

CURRICULUM VITAE

NAME Daniel F. Mooney

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Agricultural and Resource Economics
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EDUCATION

2017 Ph.D. University of Wisconsin-Madison, Agricultural and Applied Economics
2009 M.S. Michigan State University, Agricultural, Food, and Resource Economics
2001 B.S. University of Wisconsin-Madison, Agricultural and Applied Economics

ACADEMIC POSITIONS

2024 – Present Associate Professor, Department of Agricultural and Resource Economics,
Colorado State University, Fort Collins, CO

2017 – 2024 Assistant Professor, Department of Agricultural and Resource Economics,
Colorado State University, Fort Collins, CO

2015 – 2016 Visiting Instructor, Department of Economics, Beloit College, Beloit, WI

2010 – 2017 Research Assistant, Department of Agricultural and Applied Economics,
University of Wisconsin-Madison, Madison, WI

2007 – 2010 Research Associate, Department of Agricultural and Resource Economics,
University of Tennessee, Knoxville, TN

2005 – 2007 Research Assistant, Department of Agricultural, Food, and Resource Economics,
Michigan State University, East Lansing, MI

OTHER PROFESSIONAL POSITIONS

2004 – 2005 Regional Volunteer Coordinator, U.S. Peace Corps, Panama
2002 – 2004 Agribusiness Extension Volunteer, U.S. Peace Corps, Panama

CURRENT JOB DESCRIPTION

35 % Teaching 25 % Research 30 % Outreach/Extension 10 % Service

PUBLICATIONS/SCHOLARLY RECORD**Refereed Journal Articles (*denotes student co-author)**

35. DeLay, N., D.F. Mooney, and J. Ritten. 2025. "Climate and Consolidation in the US Beef Cow Sector." *Journal of Agricultural and Resource Economics*, 50(1):97-118.
<http://dx.doi.org/10.22004/ag.econ.344684>
34. Ford, R.*, D.F. Mooney, R. Hill, M. Wilson, M. Sullins, P. Cabot, and A. Seidl. 2025. "Exploring the Potential for Innovative Water Management Strategies to Support Irrigated Farmland Transitions: Three Case Studies in Colorado." *Western Economics Forum*, 23(1):3-17.
<http://doi.org/10.22004/ag.econ.364767>

33. McKee, S., N. Delay, D.F. Mooney, and S. Shwiff. 2025 “Externalities in Wild Pig Damages on U.S. Crop and Livestock Farms: The Role of Landowner Actions and Landscape Heterogeneity.” *PLoS One* 20(4): p.e0320316. <https://doi.org/10.1371/journal.pone.0320316>
32. Hoag, D., R. Reuter, D.F. Mooney, J. Vitale, J. Ritten, N. DeLay, P. Evangelista, and A. Vorster. 2025. “The Economic Fundamentals of Virtual Fencing Compared to Traditional Fencing.” *Rangelands*, 47(1):92-101. <https://doi.org/10.1016/j.rala.2024.05.006>
31. Patalee, B., D.F. Mooney, and T. Mark. Forthcoming. “Hemp Farming and Credit Access in the United States.” *Journal of Agribusiness*, in press.
30. Eash, L., K. Russell, A. Berrada, M. Schipanski, P. Trivedi, D. Mooney, J. Beiermann, J. Brummer, and S. Fonte. 2025. Forthcoming. Synergies and trade-offs between ecosystem services and economics in dryland cover crop systems. *Ecosphere*, in press.
29. DeLay, N., D.F. Mooney, J. Ritten, and D. Hoag. 2024. “Virtual Fencing: Economic and Policy Implications of an Emerging Livestock Technology for Western Rangelands.” *Western Economics Forum*, 22(1):54-64. <http://dx.doi.org/10.22004/ag.econ.349293>
28. Mooney, D.F., and K. Hansen. 2024. “Agricultural Producer Decision Making around Water Conservation in the Upper Colorado River Basin.” *Choices*, 39(3): 1-8. <http://dx.doi.org/10.22004/ag.econ.348009>
27. Hoag, D., A. Vorster, K. Ehlert, P. Evangelista, L. Edwards-Callaway, D.F. Mooney, and J. Virene*. 2024. “Beef Cattle Producer Perspectives on Virtual Fencing.” *Rangeland Ecology & Management* 96: 143–151. <https://doi.org/10.1016/j.rama.2024.06.004>
26. Davis, M.* , P. Sullivan*, A. Hess, M. Nair, D.F. Mooney, and L. Edwards-Callaway. 2024. “An analysis of the influence of preslaughter management factors on welfare and meat quality outcomes in fed beef cattle in the United States.” *Translational Animal Science*, 8, p.txae108. <https://doi.org/10.1093/tas/txae108>
25. Rhoades, R., D.F. Mooney, M. McQuagge*, F. Garry, and J. Ahola. 2024. “Total Ranch Analysis Colorado (T.R.A.C.): A Ranch Benchmarking Program.” *Journal of the American Society of Farm Managers and Rural Appraisers*, 2024:110-113. <http://dx.doi.org/10.22004/ag.econ.342913>
24. Sullivan, P.* , M. Davis*, M. Nair, A. Hess, D.F. Mooney, and L. Edwards-Callaway. 2024. “Pre-Slaughter Factors Affecting Mobility, Blood Parameters, Bruising, and Muscle pH of Finished Beef Cattle in the United States.” *Translational Animal Sciences*, txae035. <https://doi.org/10.1093/tas/txae035>
23. Davis, M.* , P. Sullivan*, A. Hess, M. Nair, D.F. Mooney, and L. Edwards-Callaway 2024. “Benchmarking Current Pre-Slaughter Management Factors, Welfare Indicators, and Meat Quality Outcomes at Commercial Fed Cattle Processing Facilities in the United States.” *Translational Animal Sciences*, txad150. <https://doi.org/10.1093/tas/txad150>
22. Mooney, D.F., and B.L. Barham. 2023. “Estimating the Ex-Ante Adoption Determinants of Novel Cropping Systems with Nonpecuniary Benefits.” *Journal of the Agricultural and Applied Economics Association* 2(4): 786-807. <https://doi.org/10.1002/jaa2.93>
21. McKee, S., D.F. Mooney, R. Williams. 2023. “Type and Frequency of Wild Pig-Domestic Livestock Contacts and Operator Concern for Disease Spread” *Q Open* 3(2): 1-21. <https://doi.org/10.1093/qopen/qoad027>

