

## Nathan D. DeLay

Department of Agricultural and Resource Economics  
Colorado State University  
202, Nutrien Agricultural Sciences Building  
Fort Collins, CO 80523

Updated: Oct. 10, 2023  
Citizenship: United States of America  
nathan.delay@colostate.edu

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**Appointments**      **Assistant Professor**, 2022-current, Colorado State University.

**Lecturer**, 2022-current, Purdue University.

**Assistant Professor**, 2018-2022, Purdue University.

### Education

**Ph.D.**, Economics, May 2018, Washington State University.

Fields: Agricultural Economics, Environmental and Natural Resource Economics.

Dissertation: "Agricultural Risk Management Policy and Producer Decision Making."

Advisors: Dr. Hayley H. Chouinard, Dr. Thomas L. Marsh

**M.A.**, Economics, December 2013, University of Colorado Denver.

Master's Research Project: "The Effect of Crop Insurance Subsidies on Agricultural Productivity."

Advisor: Dr. Brian Duncan

**B.S.**, Business Administration and Economics, May 2009, Rocky Mountain College.

Magna cum laude

### Research Interests

Production Agriculture, Agricultural Policy, Applied Econometrics

### Academic Publications

\* graduate student

**DeLay, Nathan D.**, James M. Mintert, Nathanael M. Thompson, Jayson L. Lusk, and Todd H. Kuethe. "The Value of Farm Data in Farmland Rental Markets: Management vs. Signaling Value." revise and resubmit at *Land Economics*.

Comstock, Haden\* and **Nathan D. DeLay**. 2023. "Estimating U.S. Farmers Speed of Climate Change Adaptation: The Case of Subsurface Tile Drainage." *Agricultural Finance Review* 1-25.

<https://doi.org/10.1108/AFR-02-2023-0027>

**DeLay, Nathan D.**, Michael D. Boehlje, and Shannon Ferrell. 2023. "The Economics of Property Rights in Digital Farming Data: Implications for Farmland Markets." *Applied Economic Perspectives and Policy* 1-21.

<https://doi.org/10.1002/aapp.13340>

**DeLay, Nathan D.**, Brady E. Brewer, Allen M. Featherstone, and David Boussios. 2022. "The Impact of Crop Insurance on Farm Financial Outcomes." *Applied Economic Perspectives and Policy* 1-23.

<https://doi.org/10.1002/aapp.13223>

Chaterji, Somali, **Nathan D. DeLay**, John Evans, Nathan Mosier, Bernard Engel, Dennis Buckmaster, Michael Ladisch, and Ranveer Chandra. 2021. "LATTICE: Machine Learning, Data Engineering, and Policy Considerations for Digital Agriculture at Scale." *IEEE Open Journal of the Computer Society* 2: 227-240.

<https://doi.org/10.1109/OJCS.2021.3085846>

**DeLay, Nathan D.**, Nathanael M. Thompson, and James R. Mintert. 2021. "Precision Agriculture Adoption and Technical Efficiency." *Journal of Agricultural Eco-*

*nomics* 73(1): 195-219.  
<https://doi.org/10.1111/1477-9552.12440>

Thompson, Nathanael M., **Nathan D. DeLay**, and James R. Mintert. 2021. "Understanding the Farm Data Lifecycle: Collection, Use, and Impact of Farm Data on U.S. Commercial Corn and Soybean Farms." *Precision Agriculture* 22(6): 1685-1710.  
<https://doi.org/10.1007/s11119-021-09807-w>

**DeLay, Nathan D.**, Hayley H. Chouinard, Cory G. Walters, and Philip R. Wandschneider. 2020. "The Influence of Crop Insurance Agents on Coverage Choices: The Role of Agent Competition." *Agricultural Economics* 51(4): 623-638.  
<https://doi.org/10.1111/agec.12576>

**DeLay, Nathan D.**, S. M. Thumbi, Julia Vanderford, Elkanah Otiang, Linus Ochieng, M. Kariuki Njenga, Guy H. Palmer, and Thomas L. Marsh. 2020. "Linking Calving Intervals to Milk Production and Household Nutrition in Kenya." *Food Security* 12: 309-325.  
<https://doi.org/10.1007/s12571-019-01006-w>

**DeLay, Nathan D.** 2019. "The Impact of Federal Crop Insurance on the Conservation Reserve Program." *Agricultural and Resource Economics Review* 48(2): 297-327.  
<https://doi.org/10.1017/age.2019.9>

**DeLay, Nathan D.**, Hayley H. Chouinard, and Philip R. Wandschneider. 2019. "Categorizing Agritourism Operations and Identifying Barriers to Success." *Journal of Agribusiness* 37(1): 1-22.

