presentations

INVITED TALKS

2025. Center for Behavioral Agri-Environmental Research (CBEAR) Seminar Series, Virtual.
University of Georgia, Department of Agricultural & Applied Economics, Athens, GA.
USDA-ERS, Brown Bag Seminar Series, Virtual (invited).
Texas A&M University, Department of Agricultural Economics, College Station, TX (invited).

2024. NC-State, Agricultural and Resource Economics Department Seminar, Raleigh, NC.

2023. University of Wyoming, Agricultural Economics Department Seminar, Laramie, WY.
 Seminar in Water Economics onLLine (SWELL), Virtual.
 University of Arizona, Agricultural and Resource Economics Department Seminar, Tucson, AZ.
 University of Tennessee, Baker School of Public Policy Seminar, Knoxville, TN.

2022. Appalachian State University, Economics Department Seminar, Boone, NC.

2021. Notre Dame, Environmental Change Initiative, Virtual.

2020. USDA-ERS Brown Bag Seminar Series, Virtual.

2019. Georgetown University, School of Foreign Service Seminar, Washington, D.C.
 USDA-ERS, Washington DC.

Teaching Experience

Summer 2021	Water Economics , Instructor	<i>Student Diplomacy Corp - Experimental College Colorado State University</i>
Spring 2017	Introductory Microeconomics , Instructor	

Mentoring

2022-2024 **Annaliese Winton**, PhD. Committee Member, Clemson University

2024- **Rachel Judd**, PhD. Committee Member, Texas A & M University

2024- **Nawon Kang**, PhD. Committee Member, Texas A & M University

2025- **Wei Yang**, PhD. Committee Member, Texas A & M University

Outreach & Professional Development

PEER REVIEW

American Journal of Agricultural Economics
Applied Economic Letters
Water Economics and Policy
Agricultural Water Management
Journal of Soil and Water Conservation
Agricultural and Resource Economics Review