20. Sitterson, J.*, A. Andales, D.F. Mooney, M. Capurro*, and J. Brummer. 2023. “Developing a Crop Water Production Function for Alfalfa Under Deficit Irrigation: A Case Study in Eastern Colorado.” *Agriculture* 13(4): 831. <https://doi.org/10.3390/agriculture13040831>
19. Hill, R., B. Jablonski, L. Van*, M. Wang*, P. Appuhamilage, M. LeRoux, T. Mark, D.F. Mooney, and D. Thilmany. 2023. “Producers Marketing a Novel Crop: A Field-Level View of Hemp Market Channels.” *Renewable Agriculture and Food Systems* 38: e32, 1-5. <https://doi.org/10.1017/S1742170523000145>
18. Mooney, D.F. and T. Kelley*. 2023. “Comparative Profitability of Irrigated Cropping Activities for Temporary Water Transfers under Risk Aversion.” *Journal of Agricultural & Resource Economics* 48(1): 202–218. <http://dx.doi.org/10.22004/ag.econ.320671>
17. Mooney, D.F., D. Hoag, Z. Rasul*, and S. Gao*. 2022. “More Risk, More Money: When are Payments for Water Savings from Limited Irrigation Profitable for Farmers?” *Water Resources and Economics* 40: 100212. <https://doi.org/10.1016/j.wre.2022.100212>
16. Mooney, D.F., S. Swinton, C. Subía, and E. Peralta. 2022. “Returns to Disease Resistance Research when Pest Management is an Option.” *Sustainability* 14(5): 2859. <https://doi.org/10.3390/su14052859>
15. Harrison, M. *, J. Sheehan, G. Seidel Jr., D.F. Mooney, R. Rhoades, and J. Ahola. 2021. “Evaluation of Biological and Economic Efficiency of the All Heifer, No Cow Beef Production System using a System Dynamics Model Based on 6 yr of Demonstration Herd Data.” *Journal of Animal Sciences* 99(1): 1–14. <https://doi.org/10.1093/jas/skaa405>
14. Hill, R., D.F. Mooney, and D. Thilmany, 2020. “Making Headway on the Hemp Industry in Colorado: The CHAMP Initiative.” *Western Economics Forum* 18(2): 86–94. <http://dx.doi.org/10.22004/ag.econ.308119>
13. Mooney, D.F., C. Bolison, and B. Barham. 2018. “Willingness to Rent Land for Rotational Grazing: The Importance of Survey Response Behavior.” *Journal of Agricultural and Applied Economics* 51(1): 1–22. <https://doi.org/10.1017/aae.2018.19>
12. Swinton, S., S. Tanner, B. Barham, D.F. Mooney, and T. Skevas. 2017. “How Willing are Landowners to Supply Land for Bioenergy Crops in the Northern Great Lakes Region?” *Global Change Biology-Bioenergy* 9(2): 414–428. <https://doi.org/10.1111/gcbb.12336>
11. Barham, B., D.F. Mooney, and S. Swinton, 2016. “Inconvenient Truths about Landowner (Un)Willingness to Grow Dedicated Bioenergy Crops.” *Choices* 31(4): 1–8. <10.22004/ag.econ.249609>
10. Mooney, D.F., B. Barham and C. Lian. 2015. “Inelastic and Fragmented Farm Supply Response for Second-generation Bioenergy Feedstocks: Ex ante Survey Evidence from Wisconsin.” *Applied Economics Perspectives and Policy* 37(2): 287–310. <https://doi.org/10.1093/aep/ppo033>
9. Lambert, D., B. English, D. Harper, S. Larkin, J. Larson, D.F. Mooney, R. Roberts, M. Velandia, and J. Reeves. 2014. “Adoption and Frequency of Precision Soil Testing in Cotton Production.” *Journal of Agricultural and Resource Economics* 39(1): 106–123. <http://www.jstor.org/stable/44131317>
8. Meehan, T., C. Gratton, E. Diehl, N. Hunt, D.F. Mooney, S. Ventura, B. Barham, and R. Jackson. 2013. “Ecosystem-service Tradeoffs Associated with Switching from Annual to Perennial Energy Crops in Riparian Zones of the US Midwest.” *PLoS ONE* 8(11): e80093. <https://doi.org/10.1371/journal.pone.0080093>

7. Boyer, C., R. Roberts, B. English, D. Tyler, J. Larson, and D.F. Mooney. 2013. "Effects of Soil Type and Landscape on Yield and Profit Maximizing Nitrogen Rates for Switchgrass Production." *Biomass and Bioenergy* 48: 33–42. <https://doi.org/10.1016/j.biombioe.2012.11.004>
6. Mooney, D.F., J. Larson, B. English and D. Tyler. 2012. "Effect of Dry Matter Loss on the Profitability of Outdoor Storage of Switchgrass." *Biomass and Bioenergy* 44: 33–41. <https://doi.org/10.1016/j.biombioe.2012.04.008>
5. Gwathmey, C., L. Steckel, J. Larson, and D.F. Mooney. 2011. "Lower Limits of Cotton Seeding Rates in Alternative Row Widths and Patterns." *Agronomy Journal* 103(3): 584–92. <https://doi.org/10.2134/agronj2010.0333>
4. Larson, J., T. Yu, B. English, D.F. Mooney, and C. Wang. 2010. "Cost Evaluation of Alternative Switchgrass Producing, Harvesting, Soring, and Transporting Systems and their Logistics in the Southeastern U.S." *Agricultural Finance Review* 70(2):184–200. <https://doi.org/10.1108/00021461011064950>
3. Mooney, D.F., R. Roberts, B. English, D. Tyler and J. Larson. 2009. "Yield and Breakeven Price of 'Alamo' Switchgrass for Biofuels in Tennessee." *Agronomy Journal* 101(5): 1234–42. <https://doi.org/10.2134/agronj2009.0090>
2. Larson, J., C. Gwathmey, D.F. Mooney, L. Steckel and R. Roberts. 2009. "Does Skip-row Planting Configuration Improve Cotton Net Return?" *Agronomy Journal* 101(4): 738–46. <https://doi.org/10.2134/agronj2008.0135x>
1. Mooney, D.F., J. Larson, R. Roberts and B. English. 2009. "When Does Variable Rate Technology for Agricultural Sprayers Pay? A Case Study for Cotton Production in Tennessee." *Journal of the American Society of Farm Managers and Rural Appraisers* 72(1): 177–87. <http://dx.doi.org/10.22004/ag.econ.189863>

Refereed Reports/Proceedings/Bulletins/Other Outreach and Extension Summaries

Omits refereed proceedings/transactions/technical reports that later appeared as refereed journal articles.

14. Spear, M., A. Afkairin, P. Cabot, J. Davis, J. Dillon, S. Fonte, D. Mooney, J. Schneekloth, and J. Vivanco. 2024. "Incorporation of Grain Legumes into Irrigated and Dryland Crop Rotations." In, *Making Better Decisions: 2023 Colorado Dry Bean Variety Performance Trials*. Technical Report TR 23-5, Agricultural Experiment Station, Colorado State University.
13. Mooney, D.F., and R.L. Hill. 2023. "Hemp Value Chains at Ten Years." Regional Economic Development Institute (REDI) Report, Colorado State University Extension, October 2023.
12. Mooney, D.F., D. Hoag, Z. Rasul, and A. Andales. 2023. "Limited Irrigation Strategies for Water Sharing: From Economic Feasibility to Policy and Commercial Viability." *Global Water Forum*, May 2023.
11. Mooney, D.F., S. Kim, M. Sullins, and D. Thilmann. 2022. "The Ownership of Enterprise in Colorado: Agricultural and Community-Based Cooperatives." Regional Economic Development Institute (REDI) Report, Colorado State University Extension, December 2022.
10. Hensen, R., D.F. Mooney, A. Hill, and M. Fernandez-Gimenez. 2021. "Exploring the Relationship Between Grazing, Severe Drought, and Conservation Program Enrollment."