#### Work in Progress

**DeLay, Nathan D.** and Cory G. Walters. "Agent Location in the Federal Crop Insurance Program: A Spatial Analysis." (Target journal: *Agricultural Economics*).

**DeLay, Nathan D.**, Daniel F. Mooney, and John Ritten. "Climate Adaptation and Concentration in the U.S. Livestock Sector." (Target journal: *American Journal of Agricultural Economics*).

Hoag, Dana, L., **Nathan D. DeLay**, Daniel F. Mooney, John P. Ritten, Anthony Vorster, and Ryan Reuter. "Understanding the Economic Fundamentals of Virtual Fencing." (Target journal: *Applied Economic Perspectives and Policy*).

**DeLay, Nathan D.**, Sophie McKee, and Daniel Mooney. "Feral Hogs and Farm Profits: Addressing Collective Action Problems Among Livestock Producers." (Target journal: TBA).

Mooney, Daniel F., **Nathan D. DeLay**, and Seonhyun Kim. "Not So Flat Payoff Functions? Production Risk and Economically-Optimal Irrigation Decisions." (Target journal: TBA).

#### Extension Publications

Mintert, James R., **Nathan D. DeLay**, and Michael R. Langemeier. 2022. "Perspectives On Digital Farm Data Ownership." *Proceedings of the 23rd IFMA Congress*.

Thompson, Nathanael M., Megan N. Hughes\*, Eugene K.M. Nuworsu\*, Carson J. Reeling, Shalamar D. Armstrong, James R. Mintert, Michael R. Langemeier, **Nathan D. DeLay**, and Kenneth. A. Foster. 2022. "Opportunities and Challenges Associated with "Carbon Farming" for U.S. Row-Crop Producers." *Choices* Quarter 3.

Comstock, Haden and **Nathan D. DeLay**. 2022. "The Effects of Government Farm Support Programs on the Adoption of Farm Technology and Sustainable Production Practices." *Purdue Agricultural Economics Report PAER-2022-16*.

**DeLay, Nathan D.**, James R. Mintert, and Nathanael M. Thompson. 2021. "Farm Data Collection and Software Adoption in Commercial Scale U.S. Corn-Soybean Farms." *Western Economic Forum* 19(2): 12-19.

**DeLay, Nathan D.** and Haden Comstock\*. 2021. "Recent Trends in PA Technology Adoption and Bundling in Corn Production: Implications for Farm Consolidation." *Western Economic Forum* 19(2): 44-57.

**Press  
Publications**

DeLay, Nathan D., John P. Ritten, and Daniel Mooney. "Climate Adaptation and Concentration in the U.S. Livestock Sector." CSU AgNext 2023 Research Report. <https://agnext.colostate.edu/research-report/>

Ritten, John P. and Nathan D. DeLay. "Overview of Carbon Markets." CSU AgNext Blog, March 15, 2023  
<https://agnext.colostate.edu/2023/03/15/overview-of-carbon-markets/>

Ritten, John P. and Nathan D. DeLay. "Challenges and Outlook of Carbon Markets in Animal Agriculture." CSU AgNext Blog, March 15, 2023  
<https://agnext.colostate.edu/2023/03/15/challenges-and-outlook-of-carbon-markets-in-animal-agriculture/>

