

# ANTON BEKKERMAN

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## EDUCATION

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### **North Carolina State University, 2009**

**Raleigh, NC**

*Doctorate in Economics*

- Major specialization in agricultural economics
- Concentrations in econometrics and industrial organization
- Dissertation Title: *An Investigation of Spatial and Temporal Concepts in U.S. Corn and Soybean Markets.*

### **North Carolina State University, 2007**

**Raleigh, NC**

*Masters in Economics*

### **Loyola College in Maryland, 2005**

**Baltimore, MD**

*Bachelors of Business Administration, summa cum laude*

- Major concentration in Business Economics
- Minors in Computer Science and Mathematical Sciences
- Loyola College Honors Program
- Sellinger Business School Scholars (Honors) Program

## PROFESSIONAL EXPERIENCE

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**2009–Present**

**Montana State University**

**Bozeman, MT**

*Associate Professor, Dept. of Agricultural Economics and Economics, 2015–*

*Assistant Professor, Dept. of Agricultural Economics and Economics, 2009–2015*

**2018–Present**                      **Montana Agricultural Experiment Station**                      **Bozeman, MT**  
*Associate Director*

**2016–Present**    **Center for Regulation & Applied Economics Analysis**    **Bozeman, MT**  
*Research Fellow*

**2007–2009**                                      **SAS Institute, Inc.**                                      **Cary, NC**  
*Technical Student/Programmer in the Econometrics/Time Series group*

## PROFESSIONAL AND RESEARCH INTERESTS

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- Grain market analyses
- Spatio-temporal analyses of markets, prices, and risks
- Agribusiness and farm management, production economics
- Applied econometrics
- Multidisciplinary research, cropping systems

## REFEREED PUBLICATIONS

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### *Agricultural Marketing, Price, and Policy Analysis*

1. Bekkerman, A., E. Belasco, and V. Smith. “Does Size Matter? Distribution of Crop Insurance Subsidies and Government Program Payments Across U.S. Farms.” Forthcoming in *Applied Economics Perspectives and Policy*.
2. Bekkerman, A., and D. Weaver. 2018. “Modeling Joint Dependence of Invasive Pests: The Case of the Wheat Stem Sawfly.” *Journal of Agricultural and Resource Economics*. **42**(2)
3. Bekkerman, A., and H. Tejada. 2017. “Revisiting the Determinants of Futures Contract Success: The Role of Market Participants.” *Agricultural Economics*. **48**:175–185.
4. Bekkerman, A., G. Brester, and M. Taylor. 2016 “Forecasting a Moving Target: The Roles of Quality and Timing for Determining Northern U.S. Wheat Basis.” *Journal of Agricultural and Resource Economics*. **41**(1):25-41.
5. Bekkerman, A., E. Belasco, and A. Watson.\*;† 2015. “Decoupling Direct Payments: Potential Impacts of the 2014 Farm Bill on Farm Debt.” *Agricultural Finance Review*. **75**(4):434-449 (lead article).