- Selected Paper. Annual Meeting of the Agricultural and Applied Economics Association, Austin, TX, August 1–3, 2021.
9. Mooney, D.F., J. Blumberg, and T. Kelley. 2020. “Comparing the Field-Level Profitability of Irrigated Cropping Activities for Temporary Water Transfers.” *Colorado Water* 37(2):12–15.
 8. Mooney, D.F. and R. Hill. 2021. “Hemp Industry Detailed Analysis.” In, Colorado Hemp Advancement and Management Plan. State of Colorado. March, 2021.
 7. Angelo, B., J. Moore, D.F. Mooney, M. Sullins, B. Jablonski, D. Thilmany. 2020. “Colorado’s Mid-scale to Small Meat Value Chain.” Colorado Food Systems Advisory Council (COFSAC) Issue Brief, September 2020.
 6. Mooney, D.F., M. Rollison, and J. Ahola. 2019. “Estimating the Effect of Beef Quality Assurance (BQA) on Video Cattle Prices in the US West.” Selected Paper. Annual Meeting of the Agricultural and Applied Economics Association. Atlanta, GA, July 21-23, 2019.
 5. Mooney, D.F., R. Roberts, B. English, J. Larson, and D. Tyler. 2010. “Is Switchgrass Yield Response to Nitrogen Fertilizer Dynamic? Implications for Profitability and Sustainability at the Farm Level.” Selected Paper. Annual Meeting of the Southern Agricultural Economics Association, Orlando, FL, February 6-9, 2010.
 4. Mooney, D.F. and B. English. 2009. “Economics of the Switchgrass Supply Chain: Enterprise Budgets and Production Cost Analyses.” In: *Transition to a Bioeconomy: The Role of Extension in Energy*, eds. B.C. English, K. Jensen and J. Menard. Little Rock, AR: Farm Foundation.
 3. Mooney, D.F., R. Roberts, B. English, D. Tyler, and J. Larson. 2008. “Switchgrass Production in Marginal Environments: A Comparative Economic Analysis across Four West Tennessee Landscapes.” Selected Paper. Annual Meeting of the Agricultural and Applied Economics Association, Orlando, FL, July 29-29, Orlando, FL.
 2. Mooney, D.F., R. Roberts, B. English, D. Lambert, J. Larson, M. Velandia, S. Larkin, M. Marra, S. Martin, A. Mishra, K. Paxton, R. Rejesus, E. Segarra, C. Wang and J. Reeves. 2010. “Precision farming by cotton producers in twelve southern states: Results from the 2009 southern cotton precision farming survey.” Research Series 10-02. Agricultural and Resource Economics, University of Tennessee, Knoxville, TN.
 1. Subía, C., E. Peralta, E. Falconí, J. Pinzón, D.F. Mooney, and S. Swinton. 2007. “Diagnóstico sobre el cultivo de fréjol arbustivo y el uso de pesticidas en el sistema de producción, en los valles del Chota y Mira, Provincias Imbabura y Carchi, Ecuador, 2000-2005.” Publicación miscelánea 138. Programa Nacional de Leguminosas y Granos Andinos, Instituto Nacional Autónomo de Investigaciones Agropecuarias, Ecuador.

Refereed Book Chapters

1. English, B., D.F. Mooney, J. Larson, D. Tyler and D. Toliver. 2020. “Biofuel Feedstock Production: Crop Residues and Dedicated Bioenergy Crops.” In, J. Bergtold and M. Sailus, eds.: *Conservation Tillage Systems in the Southeast: Production, Profitability and Stewardship*. Sustainable Agriculture Research and Education (SARE) Handbook Series 15.

Non-Refereed Reports/Proceedings/Bulletins/Other Outreach and Extension Summaries

8. Mooney, D.F., D. Hoag, and K. Mankin. “Economic Analysis of Flex Cropping Decisions for Dryland Wheat Rotations: Field- and Farm-level Research Questions.” Field Report. In, Dryland Agricultural Research Field Day Booklet, Akron, CO. June 4, 2025.
7. Mooney, D.F., M. Spear, J. Schneekloth, and J. Davis. “Cowpea Potential in Dryland Cropping Systems.” Field Report. In, USDA-ARS Dryland Agricultural Research Field Day Booklet, Akron, CO, June 11, 2024.
6. Mooney, D.F., J. Sitterson, A. Andales, M. Capurro and Z. Rasul. 2022. “Research at the Subsurface Irrigation Efficiency Program (SIEP) Farm.” Subsurface Irrigation Efficiency Program (SIEP) Farm. August, 2022.
5. Rhoades, R. and D.F. Mooney. 2022. Colorado Cow-Calf Business Benchmarks”. TRAC 2022 Priorities Report. November 2022. Colorado State University, College of Agricultural Sciences, Fort Collins CO.
4. Mooney, D.F. and J.K. Ahola. 2020. “BQA-Certified Producers Earn More per Head Sold.” National Cattlemen’s Beef Association. January, 2020.
3. Ahola, J., D.F. Mooney, L. Edwards-Callaway, L. Bigler, and M. Harrison. 2018. “Effect of Mentioning Beef Quality Assurance (BQA) in Lot Descriptions of Beef Calves and Feeder Cattle Sold through Video-Based Auctions on Sale Price.” Final Report. National Beef Quality Assurance (BQA) Program, National Cattlemen’s Beef Association, Centennial, CO.
2. Rhoades, R. and D.F. Mooney. 2018. Colorado Beef Producers Needs Assessment. Priorities Report. College of Agricultural Sciences, Colorado State University, Fort Collins, CO.
1. Mooney, D.F., B.L. Barham, C. Lian, S. Ventura, N. Hunt, T. Meehan, and R. Jackson. 2013. “Current prospects for bioenergy crop production on marginal lands: Results from a farm survey in southwestern Wisconsin.” Staff Paper 569. Agricultural and Applied Economics, University of Wisconsin, Madison, WI.