Thompson, Nathanael M., Megan N. Hughes, Eugene K.M. Nuworsu, Carson J. Reeling, Shalamar D. Armstrong, James R. Mintert, Michael R. Langemeier, Nathan D. DeLay, and Kenneth. A. Foster. "Opportunities And Challenges Associated With Carbon Farming For U.S. Row-Crop Producers." Purdue Center for Commercial Agriculture Report, June 2021.  
<https://ag.purdue.edu/commercialag/home/resource/2021/06/opportunities-and-challenges-associated-with-carbon-farming-for-u-s-row-crop-producers/>

DeLay, Nathan D. "Using Technology to Address Farm Labor Shortages - Effective or Not?" Purdue Center for Food and Agricultural Business Quarterly Review Series, March 24, 2021.  
<https://agribusiness.purdue.edu/using-technology-to-address-farm-labor-shortages/>

DeLay, Nathan D. Purdue Center for Food and Agricultural Business What We're Reading book review, May 2020.

DeLay, Nathan D. "Farm data collection and farmer use analyzed." The Western Producer, April 16, 2020.  
<https://www.producer.com/crops/farm-data-collection-and-farmer-use-analyzed/>

DeLay, Nathan D., Hayley H. Chouinard, Cory G. Walters, and Philip R. Wandschneider. "Examining the Role of the Crop Insurance Selling Agent." University of Nebraska Cornhusker Economics, April 2020.  
<https://agecon.unl.edu/cornhusker-economics/2020/examining-role-crop-insurance-selling-agent>

DeLay, Nathan D., Nathanael M. Thompson, and James R. Mintert. "Farm Data Usage in Commercial Agriculture." Purdue Center for Commercial Agriculture Report, Jan 2020.  
<https://ag.purdue.edu/commercialag/home/resource/2020/01/farm-data-usage-in-commercial-agriculture/>

DeLay, Nathan D. "What Data is Being Collected on the Farm and Who Can You Trust With It?" Interview with Hoosier Ag Today, Nov 12, 2019  
<https://www.hoosieragtoday.com/data-collected-farm-can-trust/>

DeLay, Nathan D. "Understanding Farm Data Usage." Purdue Center for Food and

Agricultural Business blog post, Oct 4, 2019.  
<https://agribusiness.purdue.edu/understanding-farm-data-usage/>

Castro, Luciano and Nathan D. DeLay. 2019. "Solinftec: Creating a Foothold in the North American Digital Farming Market." Purdue Center for Food and Agricultural Business case study.

DeLay, Nathan D. "Purdue survey looks at farmer use of ag data software." *Indiana Prairie Farmer*, May 30, 2019.  
<https://www.farmprogress.com/management/purdue-survey-looks-farmer-use-ag-data-software>

DeLay, Nathan D. "The Blockchain: A New Form of Trust." Purdue Center for Food and Agricultural Business Quarterly Review Series, March 15, 2019.  
<https://agribusiness.purdue.edu/the-blockchain-a-new-form-of-trust/>

DeLay, Nathan D. "Purdue/CME Barometer Drone Response Analysis." Purdue Center for Commercial Agriculture Annual Report, Dec 2018.  
<https://ag.purdue.edu/commercialag/home/wp-content/uploads/2019/11/2018-CCA-Annual-Report-website-PDF.pdf>

## Grants

USDA NIFA AFRI Sustainable Agricultural Systems  
"Virtual Fence+: An Integrated Solution to Harness Livestock for Enhancing Grazing Land Productivity and Sustainability"  
Role: Co-PI  
Funding amount: \$10,000,000  
Duration: 2024-2028  
Submitted: July 14, 2023  
Status: Pending

USDA NIFA AFRI Sustainable Agricultural Systems  
"Accelerating Enteric Methane Reduction from US Beef Cattle via Genetics, Dietary Interventions, and Outreach and Engagement Strategies"  
Role: Co-PI  
Funding amount: \$5,000,000  
Duration: 2024-2028  
Submitted: July 14, 2023  
Status: Pending

DairyMax/AgNext Sponsored Research  
"Ruminant Farm Systems (RuFaS) Dairy Model: Economics and Policy Research to Improve Producer Decision Making"  
Role: Co-PI  
Funding amount: \$324,964  
Duration: 2023-2025  
Submitted: April 1, 2023  
Status: Approved August 25, 2023

USDA APHIS NWRC Cooperative Agreement  
"Economics Analysis of Feral Swine Impacts to Agriculture and Natural Resources"  
Role: Co-PI  
Funding amount: \$200,163  
Duration: 2023-2024  
Submitted: July 1, 2023  
Status: Approved Aug 15, 2023

USDA NRCS Conservation Innovation Grant Classic

“Innovative Technologies to Reduce Beef Industry GHG Emissions.”