6. Jefferson-Moore, K., A. Bekkerman, N. Piggott, B. Goodwin, S. Palat, and C. Turner. 2015. "Potential check-off benefits to farmers in the presence of wind-borne diseases." *Journal of Agricultural Extension and Rural Development*. **7**(5):176-177.
7. Bekkerman, A., H. Schweizer, and V. Smith.<sup>\*,†</sup> 2014. "The Impacts of the Canadian Wheat Board Ruling on the North American Malt Barley Markets." *Canadian Journal of Agricultural Economics*. **62**(4):619-645.
8. Bekkerman, A. 2013. "The Changing Landscape of Northern Great Plains Wheat Markets." *Choices*. **28**(2).
9. Bekkerman, A., G. W. Brester and T. J. McDonald.<sup>†</sup> 2013. "A Semi-Parametric Approach to Analyzing Quality-Differentiated Agricultural Markets." *Journal of Agricultural and Applied Economics*. **45**(1):79-94.
10. Bekkerman, A., B. K. Goodwin, and N. E. Piggott. 2013. "A Variable Threshold Band Approach to Measuring Market Linkages." *Applied Economics*. **45**(19): 2705-2714.
11. Bekkerman, A., N. E. Piggott, B. K. Goodwin, and K. Jefferson-Moore. 2012. "A Market-Based Mitigation Program for Wind-Borne Diseases" *Agricultural and Resource Economic Review*. **41**(2):175-188.
12. Bekkerman, A., V. H. Smith, M. Watts.\* 2012. "The SURE Program and Incentives for Crop Insurance Participation: A Theoretical and Empirical Analysis." *Agricultural Finance Review*. **72**(3):381-401.
13. Bekkerman, A. 2011. "Time-Varying Hedge Ratios in Linked Agricultural Markets." *Agricultural Finance Review*. **71**(2):179-200.
14. McDonald, T., G. Brester, A. Bekkerman, and J. Patterson.<sup>†</sup> 2010. "Case Study: Searching for the Ultimate Cow: The Economic Value of Residual Feed." *Professional Animal Scientist*. **26**(6):655-660.
15. Bekkerman, A., B. K. Goodwin, and N. E. Piggott. 2008. "Spatio-Temporal Risk and Severity Analysis of Soybean Rust in the U.S." *Journal of Agricultural and Resource Economics*. **33**(3):311-331 (lead article).

### Cropping Systems

16. Lawrence, P., B. Maxwell, L. Rew, C. Ellis, and A. Bekkerman.<sup>†</sup> "Vulnerability of Dryland Agricultural Regimes to Economic and Climatic Change." Forthcoming in *Ecology and Society*.
17. John, A., C. Jones, S. Ewing, A. Sigler, A. Bekkerman, and P. Miller.<sup>†</sup> 2017. "Fallow Replacement in Dryland Wheat Cropping Systems to Increase Economic Returns and Improve Water Quality in Semi-Arid Central Montana." *Nutrient Cycling in Agroecosystems*. **108**(3):279-296.
18. Chen, C., A. Bekkerman, R. Afshar, K. Neill. 2015. "Intensification of

Dryland Cropping System for Bio-feedstock Production: Evaluation of Agronomic and Economic Benefits of *Camelina sativa*.” *Industrial Crops and Products*. **71**(September):114–121.

19. Miller, P., A. Bekkerman, C. Jones, M. Burgess, J. Holmes, and R. Engel. 2015. “Pea in Rotation with Wheat Reduced Uncertainty of Economic Returns in Southwest Montana.” *Agronomy Journal*. **107**(2):541–550.
20. Burgess, M., P. Miller, C. Jones, and A. Bekkerman.<sup>†</sup> 2014. “Tillage of Cover Crops Affects Soil Water, Nitrogen, and Wheat Yield Components.” *Agronomy Journal*. **106**(4):1497–1508.
21. Chen, C., K. Neill, M. Burgess, and A. Bekkerman.<sup>†</sup> 2012. “Agronomic Benefit and Economic Potential of Introducing Fall-Seeded Pea and Lentil into Conventional Wheat-Based Crop Rotations.” *Agronomy Journal*. **104**(2):215–224.

#### Economics of Information & Education

22. Bekkerman, A., and G. Gilpin. 2016. “Crime and Punishment: The Role of Student Body Characteristics in Schools’ Disciplinary Behaviors.” *Applied Economics*. **48**(15):1402–1415.
23. Bekkerman, A., and G. Gilpin.\* 2015. “On Understanding Inconsistent Disciplinary Behavior in Schools.” *Applied Economics Letters*. **22**(10):772–776.
24. Bekkerman, A. 2015. “The Role of Simulations in Econometrics in Pedagogy.” *WIREs Computational Statistics*. **7**(March/April):160–165.
25. Bekkerman, A., and G. Gilpin.\* 2014. “Can Equitable Punishment be Mandated? Estimating Impacts of Sentencing Guidelines on Disciplinary Disparities.” *International Review of Law and Economics*. **40**(3):51–61.
26. Bekkerman, A., and J. Morgan.\*<sup>†</sup> 2014. “Coal Power Plant Emission Exposure and Its Effect on Education Access.” *Journal of Public Health*. **22**(4):313–321.
27. Bekkerman, A., and G. Gilpin.\* 2013. “High-Speed Internet Growth and the Demand for Locally Accessible Information Content.” *Journal of Urban Economics*. **77**:1–10 (lead article).
28. Gilpin, G., and A. Bekkerman.\* 2012. “Cost-Effective Hiring in U.S. High Schools: Estimating Optimal Teacher Quantity and Quality Decisions.” *Applied Economics Letters*. **19**(14):1421–1424.