CONTRACTS & GRANTS

Proposals Under Review or Submitted/Not Funded in 2024

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|-------------|---|
| 2025 – 2029 | Assessing Trade-offs Towards Equitable and Sustainable Transformations: A Convergent Research Network in the Transboundary Colorado River Basin. National Science Foundation-Sustainable Regional Systems. PI: A. Gerlack, Co-PIs: Multiple (over 20) \$30 million. (Submitted 11/24, not selected for funding) |
| 2025 – 2028 | Development of a Black Eye Pea Production Guide for Colorado. Submitted to WSARE. PI: J. Davis. CoPIs: J. Webb, S. Jones-Diamond, J. Schneekloth, J. Harrington, K. Caswell, D. Mooney, G. Miner (Submitted 10/24, not selected for funding) \$349,855. |
| 2025 – 2026 | Optimizing Management of No-Till Winter Pea in Western Colorado. Submitted to USA Dry Pea & Lentil Council. PI: J. Davis. CoPIs: P. Cabot, T. Ballard, D. Mooney. \$32,906 (Submitted 11/24, Under review as of 12/2024) |

- 2024 – 2025 Farmer Incentives for Agricultural Water Conservation Practices to Achieve Food and Climate Transitions in Arid and Semi-Arid River Basins. CABI/JUNO Fact Alliance PI: D. Mooney, CoPIs: J. Tingey-Holyoak, J. Pisaniello. (Submitted in 2024, not selected for funding)
- 2024 – 2028 Taters for Tots: Coordinated Multi-Location Research and Strategic Outreach for Attaining Closer to Zero Toxic Metals in Sweetpotato. USDA Specialty Crops Research Initiative. PI: B. Tubana. CoPIs: Multiple (over 15) \$4 million (Submitted in 2024, not selected for funding)

Externally Funded Projects as PI

- 2023 – 2026 Assessing the Technical and Economic Potential of Irrigation Curtailment Practices to Jointly-Sustain Livestock Production and Water Conservation in the Upper Colorado River Basin. Conscious Bay Research Foundation. \$449,000. PI: D. Mooney, CoPIs: P. Cabot, D. Hoag, J. Chavez.
- 2023 – 2024 When is Agrivoltaics Profitable Compared to Agriculture and Solarvoltaics? A Joint-Product Economic Feasibility Analysis? Colorado Department of Agriculture. PI: D. Mooney, CoPIs: D. Hoag, M. Uchanski.
- 2021–2023 Profitability Assessment of Grazing Management Practices to Achieve Resilient Working Landscapes and Enhanced Bird Habitat in Eastern Colorado. Bird Conservancy of the Rockies. PI: D. Mooney, CoPIs: F. Garry, D. Hoag, K. Jablonski, R. Rhoades. \$25,650.
- 2020–2025 Arid Climate Water Management Strategies: Joint Sustainability of Irrigated Agriculture and Other Societal Water Uses in Eastern Colorado. PI: D. Mooney, CoPIs: A. Andales, R. Hill. Platte River Water Development Authority. \$953,000.
- 2018–2020 Arid Climate Water Management Strategies: Joint Sustainability of Irrigated Agriculture and Other Societal Water Uses in Eastern Colorado. PI: D. Mooney, CoPI: A. Andales. Platte River Water Development Authority. \$276,000.
- 2018–2020 Connecting and Strengthening Livestock Supply Chain Nodes: Managing Risk and Assessing New Market Opportunities for Small to Mid-Sized Livestock Production and Processing in Colorado. PI: D. Mooney, CoPIs: C. Gifford, B. Jablonski, M. Sullins, D. Thilmany. USDA EMRE. \$50,000.

Externally Funded Projects as CoPI

- 2024–2025 Understanding Soil and Environmental Effects on Crop Species and Rangeland Ecosystems Under Water Limitation. USDA-ARS. PI: M. Schipanski. CoPIs: D. Hoag, D. Mooney. \$123,610.
- 2023–2024 Economic Analysis of Feral Swine Impacts to Agriculture and Natural Resources. USDA-APHIS. PI: J. Suter. CoPIs: D. Mooney, N. DeLay. \$200,163.
- 2022–2023 Improving Environmental and Economic Sustainability Outcomes through Incorporation of Pulses into Irrigated and Dryland Crop Rotations in Semi-Arid and Arid Climates. PI: J. Davis, CoPIs: J. Dillon, P. Cabot, S. Fonte, D. Mooney, J. Schneekloth, J. Vivanco. WSARE. \$105,800.
- 2022–2023 Evaluating Potential of Biopesticides in Colorado Potato Production. PI: M. Chik-Ali, CoPI: D. Mooney. Colorado Dept of Agriculture Specialty Crop Block Grant. \$45,000.

- 2020–2023 Cross-State Heterogeneity of Farm-Scale Hemp Production Costs. PI: T. Mark, CoPI: R. Hill, D. Mooney, D. Thilmany. USDA Agricultural Marketing Service (AMS). \$1,000,000.
- 2019–2023 Increasing Yield, Quality, and Economy of Alfalfa Hay through Grass Species Selection and Planting Configuration. USDA National Institute for Food and Agriculture (NIFA). PI: J. Brummer, CoPIs: P. Cabot, X. Liang, D. Mooney, P. Nachappa, R. Qin. \$457,000.
- 2020–2023 Precision Nitrogen Management Strategies to Increase Profitability and Sustainability of irrigated cropping systems. PI: R. Kholsa, CoPI: D. Mooney, R. Phillippi. Fluid Fertilizer Foundation. \$45,000.
- 2019–2023 Effect of Pre-Slaughter Management Practices on Animal Welfare And Economic Performance Outcomes For Finished Cattle. PI: L. Edwards-Callaway. CoPIs: D. Mooney, M. Nair. USDA National Institute for Food and Agriculture (NIFA). \$480,000.
- 2018–2022 Expanding Benchmarking and Financial Analysis to Ranches in the West. PI: R. Rhoades, CoPIs: J. Ahola, D. Mooney. USDA Farm Benchmarking and Business Management. \$452,300.
- 2018–2018 Determine the value of Beef Quality Assurance (BQA) among calves and feeder cattle marketed via video-based auctions compared to cattle not affiliated with BQA. National Cattlemen’s Beef Association. PI: J. Ahola, CoPIs: L. Bigler, L. Edwards-Callaway, D. Mooney, R. Rhoades. \$6,100.

Internally Funded Awards

- 2023 – 2024 Optimizing Wheat Rotations to Maximize Profitability and Sustainability. PI: J. Davis, CoPIs: K. Caswell, J. Schneekloth, D. Mooney. Colorado Wheat Rsch Found. \$10,000.
- 2022-2023 Predicting the Long-term Effects of Cover Cropping on Soil Health, Productivity, and Net Economic Returns in Colorado Wheat Systems. Colorado Wheat Research Foundation. PI: S. Fonte, CoPIs: L. Eash, D. Manning, D. Mooney, K. Paustian, K. Russell, and M. Schipanski. \$18,800.
- 2022-2023 Assessing the State of Knowledge on the Nature, Extent, and Impact of Water Salinity in the South Platte River Basin. Colorado Water Center, Colorado State University. PI: A. Andales, CoPIs: T. Gates, D. Mooney. \$35,000.
- 2022-2023 Winter Pea Crop Rotations as an Approach to Make Summer Irrigation Water Available for Temporary Water Sharing Arrangements. PI: J. Davis, CoPIs: P. Cabot, D. Mooney. Colorado Water Center, Colorado State University. \$49,989.
- 2020-2021 Enhancing Efforts to Expand Soil Health Management: An Economic Evaluation of Dryland Cover Cropping Systems. Solutions to Commodity Crop Challenges, College of Agricultural Sciences, Colorado State University. PI: D. Mooney, CoPIs: A. Hill, S. Fonte. \$19,900.
- 2018-2020 Economic Potential of Niche Forage Systems for Intensified Beef Cattle Production on High-Plains Ranch Operations. \$46,668.
- 2017-2018 Nitrogen-Rich Strip: A Strategy for Profit-Maximizing Winter Wheat Yield and Grain Protein Improvement in Colorado. Colorado Wheat Research Foundation. PI: W. Trujillo. CoPIs: S. Hayley, D. Mooney. \$10,000.