Role: PI

Funding amount: \$2,067,293 (\$1,032,839 Federal)

Duration: 2022-2025

Submitted: Oct 2022

Status: Approved April 1, 2023

CSU CAS Solutions to Colorado Commodity Challenge (SCCC)

“Assessing Climate Adaptation, Resiliency, and Impact in the U.S. Fed Cattle Industry”

Role: Co-PI

Funding amount: \$30,000

Duration: 2023-2024

Submitted: Dec 2022

Status: Approved Jan 15, 2023

Purdue AgSEED - Agricultural Research and Extension Leading to Economic Development in Indiana Agriculture and Rural Communities

“Producer Farm Data Valuation, Capitalization, and Sharing.”

Role: Principal Investigator

Funding amount: \$50,000

Duration: 2021-2022

Submitted: Oct. 2020

Status: Approved Jan 9, 2021

USDA NIFA Food and Agriculture Cyberinformatics and Tools Initiative (FACT)

“An Innovative Cyber-Framework Integrating Public/Private Data for Evidence-Based Recommendations.”

Role: Co-PI

Funding amount: \$1,000,000

Duration: 2019-2024

Submitted: Oct. 2018

Status: Approved May 9, 2019

Purdue/CME Group Farm Economy Barometer

Role: Co-PI, survey formulation and research design

Funding amount: \$284,059

Duration: 01/2022-12/31/2022

Status: Approved

**Research  
Experience**

Graduate Research Assistant, Fall 2017.

School of Economic Sciences, Washington State University.

Dr. Thomas L. Marsh

Graduate Research Assistant, Fall 2016, Fall 2015, Summer 2015.

School of Economic Sciences, Washington State University.

Dr. Hayley H. Chouinard

**Teaching  
Experience**

Instructor, AREC 408 Agricultural Finance, Spring 2023 (Enrollment: 17).

Department of Agricultural and Resource Economics, Colorado State University.

Co-Instructor, AGR 333 Data Science for Agriculture, Spring 2023 (Enrollment: 24),  
Spring 2022 (Enrollment: 18), Spring 2021 (Enrollment: 14), Fall 2020 (Enrollment:  
7).

College of Agriculture, Purdue University.

Instructor, AGECE 684 Applied Quantitative Methods, Fall 2023 (Enrollment: 18), Fall

2022 (Enrollment: 14), Fall 2021 (Enrollment: 42), Fall 2020 (Enrollment: 32), Fall 2019 (Enrollment: 18).

Department of Agricultural Economics MS/MBA Program, Purdue University.

Instructor, AGECE 203 Introductory Microeconomics for Food & Agribusiness, Fall 2021 (Enrollment: 103), Fall 2020 Online (Enrollment: 155), Fall 2019 (Enrollment: 165).

Department of Agricultural Economics, Purdue University.

Guest lecture, AGECE 375 The Process of Economic Research, Spring 2021 (Enrollment: 13).

Department of Agricultural Economics, Purdue University.

Instructor, AGECE 202 Spreadsheet Use in Agricultural Business, Spring 2019 (Enrollment: 92).

Department of Agricultural Economics, Purdue University.

Instructor, EconS 321 Sport Economics Online, Summer 2018 (Enrollment: 18).

School of Economic Sciences, Washington State University.

Masters Level Online Econometrics course design with Thomas L. Marsh, Fall 2017.

School of Economic Sciences, Washington State University.

Instructor, EconS 404 Economics for Managers Online, Summer 2017 (Enrollment: 34).

School of Economic Sciences, Washington State University.

Instructor, EconS 352 Business Management Economics, Spring 2017 (Enrollment: 45), Spring 2016 (Enrollment: 62).