*Note:* \* indicates that lead authorship is shared and <sup>†</sup> is work with former students.

## OTHER PUBLICATIONS

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- Bekkerman, A., E. Belasco, and V. Smith. “Where the Money Goes: The Distribution of Crop Insurance and Other Farm Subsidy Payments.” Reforming the Farm Bill, AEI, Washington, DC, January 2018.
- Bekkerman, A., and B. Karali. 2018. “The Evolving Dynamics of Commodity Markets: Introduction to a Journal of Agribusiness Special Issue.” *Journal of Agribusiness* 35(2):1–5.
- Maxwell, B., B. Weed, L. Ippolito, A. Bekkerman, M. Boone, M. Mills-Novoa, D. Weaver, M. Burrows, and L. Burkle. “Agricultural and Climate Change in Montana.” Chapter in *2017 Montana Climate Assessment*, Whitlock C., Cross W., Maxwell B., Silverman N., and Wade AA, eds. Bozeman and Missoula MT: Montana State University and University of Montana, Montana Institute on Ecosystems. September 2017.
- Bekkerman, A., and M. Taylor. “Influence of Shuttle Loaders on Grain Markets in Kansas and Montana.” Arthur Capper Cooperative Center Fact Sheet Series, Paper #10, August 2017.
- Ehmke, M., C. Jones-Ritten, B. Patalee, A. Bekkerman, K. Curtis, and C. Ehmke. “How Sweet Are Beekeeper Returns from Almond Pollination and Honey Production?” In proceedings of the 21st International Farm Management Congress, volume 1.
- Bekkerman, A. “Data-Driven Innovation: An Integrated Public-Private R&D Framework for the 21st Century.” In proceedings, Grain Elevators and Processors Society Exchange, March 2017.
- Fulbright, J., K. Wanner, A. Bekkerman, D. Weaver. Wheat Stem Sawfly Biology. Montana State University Extension, MontGuide (MT201107AG), March 2017.
- Miller, P., C. Jones, A. Bekkerman, J. Holmes. Short-term (2-yr) Effects of Crop Rotations and Nitrogen Rates on Winter Wheat Yield, Protein and Economics in North Central Montana. Montana State University Extension, Fertilizer Facts (No. 68), January 2015.
- Bekkerman, A. “Economic Impacts of the Wheat Stem Sawfly and an Assessment of Risk Management Strategies.” A report to the Montana Grains Foundation, Great Falls, MT, January 2014.
- Bekkerman, A., and G. Gilpin. “Understanding Cost-Effective Strategies for Increasing Technology and Internet Access in Montana Public Libraries.” A report to the Montana State Library, Helena, MT, August 2012.
- Watts, M. J., and A. Bekkerman. “Agricultural Disaster Aid Programs: A SURE Invitation to Wasteful Spending.” American Boondoggle: Fixing the 2012 Farm Bill, AEI, Washington, DC, July 2011.

## WORKING PAPERS

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### Agricultural Marketing, Price, and Policy Analysis

- Bekkerman, A., and M. Taylor. “Competing for Wheat in the Great Plains: Spatial Variation of Basis Across Elevator Types.” Revised manuscript submitted to the *Review of Industrial Organization*.
- Brester, G., A. Bekkerman, and G. Tonsor. “Separating Changes in Demand from Changes in Quantity Demanded: Untangling a Gordian Knot with Demand Indices.” Submitted for review.
- Bekkerman, A., and G. Brester. “The Price of (Cheap) Romance: A Salience Model of Consumer Choice under Quality Uncertainty.” Submitted for review.
- Bekkerman, A., T. Gumbley, and G. Brester. “Changing Dynamics of U.S. Fertilizer Markets.” Working paper.
- Bekkerman, A., and S. Mumford. “Tax Policy Impacts on Crafting the U.S. Craft Brewery Market.” Working paper.
- Bekkerman, A., and D. Grubb. “Quality Forecasting: Predicting When and How Much Markets Value Higher Protein Wheat.” Working paper.