PAPERS PRESENTED/SYMPOSIA/PROFESSIONAL MEETINGS/ WORKSHOPS

Department Seminars, Symposia, Organized Sessions

- 2025 “Exploring Irrigation Curtailment Practices as Part of Upper Basin Sustainable Ranching.” Invited Presentation. 2025 Conference on the Colorado River. University of Colorado Law School, Boulder, CO. June 5-6, 2025. Role: Presenter.
- 2024 “Externalities in Wild Pig Damages on U.S. Crop and Livestock Farms: The Role of Landowner Actions and Landscape Heterogeneity.” Department Seminar. Agricultural and Resource Economics, Colorado State University. Role: Presenter.
- 2023 “Not So Flat Payoff Functions? Production Risk and Economically-Optimal Irrigation Decision Decisions” Department Seminar, Agricultural Economics, Oklahoma State University. Stillwater, OK. Role: Presenter.
- 2023 “Economic Contributions to Stakeholder Decision-Making in the Upper-Colorado River Basin.” Agricultural and Applied Economics Association, Washington, DC. Role: Symposium Panelist.
- 2022 “Overview of Colorado Agriculture.” Farm Business Management National Conference. Fort Collins, CO. Role: Speaker
- 2022 “Evaluating Grazing Management Practices to Achieve Resilient Rangelands and Enhanced Grassland Bird Habitat.” Annual Meeting of the Agricultural and Applied Economics Association (AAEA). Anaheim, CA. Role: Symposium Panelist
- 2020 “Hemp Policy and Production in Colorado.” Annual Meeting of the Agricultural and Applied Economics Association (AAEA), Virtual Conference. Role: Symposium Panelist
- 2020 “Challenges and Opportunities of Industrial Hemp in the Western United States.” Annual Meeting of the Western Agricultural Economics Association (WAEA), Virtual Conference. Role: Symposium Panelist
- 2020 “An Overview of the Hemp Industry in Colorado.” National Farm Business Management Conference. Virtual. Speaker

Professional Meetings (*Graduate student advisee)

- 2025 “Willingness to Participate in Agricultural Water Conservation Programs: Choice Experiment Evidence from the Upper Colorado River Basin.” 2025 Annual Meeting. Agricultural and Applied Economics Association. Presenter: B. Dahal*.
- 2025 “Functional Form Specification and Its Impact on Optimal Replacement Models.” 2025 Annual Meeting. Agricultural and Applied Economics Association. Presenter: R. Wasserman-Olin*.
- 2024 “The Importance of Individual and Collective Action in Wild Pig Damage to U.S. Crop and Livestock Farms.” Western Agricultural Economics Association, San Francisco, CA. June 23-25, 2024. Presenter: N. DeLay.
- 2023 “Not So Flat Payoff Functions? Production Risk and Economically-Optimal Irrigation Decision Decisions” Western Agricultural Economics Association, Whistler, BC, Canada. Presenter: D. Mooney.
- 2023 “Producer views about virtual fencing.” Annual Meeting of the Society for Range Management, Boise, Idaho. Presenter: D. Hoag

- 2022 “Efficient Regulation of Hemp Pollen Dispersal in Variated Landscapes.” Annual Meeting of the Agricultural and Applied Economics Association (AAEA), Anaheim, CA. Presenter: M. Wang*
- 2022 “Expansion and Contraction in Early Hemp Cultivation on U.S. Farms.” Annual Meeting of the Western Agricultural Economics Association (WAEA), Santa Fe, NM. Presenter: D.F. Mooney
- 2022 “Synergies and Tradeoffs between Ecosystem Services and Economics in Dryland Cover Cropping Systems.” American Society of Agronomy (ASA), American Soil Science Society (ASSA) International Annual Meeting, Baltimore, MD. Presenter: L. Eash*
- 2022 “Economics of Deficit Irrigation: How Much does Production Risk Matter?” Annual Hydrology Days Meetings, Fort Collins, CO. Presenter: Z. Rasul*
- 2021 “A Cow-Calf Enterprise Analysis of Key Performance Indicators and Financial Profitability on Colorado Ranches.” Annual Meeting of the American Society of Animal Sciences, Fort Collins, CO. Presenter: M. McQuagge*
- 2021 “Exploring the Relationship Between Grazing, Severe Drought, and Conservation Program Enrollment.” Annual Meeting of the Agricultural and Applied Economics Association (AAEA), Austin, TX. Presenter: R. Hensen*
- 2019 “Estimating Processors’ Willingness to Consider New Business Opportunities: Niche Meat Livestock Production in Colorado.” Annual Meeting of the Western Agricultural Economics Association, Coeur d’Alene, ID. Presenter: D.F. Mooney
- 2019 “Diagnosing Capacity Constraints to Expanded Niche Meat Production in Colorado: An Assessment Tool.” Extension Risk Management Education National Conference, Lexington, KY. Presenter: D.F. Mooney
- 2019 “Video Calf Prices in the U.S. West: Location, Risk Management and Other Value Considerations.” Annual Meeting of the Western Agricultural Economics Association. Atlanta, GA. Presenter: D.F. Mooney
- 2019 “Comparative Profitability of Water-Limited Irrigation Strategies under Risk Aversion.” Annual Meeting of the Western Agricultural Economics Association, Coeur d’Alene, ID. Presenter: T. Kelley*
- 2019 “Profitability of Water-Limited Irrigated Cropping Strategies in Northeastern Colorado: A Stochastic Enterprise Analysis.” Annual Hydrology Days Meetings. Fort Collins, CO. Presenter: T. Kelley*
- 2018 “Analyzing conflicts between biological and economic efficiencies of beef production without mature cows.” Annual Meeting of the American Society of Animal Sciences (ASAS), Vancouver, Canada. Presenter: M. Harrison*
- 2016 “Ex-ante estimation of adoption determinants for a sustainable land management practice: The case of non-operator landowners.” Annual Meeting of the Agricultural and Applied Economics Association (AAEA), Boston, MA. Presenter: D.F. Mooney
- 2013 “What drives the adoption of clean agricultural technologies? An *ex ante* assessment of sustainable biofuel production in southwestern Wisconsin.” Annual Meeting of the Agricultural and Applied Economics Association (AAEA). Washington, DC. Presenter: D.F. Mooney