School of Economic Sciences, Washington State University.

Teaching Assistant, EconS 101 Fundamentals of Microeconomics & EconS 102 Fundamentals of Macroeconomics, Fall 2014, Spring 2015.

School of Economic Sciences, Washington State University.

## **Student Advisement**

**Committee Member.** Tais de Menezes (Ph.D.). Anticipated graduation: Spring 2025.

**Committee Member.** Caleb Hurst (M.S. AnSci). Anticipated graduation: Spring 2024.

**Advisor.** Haden Comstock (M.S.). Graduated: Spring 2022. AAEE Outstanding Thesis 2023.

**Co-Advisor.** Douglas Abney (M.S.). Graduated: Spring 2022.

**Committee Member.** Ahmad Wahdat (Ph.D.). Graduated: Spring 2021.

**Faculty Advisor,** Purdue Data Mine undergraduate and graduate team, 2020-2022.

**Team Advisor,** Purdue Academic Quiz Bowl Team, 2020-2022.

## **Presentations**

DeLay, Nathan D. "Capitalizing Farm Data."

2023 Soil-based Climate Solutions: Systems-level Transformations to Enable Soil-based Climate Solutions at Scale. Denver, CO.

DeLay, Nathan D. "Research and Outreach in Collaboration with Extension."

2023 CSU Office of Engagement and Extension Fall Forum. Sept 20, 2023. Fort Collins, CO.

DeLay, Nathan D., Daniel Mooney, and John P. Ritten. "Climate Adaptation and Concentration in the U.S. Livestock Sector."  
2023 WAEA/CAES Annual Meeting. Whistler, B.C.

Mooney, Daniel and Nathan D. DeLay. "Not So Flat Payoff Functions? Production Risk and Economically Optimal Irrigation Decisions."  
2023 WAEA/CAES Annual Meeting. Whistler, B.C.

Walters, Cory and Nathan D. DeLay. "The Influence of the 2011 Standard Reinsurance Agreement Cap on Crop Insurance Agent Commissions. Did Agents expand or leave?"  
2023 WAEA/CAES Annual Meeting. Whistler, B.C.

DeLay, Nathan D. "Technology and Rural Communities."  
2023 CSU AgNext Research Summit. June 14, 2023. Fort Collins, CO.

DeLay, Nathan D. "Agricultural Economics Research and Teaching Overview."  
2023 CSU AgNext Industry Innovation Working Group Annual Meeting. June 1, 2023. Fort Collins, CO.

DeLay, Nathan D. "Opportunities and Challenges with Carbon Farming."  
2022 Soil-based Climate Solutions: Science to Drive Impact conference. Fort Collins, CO.

Comstock, Haden and Nathan D. DeLay. "The Effects of Government Farm Support Programs on the Adoption of Farm Technology and Sustainable Production Practices."  
2022 AAEA Annual Meeting Poster Presentation. Anaheim, CA.

Minert, James R., Nathan D. DeLay, and Michael R. Langemeier. "Perspectives On Digital Farm Data Ownership."  
23rd International Farm Managers Association Congress 2022. Copenhagen, Denmark.

DeLay, Nathan D. "Innovations in Farm Technology & Data"  
2022 Commodity Classic Conference. New Orleans, LA.

DeLay, Nathan D., James R. Mintert, Brady Brewer. "Data and Technology: Insights and Implications for Serving the Farm of the Future."  
2021 Purdue Center for Food and Agricultural Business National Conference. West Lafayette, IN.

DeLay, Nathan D. and Cory G. Walters. "Agent Location in the Federal Crop Insurance Program: A Spatial Regression Analysis."  
2021 AAEA Annual Meeting. Austin, TX.

DeLay, Nathan D., Nathanael M. Thompson, and James R. Mintert. "Farm Data Usage and Analytics."  
2021 AAEA Annual Meeting. Austin, TX.

