

CONTACT INFORMATION	Agricultural Economics University of Nebraska-Lincoln Filley Hall 209 Lincoln, NE 68516	402-472-4134 tmieno2@unl.edu taromieno.netlify.com
PROFESSIONAL EXPERIENCE	Assistant Professor, University of Nebraska-Lincoln (2015–present) Postdoctoral Fellow, Luc Hoffmann Institute (2014–2015) Postdoctoral Research Associate, University of Minnesota (2014–2015)	
RESEARCH FIELDS	Primary Environmental and natural resource economics Applied econometrics Precision agriculture economics	Secondary Agricultural economics Production economics
EDUCATION	Ph.D., Agricultural and Applied Economics , University of Illinois at Urbana-Champaign (2014) M.S., Agricultural Economics , University of Illinois at Urbana-Champaign (2009) B.S., Forestry , Hokkaido University (2007)	
JOURNAL ARTICLES (PEER-REVIEWED)	<p>Riley, D., Mieno, T., Schoengold, K., & Brozović, N. 2019 “The Impact of Land Cover on Groundwater Recharge in the High Plains: An application to the Conservation Reserve Program” <i>Science of the Total Environment</i>, <i>accepted</i>.</p> <p>Kubo, T., Mieno, T., & Kuriyama, K. 2019 “Wildlife Viewing: The Impact of Money-back Guarantees” <i>Tourism Management</i>, 70:49-55.</p> <p>Mieno, T., Walters, C., & Fulginiti, L. 2018 “Input Use under Crop Insurance: the Role of Actual Production History” <i>American Journal of Agricultural Economics</i>, 100(51):1469-1485.</p> <p>Ellison, B., Brooks, K., & Mieno, T. 2017 “Which Livestock Production Claims Matter Most to Consumers?” <i>Agriculture and Human Values</i>, 34(4), 819-831.</p> <p>Mieno, T. & Brozović, N. 2017 “Price Elasticity of Groundwater Demand: Attenuation and Amplification Bias due to Incomplete Information” <i>American Journal of Agricultural Economics</i>, 99(2), 401-426.</p> <p>Mieno, T., Shoji, Y., Aikoh, T., Arnberger, A., & Eder, R. 2016. “Heterogeneous preferences for social trail use in the urban forest: A latent class model.” <i>Urban Forestry & Urban Greening</i>, 19(1), 20-28.</p> <p>Mieno, T., & Braden, J. 2011. “Residential demand for water in the Chicago metropolitan area.” <i>Journal of the American Water Resources Association</i>, 47(4), 713-723.</p> <p>Shoji, Y., Kuriyama, K., Mieno, T., & Mitani, Y. 2008. “Providing quality recreation experiences in Japan.” <i>Economics Bulletin</i>, 17(7), 1-11.</p> <p>Arnberger, A., Aikoh, T., Eder, R., Shoji, Y., & Mieno, T. 2010. “How many people should be in the urban forest? A comparison of trail preferences of Vienna and Sapporo forest visitor segments.” <i>Urban Forestry & Urban Greening</i>, 9(3), 215-225.</p>	
WORKING PAPERS	Bullock, D., Mieno, T. , & Hwang, J. “The Value of Conducting On-farm Field Trials Using Precision Agriculture Technology: A Theory and Simulations.” <i>revise and resubmit in Precision</i>	

Agriculture.

May, A., **Mieno, T.**, Christopher, G., & McGarvey, Mary. "Gender and Environmental Policy: Is there a Convergence in the Views of Economists on Environmental Issues and Policy." *revise and resubmit in **Review of Environmental Economics and Policy.***

Rouhi Rad, A., Brozović, N., Foster, T., & **Mieno, T.**. "Effects of Instantaneous Groundwater Availability on Irrigated Agriculture and Implications for Aquifer Management." *revise and resubmit in **Resource and Energy Economics.***

Mieno, T., Suchato, P., Schoengold, K., & Foster, T. "The impact of crop insurance on irrigation water use" *in submission*

Rouhi Rad, M., Brozović, N., & **Mieno, T.** "The Role of Trading Ratios and Search Frictions in Tradeable Permit Markets" *in submission*

Mieno, T., Rouhi Rad, M., Suter, J., & Hrozensick, A. "The Cost of Exclusively Focusing on Costs - Misspecification Errors in Estimating Groundwater Demand Elasticity."