- 2013 “Sustainable biofuels, marginal agricultural lands, and farm supply response: Micro-evidence for Southwest Wisconsin.” Annual Meeting of the Agricultural and Applied Economics Association (AAEA), Washington, DC. Presenter: D.F. Mooney
- 2010 “Estimating the impacts of storage dry matter losses on switchgrass production.” Annual Meeting of the Agricultural and Applied Economics Association (AAEA), Denver, CO. Presenter: J. Larson
- 2010 “Is switchgrass yield response to nitrogen dynamic? Implications on profitability and sustainability at the farm level.” Annual Meeting of the Southern Agricultural Economics Association (SAEA), Orlando, FL. Presenter: D.F. Mooney
- 2010 “Cost analysis of alternative harvest and storage methods for switchgrass in the southeastern U.S.” Annual Meeting of the Southern Agricultural Economics Association (SAEA), Orlando, FL. Presenter: J. Larson
- 2010 “A Computer Decision Aid for the Precision Agriculture Investment Decision.” International Conference on Precision Agriculture. Denver, CO. Presenter: D.F. Mooney
- 2010 “Cotton precision farming adoption in the southern United States: Findings from a 2009 survey.” International Conference on Precision Agriculture. Denver, CO. Presenter: D.F. Mooney
- 2010 “Adoption and perceived usefulness of precision soil sampling information in cotton production.” International Conference on Precision Agriculture. Denver, CO. Presenter: D. Harper
- 2010 “Cotton seeding rates: How low can we go?” Beltwide Cotton Conferences, National Cotton Council of America, New Orleans, LA. Presenter: O. Gwathmey
- 2009 “Economics of the Switchgrass Supply Chain: Enterprise Budgets and Production Cost Analyses.” Farm Foundation Conference, Transition to a Bioeconomy: The Role of Extension in Energy. Little Rock, AK. Presenter: B. English
- 2009 “Economic impact evaluation of disease-resistant bean research in Northern Ecuador.” International IPM Symposium, Portland, OR. Presenter: D.F. Mooney
- 2009 “Economics of the variable rate technology investment decision for agricultural sprayers.” Annual meeting of the Southern Agricultural Economics Association (SAEA). Presenter: D.F. Mooney
- 2008 “Switchgrass production in marginal environments: A comparative economic analysis across four West Tennessee landscapes.” Annual meeting of the Agricultural and Applied Economic Association (AAEA), Orlando, FL. Presenter: D.F. Mooney
- 2008 “A computer decision aid for the VRT investment decision in cotton production.” Beltwide Cotton Conferences, National Cotton Council of America, San Antonio, TX. Presenter: J. Larson
- 2008 “Impacts of row spacing and planting pattern on cotton net revenues under alternative herbicide-resistant technology regimes.” Beltwide Cotton Conferences, National Cotton Council of America, Nashville, TN. Presenter: J. Larson
- 2007 “Neighborhood effects? Spatial diffusion and the adoption determinants of disease-resistant bean varieties in Nicaragua.” Annual Meeting of the American Agricultural Economics Association (AAEA), Portland, OR. Presenter: D.F. Mooney

Outreach and Extension Meetings/Presentation/Workshops

- 2025 “Economic Analysis of Flex Cropping Decisions for Dryland Wheat Rotations.” Wheat Field Day, USDA-ARS, Akron, CO. June 4, 2025. Presenter: D. Mooney.
- 2025 “Cowpea Potential in Dryland Cropping Systems.” Greeley Farm Show. January, 2025. Presenter: J. Davis.
- 2025 “When is Agrivoltaics Profitable Compared to Crop Production and Solar Production?” Greeley Farm Show. January, 2025. Presenter: M. Buzzelli.
- 2025 “DARE Connects: New Resources for 2025” Professional Development Presentation. Winter Conference, Colorado Vocational Agricultural Teachers Association, January, 2025. Presenter: D.F. Mooney.
- 2024 “Economics of No-Till Agriculture on Colorado’s Western Slope.” Western Colorado Farm and Ranch Innovation Expo. Shavano Conservation District. Montrose, CO, November 15-16, 2024. Presenter: D. Mooney.
- 2024 “Economic Feasibility of Agrivoltaic Systems.” Annual Meeting, Colorado Chapter of the Association of Farm Managers and Rural Appraisers (ASFMRA), CoBank Center, Agricultural Research and Development Center, Colorado State University, Fort Collins, CO. June 27, 2024. Presenter: D. Mooney.
- 2024 “Cowpea Potential in Dryland Cropping Systems.” Wheat Field Day, USDA-ARS, Dryland Agricultural Research Station, Akron, CO. June 11, 2024. Presenter: D. Mooney.
- 2024 “DARE Connects Deep Dive Workshop” Winter Conference, Colorado Vocational Agricultural Teachers Association, January 26, 2024. Presenter: D.F. Mooney
- 2023 “DARE Connects Educational Programming and Career Exploration.” Monthly Update Meeting, Colorado State University Extension, Virtual. Presenter: D.F. Mooney
- 2023 “Making Agricultural, Food, and Resource Business Management Fun to Learn and Easy to Teach!” Annual Summer Conference, Colorado Vocational Agricultural Teachers Association, June 26, 2024. Presenter: D.F. Mooney
- 2023 “Economic Evaluation of Grazing Management Practices to Achieve Resilient Rangelands and Enhanced Grassland Bird Habitat” Annual rancher workshop, Bird Conservancy of the Rockies, Fort Collins, CO. Presenter: D.F. Mooney
- 2023 “Producer Sentiment and economic implications of virtual fencing.” Virtual Fence In-Service Workshop.” Boise, Idaho. Presenter: D. Hoag
- 2022 “Structured Decision Making to Achieve Resilient Rangelands.” Annual rancher workshop, Bird Conservancy of the Rockies, Fort Collins, CO. Presenter: D.F. Mooney
- 2021 “Developing a Model Ranch for Eastern Colorado.” Annual rancher workshop, Bird Conservancy of the Rockies, Fort Collins, CO. Presenter: D.F. Mooney
- 2020 “Industrial Hemp in Colorado: 2020 Update.” Agricultural Lenders Meeting, Colorado State University Extension. Virtual Meeting. Presenter: D.F. Mooney