DeLay, Nathan D. "Putting a Price on Data."  
Purdue College of Agriculture Spring Webinar Series: Data Driven Agriculture, April 1, 2021.  
<https://ag.purdue.edu/digital-ag-resources/event/webinar-putting-a-price-on-data/>

DeLay, Nathan D. "The Value of Farm Data."  
Purdue Center for Commercial Agriculture Commercial AgCast podcast episode, March 24, 2021.  
<https://ag.purdue.edu/commercialag/home/resource/2021/03/the-value-of-farm-data/>

DeLay, Nathan D., James R. Mintert, Nathanael M. Thompson. "Growing Your Digi-

tal Agriculture Strategy - Evidence from Purdue Research.”  
Purdue Center for Commercial Agriculture Webinar, Sept 16, 2020.  
<https://ag.purdue.edu/commercialag/home/resource/2020/09/growing-your-digital-agriculture-strategy/>

DeLay, Nathan D. “Data and Precision Ag Usage.”  
Purdue Center for Commercial Agriculture Commercial AgCast podcast episode, June 17, 2020.  
<https://ag.purdue.edu/commercialag/home/resource/2020/06/data-and-precision-ag-usage/>

DeLay, Nathan D. and Scott Downey. “Key Findings from Recent Research over Farmers Use of Data.”  
Purdue Center for Food and Agricultural Business Tuesday Tailgate webinar, June 2, 2020.  
<https://agribusiness.purdue.edu/tuesday-tailgate-talks/archive/>

DeLay, Nathan D., Nathanael M. Thompson, and James R. Mintert. “Precision Agriculture Adoption and Technical Efficiency.”  
2020 AAEA Annual Meeting (virtual). Kansas City, Missouri.

DeLay, Nathan D. “The Promise of Digital Agriculture: Insights from Crop Farmer Digital Ag Technology Usage Survey.”  
2020 Purdue Center for Commercial Agriculture Advisory Council Meeting. West Lafayette, IN.

DeLay, Nathan D. “Growing Your Digital Agriculture Strategy.”  
2020 Purdue Top Farmer Conference. West Lafayette, IN.

DeLay, Nathan D. “Farm Data Use in Commercial Agriculture.”  
2019 Purdue Center for Food and Agricultural Business National Conference. West Lafayette, IN.

DeLay, Nathan D. “Blockchain for Agriculture: Promise, Potential, and Reality.”  
2019 Purdue Center for Food and Agricultural Business Executive Summit. West Lafayette, IN.

DeLay, Nathan D. “Blockchain for Agriculture: Promise, Potential, and Reality.”  
2019 Purdue University Digital Agriculture Roundtable. West Lafayette, IN.

DeLay, Nathan D., Brady E. Brewer, Allen M. Featherstone, and David Boussios. “The Impact of Crop Insurance on Farm Financial Outcomes.”  
2019 AAEA Annual Meeting. Atlanta, GA.

DeLay, Nathan D., Brady E. Brewer, Allen M. Featherstone, and David Boussios. “The Impact of Crop Insurance on Farm Financial Outcomes.”  
2019 WAEA Annual Meeting. Coeur d’Alene, ID.

DeLay, Nathan D. “Drone Use in Agriculture: How Common are They?”  
Spring 2019 IN Farm Bureau/Purdue Ag Econ Supper Series. Indianapolis, IN.

Panel Moderator, Using Technology Beyond Precision Applications to Improve Profitability.  
2019 Purdue Top Farmer Conference. West Lafayette, IN.

Participant, James M. Buchanan’s Legacy for Liberty Conference.  
2018 IHS/Liberty Fund Advanced Topics in Liberty Conference Series. Arlington, VA.

DeLay, Nathan D., Hayley H. Chouinard, Cory G. Walters, and Philip P. Wandschnei-



der. “The Market Structure for Crop Insurance and the Effects on Insurance Contracts.”

2017 School of Economic Sciences Seminar Series. Pullman, WA.

DeLay, Nathan D., Hayley H. Chouinard, Cory G. Walters, and Philip P. Wandschneider. “The Market Structure for Crop Insurance and the Effects on Insurance Contracts.”

2017 AAEA Annual Meeting Poster Presentation. Chicago, IL.

DeLay, Nathan D. “The Impact of Federal Crop Insurance on the Conservation Reserve Program.”