Gon, A., **Mieno, T.**, Bullock, D. "Optimal Design of On-farm Randomized Trials Under Yield Monitor Inaccuracy"

Mieno, T., Foster, T., & Brozovic, N. "The impact of energy supply interruption on irrigation behavior"

Mieno, T., Tanaka, K., & Shah, P. "Optimal timing of irreversible land use conversion under uncertainty: an experimental approach."

WORK IN PROGRESS

Mieno, T., Schoengold, K., & Keeler, J. "Estimating the Impact of Groundwater Allocations on Irrigation Behavior and Energy Use: Implications for groundwater policy design"

Gao, Z. **Mieno, T.**, & Schoengold, K. "Efficient Water Use Reduction Subsidy Program Design"

Gardner, G., **Mieno, T.**, & Bullock, D. "Evaluation of Nitrogen and Seed Rates Recommendation Maps by Crop Consultants"

Keeler, J. & **Mieno, T.** "Climate Change Adaptation in Irrigation"

Mieno, T. & Foster, T. "Economic and Hydrologic Trade-offs under Various Water Use Quota Designs"

TEACHING
EXPERIENCE**University of Nebraska Lincoln (MS)**

- Primary Instructor: Applied Econometrics (Fall 2016, 2017, 2018)

University of Nebraska Lincoln (undergraduate)

- Primary Instructor: Natural Resource and Environmental Economics (Spring 2016, 2017, 2018)

University of Illinois at Urbana-Champaign (Ph.D)

- Secondary Instructor: Economic Statistics (Fall 2011, Fall 2012, Fall 2013)
- Secondary Instructor: Econometric Analysis (Spring 2012, Spring 2013, Spring 2014)

University of Illinois at Urbana-Champaign (undergraduate)

- Teaching Assistant: Spreadsheet Models & Applications (Spring 2013)
- Teaching Assistant: Contemporary Issues in ACES (Fall 2013)
- Teaching Assistant: Environment and Development (Spring 2014)

PRESENTATIONS

Economics of Managed Aquifer Recharge, June 2019

- "The Impact of Land Cover on Groundwater Recharge in the High Plains: An application to the Conservation Reserve Program."

MOISST workshop, June 2018

- "Economics of Soil Moisture Sensor."

American Society of Agronomy, the Crop Science Society of America, and the Canadian Society of Agronomy: International Annual Meeting, November 2018

- "Economic Analysis, Risk Assessments, and Decision Systems: Overview and Examples."

Association of Environmental and Resource Economists (AERE) Summer Meeting, June 2017

- "The impacts of water allocation limits on irrigation behavior."

Association of Environmental and Resource Economists (AERE) Summer Meeting, June 2015

- "A test of proximity as a proxy for environmental exposure in hedonic models."

Midwest Economic Association (MEA) Annual Meeting, March 2015

- "Optimal timing of irreversible land use conversion under uncertainty: an experimental approach."

Fifth World Congress of Environmental and Resource Economists (WCERE), June 2014

- "Energy supply interruption, climate change, and water conservation."

Allied Social Science Associations (ASSA) Annual Meeting, January 2014

- "Energy load control, groundwater conservation, and climate change."

Heartland Environmental and Resource Economics (HERE) Workshop, November 2013

- "Energy load control, groundwater conservation, and climate change."

Association of Environmental and Resource Economists (AERE) Summer Meeting, June 2012

- "Unraveling deterrence effects of regulatory activities under the Clean Water Act."