- 2019 “Precision Agriculture: Dollars and Sense for Farm Management.” Agricultural Lenders Meetings, Colorado State University Extension. Akron, CO; Rocky Ford, CO; Greeley, CO. Presenter: D.F. Mooney
- 2019 “Returns to Certification for Beef Producers.” Agricultural Lenders Meetings, Colorado State University Extension. Alamosa, CO; Rocky Ford, CO; Greeley, CO; Grand Junction, CO. Presenter: D.F. Mooney
- 2019 “A Computer Decision Tool for the Irrigated Pasture Investment Decision.” Annual Meeting of the Western Extension Committee, Coeur d’Alene, ID. Presenter: M. Rollison
- 2019 “Effect of BQA Mention in Lot Descriptions of Cattle Sold through Video Auctions.” NCBA Summer Business Meeting, BQA Producer Forum, Denver, CO & BQA State Coordinators Meeting, Fort Collins, CO. Presenter: D.F. Mooney
- 2019 “Small Meat Processor Survey Results and Discussion.” Joint Convention of the Wyoming and Colorado Meat Processors Associations. Durango, CO. Presenter: D.F. Mooney
- 2019 “Colorado Ranch Benchmarking Program: Financial Analysis.” Pasture and Range Extension Workshop. Colorado State University Extension, Walsenburg, CO. Presenters: D.F. Mooney, R. Rhoades
- 2018 “Budgeting Irrigated Pasture Costs.” Irrigated Pasture Field School, Colorado State University Extension. Fort Collins, CO. Presenter: D.F. Mooney
- 2017 “Economic Considerations of Low-Stress Handling on Animal Performance.” Stockmanship & Stewardship Regional Tour, Colorado Beef Quality Assurance Program. Fort Collins, CO. Presenter: D.F. Mooney, R. Rhoades
- 2014 “Market diversification and financial benchmarking on vegetable farms.” Grower Gathering, Fair Share Community Supported Agriculture (CSA) Coalition, Dane County Extension, Madison, WI. Presenter: D.F. Mooney, B. Barham
- 2010 “Using the UT nitrogen rate and fertilizer cost calculators in corn production systems.” No-Till Field Day. Milan Research and Education Center, University of Tennessee, Milan, TN. Presenter: D.F. Mooney
- 2010 “Economics of switchgrass production.” No-Till Field Day. Milan Research and Education Center, University of Tennessee, Milan, TN. Presenter: D.F. Mooney
- 2008 “Switchgrass harvest and storage costs and bale quality.” No-Till Field Day. Milan Research and Education Center, University of Tennessee, Milan, TN. Presenter: D.F. Mooney
- 2004 “Project design and management.” In-Service Training Seminar. Peace Corps Panama. (Presented on three occasions, in Spanish) Presenter: D.F. Mooney
- 2004 “Agricultural marketing for small rural producers.” National Agribusiness Workshop. Peace Corps Panama (presented twice, in Spanish) Presenter: D.F. Mooney

TEACHING

In-Person Courses Taught at CSU

Year	Semester	Course No./Title	Cr Hr	Enrollment
2025	Fall	AREC 605: Agricultural Production & Cost Analysis	3	
2025	Spring	AREC 405: Agricultural Production Management	3	20
2025	Spring	AREC 305: Agricultural & Resource Enterprise Analysis	3	40

2025	Spring	AREC 305 Lab L01: Agricultural & Resource Enterprise Analysis	*	40
2024	Fall	AREC 605: Agricultural Production & Cost Analysis**	3	3
2024	Spring	AREC 305: Agricultural & Resource Enterprise Analysis	3	23
2024	Spring	AREC 305 Lab L01: Agricultural & Resource Enterprise Analysis	*	23
2023	Spring	AREC 305: Agricultural & Resource Enterprise Analysis	3	29
2023	Spring	AREC 305 Lab L01: Agricultural & Resource Enterprise Analysis	*	29
2023	Spring	AREC 605: Agricultural Production & Cost Analysis**	3	10
2022	Fall	AREC 305: Agricultural & Resource Enterprise Analysis	3	27
2022	Fall	AREC 305 Lab L01: Agricultural & Resource Enterprise Analysis	*	9
2022	Fall	AREC 305 Lab L02: Agricultural & Resource Enterprise Analysis	*	18
2022	Spring	AREC 305: Agricultural & Resource Enterprise Analysis	3	25
2022	Spring	AREC 305 Lab L01: Agricultural & Resource Enterprise Analysis	*	25
2022	Spring	AREC 605: Agricultural Production & Cost Analysis**	3	6
2021	Spring	AREC 484: Supervised College Teaching	1	1
2021	Spring	AREC 305 Sect 01: Agricultural & Resource Enterprise Analysis†	3	24
2021	Spring	AREC 305 Sect 02: Agricultural & Resource Enterprise Analysis†	3	19
2021	Spring	AREC 305 Lab 01: Agricultural & Resource Enterprise Analysis	*	43
2021	Spring	AREC 605: Agricultural Production & Cost Analysis**	3	7
2020	Spring	AREC 496: Group Study	1	3
2019	Spring	AREC 305: Agricultural & Resource Enterprise Analysis	3	40
2019	Spring	AREC 305 Lab 01: Agricultural & Resource Enterprise Analysis	*	43
2019	Spring	AREC 605: Agricultural Production & Cost Analysis***	2	2
2018	Fall	AREC 487: Internship	2	1
2018	Spring	AREC 305: Agricultural & Resource Enterprise Analysis	3	41
2018	Spring	AREC 305 Lab 01: Agricultural & Resource Enterprise Analysis	*	25
2018	Spring	AREC 305 Lab 02: Agricultural & Resource Enterprise Analysis	*	16
2018	Spring	AREC 605: Agricultural Production & Cost Analysis***	2	8

Footnotes: * Three total credit hours (combined lecture & lab), ** Team taught with Amanda Countryman (effort evenly split at 50%). *** Changed from 2 credit hours (sole instructor) to 3 credit hours (team instruction) after 2019. † Class taught as two separate lecture sections due to Covid seating capacity restrictions.

Distance Learning Courses Developed and Instructed at CSU

Course No	Course Title	Institution	Cr Hr.	Years
N/A	Farm Bus. Man. (DARE Connects)	CSU Extension	N/A	2024 - present
AREC 305	Agric. & Resource Enterprise Analysis	CSU Online	3	2024 (developed only)
AGRI 636††	Analyzing and Managing the Business	CSU Online	3	2024 – present

†† Class is part of CSU Online Master's Degree program in Integrated Resource management.

In-Person Courses Taught at Other Institutions

Course No	Course Title	Institution	Cr Hr	Number	Years
ECON 501	Quantitative Methods in Economics*	Beloit College	3 cr hr	2 semesters	2016-17
ECON 540	Environment and Energy Economics*	Beloit College	3 cr hr	1 semester	2017

ADVISING

Student Advising/Graduate Supervision

UNDERGRADUATE STUDENTS:

- 1 Honors Paper Student Directed (2022)
- 3 Group Study Students Directed (AREC 496 Group Study) (2020)
- 4 Internships Mentored (1 AREC 487, 2018; 5 CSU Extension, 2020 & 2023)

GRADUATE STUDENTS:

Current Graduate Advisees as Chair or Co-Chair:

 0 # MS

 1 # PhD

Completed Graduate Degrees as Chair or Co-Chair:

Maria Buzzelli (MS, 2024)(Chair)

Samantha Ayoub (MS, 2024) (Chair)

Samantha Bryan (MS, 2024) (Co-Chair)

Reid Hensen (MS, 2021) (Co-Chair)

Timothy Kelley (MS, 2019) (Chair)

Current Graduate Committee Memberships (excluding those chaired):

 3 # PhD as committee member

 0 # MS as committee member

 0 # PhD as outside committee member

 2 # MS as outside committee member

Completed Graduate Degrees as Committee Member:

Mia Morones (MS, 2025, Agricultural and Resource Economics)

Aaisha Al-Mammari (PhD, 2024, Agricultural and Resource Economics)

Melissa Davis (PhD, Animal Sciences)

Lisa Eash (PhD, Soil and Crop Sciences)

Angelique Giraud (MS, Agricultural and Resource Economics)

Meredith Harrison (MS, Animal Sciences)

Sarah Diderikson (MS, Animal Sciences)

Current Research and Teaching Assistants Supervised (excluding those chaired):