2017 School of Economic Sciences GSA Poster Expo. Pullman, WA.

DeLay, Nathan D. “The Impact of Federal Crop Insurance on the Conservation Reserve Program.”

2016 Property and Environment Research Center (PERC) Summer Workshop Series. Bozeman, MT.

DeLay, Nathan D., Hayley H. Chouinard, and Philip P. Wandschneider. “Categorizing Agritourism Operations and Identifying Barriers to Success.”

2016 WAEA/CAES Annual Meeting. Victoria, B.C.

## **Fellowships & Awards**

2023, AAEA Outstanding Master’s Thesis advisor. Washington, D.C.

2021, Outstanding M.S./M.B.A. Capstone Advisor Award. West Lafayette, IN.

2020, Acorn Award, Purdue Seed for Success Research. West Lafayette, IN.

Purdue College of Agriculture Elevating the Visibility of Agricultural Research: 150th Anniversary Review Papers Award, 2019. West Lafayette, IN.

School of Economic Sciences Excellence in Teaching Award, Fall 2017. Pullman, WA.

Institute for Humane Studies at George Mason University Ph.D. Scholarship, Fall 2017–Spring 2018. Arlington, VA.

School of Economic Sciences GSA Poster Competition Honorable Mention, Spring 2017. Pullman, WA.

Property and Environment Research Center (PERC) Graduate Fellowship, Summer 2016. Bozeman, MT.

2016 WAEA/CAES Annual Meeting Travel Grant Recipient, Summer 2016. Victoria, B.C.

School of Economic Sciences Tesfaye Girma Deboch Graduate Fellowship, Summer 2016. Pullman, WA.

Rocky Mountain College Full Tuition Scholarship, Fall 2005–Spring 2009. Billings, MT.

## **Professional Affiliations**

Agricultural and Applied Economics Association (AAEA)

Western Agricultural Economics Association (WAEA)

## **Professional Service**

**Referee**, *Food Policy*, *American Journal of Agricultural Economics*, *Applied Economic Perspectives and Policy*, *Journal of Agricultural Economics*, *Journal of the Agricultural and Applied Economics Association*, *Agricultural Economics*, *Agricultural and Resource*

*Economics Review, Journal of Agricultural and Resource Economics, Agricultural Finance Review.*

**Associate Editor**, *Agronomy Journal*, Jan. 2022-Dec. 2022.

**Judge**, Colorado FFA Business Marketing Competition, 2023.

**Council Member**, WAEA Executive Council, 2023-current.

**Committee Member**, CSU DARE Undergraduate Curriculum Committee, 2022-current.

**Committee Member**, Purdue/IU MS/MBA Admissions Committee, 2021-2022.

**Reviewer**, Purdue/IU MS/MBA Founder's Cup Award for best capstone project, 2021.

**Reviewer**, Best Paper Award, AAEA Applied Risk Analysis (ARA) section, 2021.

**Reviewer**, Purdue Department of Agricultural Economics Best Masters Thesis Award, 2021, 2022.

**Reviewer**, Selected Papers, Agricultural and Applied Economics Association (AAEA) Annual Meeting, 2018, 2019.

**Reviewer**, Selected Papers, Western Agricultural Economics Association (WAEA) Annual Meeting, 2020.

**Faculty advisor**, Purdue College of Agriculture Research Data Ecosystem Initiative, Nov 2019-2022.

**Team Advisor**, 2019 AAEA Graduate Student Case Study Competition.

**Grader**, Purdue Department of Agricultural Economics graduate student preliminary examinations, 2019, 2021.

**Judge**, 2019 Department of Agricultural Economics Graduate Student Poster Competition.

**Reviewer**, 2019 Purdue Research Foundation (PRF) Research Grant Competition.

**Reviewer**, 2019 Purdue College of Agriculture AgSEED Grant Competition.

**Session Moderator**, Selected Paper Session 11: Market Structures and Supply Chains. 2016 WAEA/CAES Annual Meeting. Victoria, B.C.

## **Skills**

R, Stata, LaTeX, SAS