Southern Economic Association (SEA) Annual Meeting, November 2012

- "Unraveling deterrence effects of regulatory activities under the Clean Water Act."

Agricultural and Applied Economics Association (AAEA) Annual Meeting, August 2012

- "Unraveling deterrence effects of regulatory activities under the Clean Water Act."

Heartland Environmental and Resource Economics (HERE) Workshop, October 2010

- "Unraveling deterrence effects of regulatory activities under the Clean Water Act."

European Association of Environmental and Resource Economists (EAERE) Annual Meeting, June 2013

- "Comprehensive examination of choice set issues in the Kuhn-Tucker model of recreation demand."

Universities Council on Water Resources and National Institutes for Water Resources (UCOWR/NIWR) Annual Conference, July 2009

- "Residential water demand analysis in the Chicago metropolitan area."

INVITED TALKS

American Society of Agronomy, the Crop Science Society of America, and the Cana-

dian Society of Agronomy: International Annual Meeting, Nov 2018

- “Economic Analysis, Risk Assessments, and Decision Systems: Overview and Examples.”

MOISST Workshop, June 2018

- “Economics of Soil Moisture Sensor.”

Kansas State University, Kansas, USA, October 2017

- “Do agricultural producers really change their irrigation behavior based on neighbors’ pumping?”

Kyusyu University, Japan, August 2017

- “The impacts of water allocation limits on irrigation behavior”

W3190 Annual 2016 Meeting, Nebraska, USA, September 2016

- “Price elasticity of groundwater demand: attenuation and amplification bias due to incomplete information.”

Kyusyu University, Japan, June 2015

- “Contemporary issues in water management.”

GRANTS

Nebraska Corn Board, “SENSE Nitrogen Management: Promoting Adoption of Sensor-Based Nitrogen Fertilization of Corn through the Nebraska On-Farm Research Network” (Investigator), 2018–2019, \$124,300

U.S. Department of Agriculture – Economic Research Service (ERS), “Groundwater Availability” (Co-Principal Investigator), 2015–2017, \$130,000

U.S. Department of Agriculture – Agriculture and Food Research Initiative (AFRI), “Using Precision Technology in On-Farm Field Trials to Enable Data-Intensive Fertilizer Management” (Investigator), 2016–2019, \$513,798

AWARDS AND FELLOWSHIPS

American Journal of Agricultural Economics: Outstanding Reviewer Award (2019)

Department of ACE Outstanding Dissertation Award for 2014, University of Illinois at Urbana-Champaign (Spring 2015)

Outstanding Graduate Student, University of Illinois at Urbana-Champaign (Spring 2014)

List of Teachers Ranked as Excellent by Their Students, University of Illinois at Urbana-Champaign (Fall 2012, Spring 2013, Fall 2013 × 2, Spring 2014 × 2)

Graduate Student Travel Grant, AAEA Foundation (Spring 2012)

Graduate College Conference Travel Award, University of Illinois at Urbana-Champaign (Spring 2013)

Dorothy Faye Dunn and Leah Dunn Linse Fellowship, University of Illinois at Urbana-Champaign (Fall 2009, Spring 2010)

REFEREE SERVICES

2019

- American Journal of Agricultural Economics (1)
- American Economic Journal: Economic Policy (1)

2018

- American Journal of Agricultural Economics (5)
- Precision Agriculture (1)
- Resources and Energy Economics (1)

2017

- American Journal of Agricultural Economics (4)
- Journal of Environmental Economics and Management (2)
- Water Economics and Policy (1)

- Water Resources Research (1)

2016

- American Journal of Agricultural Economics (3)
- Agricultural Economics (1)
- Journal of Environmental Economics and Management (1)
- Land Economics (1)
- Water (1)
- Water Resources Research (1)

2015

- Journal of Environmental Economics and Management (1)
- Water (1)