 2 # as Teaching Assistants

 2 # as Research Assistants

COMMITTEES

Department

- Member, Recruiting Committee, 2022-present
- Faculty Advisor, Colorado Agricultural Lending Leaders, 2023-present
- Faculty Advisor, Farm Credit Student Board of Directors, 2019-2022
- Member, Agribusiness Faculty Search Committee, 2022-2023
- Member, Agribusiness Faculty Search Committee, 2017-2018
- Member, Graduate Field Course Restructuring Subcommittee, 2018-2019

College

- Member, Associate Dean Search Committee, 2024-2025
- Member, Search Committee, Pulse Crops Research Associate, Soil and Crop Sciences, 2022
- Member, Search Committee, Beef Systems Extension Associate, Animal Sciences, 2019

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Memberships in professional societies

- Agricultural and Applied Economics Association (AAEA), present
- Western Agricultural Economics Association (WAEA), present
- American Society of Farm Managers and Rural Appraisers (ASFMRA), 2025 - present
- American Society of Agronomy (ASA), 2020-2022

Review/editorial boards

- Associate Editor, Agronomy Journal, 2020-2022

Manuscript Refereeing

2025: Applied Economics Perspectives and Policy, Journal of Agricultural and Resource Economics

Past: Journal of Agricultural and Applied Economics Association, Agronomy Journal, Agricultural Systems, American Journal of Agricultural Economics, Renewable Agriculture & Food Systems, Applied Economics Perspectives and Policy, Journal of Agricultural and Applied Economics

Professional Service

- Selection Committee, Undergraduate Teaching Award Less than Ten Years, Western Agricultural Economics Association, 2021
- Topic Leader for Production Economics, Annual Meeting Selected Presentations, Agricultural and Applied Economics Association, 2019 & 2020
- Judge, Case Study Competition, Agricultural and Applied Economics Association, 2022
- Reviewer, Annual Meeting Selected Presentations, Agricultural and Applied Economics Association, 2021, 2022, & 2023
- Reviewer, Annual Meeting Selected Presentations, Western Agricultural Economics Association, 2023
- Reviewer, Annual Meeting Selected Presentations, Western Extension Committee, 2023
- Moderator, Annual Meeting, Western Agricultural Economics Association, 2019, 2022, 2023
- Presenter, CSU College of Agricultural Sciences, Ag Industry Leadership Council, 2023

Service with External Partners

- Program Organizer, DARE Connects (teaching outreach to High School educators), 2023
- Member, Planning Committee, National Farm Business Management Conference, 2022
- Participant, Benchmark Leader Meetings, Center for Farm Financial Man., 2018 & 2019

MEDIA AND POPULAR PRESS (RECENT YEARS)

- *Colorado Politics*. “Water Conservation Takes Center Stage at 2025 Colorado Water Congress in Steamboat Springs.” August 20, 2025. Available online at: <https://www.coloradopolitics.com/2025/08/20/water-conservation-takes-center-stage-at-2025-colorado-water-congress-in-steamboat-springs/>
- *The Colorado Sun*. “Colorado River Water Conservation Program Remains Stalled in US House.” August 20, 2025. Available online at: <https://coloradosun.com/2025/08/20/colorado-river-water-conservation-scpp-farms-ranches/>
- *Rocky Mountain Collegian*. “Harvesting Solar Energy, Crops: CSU Researches Agrivoltaics Possibilities.” February 27, 2025. Available online: <https://collegian.com/articles/featured/2025/02/category-science-harvesting-solar-energy-and-crops-csu-researches-agrivoltaics-possibilities/>
- *Rocky Mountain Collegian*. “Winter pea research indicates diverse benefits.” October 21, 2024. Available online: <https://collegian.com/articles/featured/2024/10/category-science-winter-pea-research-indicates-diverse-potential-benefits/>
- *Water Education Colorado*. “Myth: Cutting agricultural water use in Colorado could prevent looming water shortages. But is it worth the cost?” October 3, 2024. Available online: <https://watereducationcolorado.org/fresh-water-news/colorado-agricultural-water-use-shortages/#/>
- *CSU Source*. “Can growing peas in the winter help the Colorado River?” March 7, 2024. Available online: <https://source.colostate.edu/growing-peas-help-colorado-river/>
- *The Colorado Sun*. “Are low-water crops a realistic way to cut back on Colorado water use? 10 southwestern farmers are trying to find out.” April 24, 2024. Available online: <https://coloradosun.com/2024/04/24/colorado-farmers-challenging-market-low-water-crops/>
- *Denver Post*. “Beef industry benefiting from high cattle prices, and despite inflation consumer demand remains strong” January 14, 2024. Available online: <https://www.denverpost.com>

- [com/2024/01/15/colorado-ranchers-high-cattle-prices-beef/](https://coloradosun.com/2024/01/15/colorado-ranchers-high-cattle-prices-beef/)
The Colorado Sun. “You think a pound of beef is expensive? Wait until you hear what it costs to produce it in Colorado.” December 19, 2023. Available online: <https://coloradosun.com/2023/12/19/cost-of-beef-increase-colorado/>
- *High Plains Journal*. “Study shows premium in cattle from BQA certified producers.” August 4, 2019. Available online: https://www.hpj.com/livestock/study-shows-premium-in-cattle-from-bqa-certified-producers/article_49359d59-2d5e-52f0-be16-79ccb5f7f613.html
- *Beef Magazine*. “Yes, there’s a premium for BQA-certified cattle.” Beef Editors Blog. July 31, 2019. Available online: <https://www.beefmagazine.com/beef-quality/yes-there-s-premium-bqa-certified-cattle>
- *Hemp Benchmarks*. “New USDA Guidelines for Loans to Hemp Businesses, Explained.” May 20, 2020. Available online at: <https://www.hempbenchmarks.com/hemp-market-insider/usda-guidelines-for-loans-to-hemp-businesses/>
- *Cannabis Business Times*. “A Look at USDA’s Guidance on Hemp Producer Loans.” May 21, 2020. Available online at: <https://www.hempgrower.com/article/usda-farm-service-agency-loans-hemp-benchmarks-daniel-mooney-csu/>

HONORS AND AWARDS

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| 2025 | Outstanding Teaching Award (Less than 10 Years), Western Agricultural Economics Association |
| 2023 | Charles N. Shepardson Faculty Teaching Award Under 10 Years, College of Agricultural Sciences, Colorado State University |
| 2021 | Summit Team Research Award, College of Agricultural Sciences, Colorado State University |
| 2013 | Louis and Elsa Thomsen Wisconsin Distinguished Graduate Fellowship, College of Agricultural and Life Sciences, University of Wisconsin-Madison |
| 2008 | Outstanding Masters Thesis Award (Honorable Mention). Agricultural and Applied Economics Association |
| 2007 | Best M.S. Thesis Award, Department of Agricultural, Food, and Resource Economics, Michigan State University |
| 2005 | Outstanding Service Award, U.S. Peace Corps, Panama Country Office |
| 2001 | Holstrom Undergraduate Fellowship, Institute of Environmental Studies, University of Wisconsin-Madison |