### Cropping Systems

- Miller, P., C. Jones, A. Bekkerman, R. Engel, J. Holmes. “Agro-economic returns were reduced for four years after conversion from perennial forage.” Submitted for review.

### Economics of Information & Education

- Bekkerman, A., and J. Madariaga. “Trade Barriers, Domestic Distortions, and the Relative Price of Equipment.” Submitted for review.
- Bekkerman, A., and G. Gilpin. “Households’ Demand for Public Libraries.” In preparation for submission.

## PRESENTED PAPERS AND POSTERS

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- American Agricultural Economics Association (AAEA) Annual Meeting, Washington, D.C., August 2018.
- NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, Minneapolis, MN, April 2018.
- Economics seminar series at Washington State University, Pullman, WA, March 2018.

- American Agricultural Economics Association (AAEA) Annual Meeting, Chicago, IL, July 2017.
- NC-213 Conference on Marketing and Delivery of Quality Grains and BioProcess Coproducts, Kansas City, KS, February, 2017.
- NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, MO, April 2016.
- NC-213 Conference on Marketing and Delivery of Quality Grains and BioProcess Coproducts, Austin, TX, March, 2016.
- American Agricultural Economics Association (AAEA) Annual Meeting, San Francisco, CA, July 2015.
- Agricultural economics seminar series at Kansas State University, Manhattan, KS, July 2014.
- Western Agricultural Economics Association (WAEA) Annual Meeting, Colorado Springs, CO, June 2014.
- NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, MO, April 2014.
- International Wheat Stem Sawfly Conference, Bozeman, MT, April 3–4, 2014.
- Australian Agricultural and Resource Economics Society (AARES) Annual Meeting, Port Macquarie, Australia, February 2014.
- Western Users of SAS Software (WUSS) Conference, Las Vegas, NV, November 2013.
- Economics seminar series at Montana State University. Bozeman, MT, September 2013.
- NAREA Workshop on Beverage Marketing and Policy Issues, Ithaca, NY, June 2013.
- NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, MO, April 2013.
- Economics seminar series at Loyola University in Maryland, Baltimore, MD, October 2012.
- Invited speaker. Western Users of SAS Software (WUSS) Conference, Long Beach, CA, September 2012.
- American Agricultural Economics Association (AAEA) Annual Meeting, Seattle, WA, August 2012.
- Symposium organizer. Western Agricultural Economics Association (WAEA) Annual Meetings, Park City, UT, June 2012.
- NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, MO, April 2012.

- Western Agricultural Economics Association (WAEA) Annual Meeting, Banff, AB, June 2011.
- NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, MO, April 2011.
- Economics seminar series at Montana State University, Bozeman, MT, October 2010.
- American Agricultural Economics Association (AAEA) Annual Meeting, Denver, CO, July 2010.
- Economics seminar series at Montana State University, Bozeman, MT, June 2010.
- Seminar series at Economic Research Service (USDA), Washington, DC, April 2010.
- Australian Agricultural and Resource Economics Society (AARES) Annual Meeting, Adelaide, Australia, February 2010.
- Economics seminar series at Montana State University, Bozeman, MT, November 2009.
- American Agricultural Economics Association (AAEA) Annual Meeting, Milwaukee, WI, July 2009. *Finalist for Best Poster.*
- Agricultural Economics seminar series at North Carolina State University, Raleigh, NC, April 2009.
- USDA-ERS Program of Research on the Economics of Invasive Species Management (PREISM) Conference, Washington, DC, October 2008.
- American Agricultural Economics Association (AAEA) Annual Meeting, Orlando, FL, July 2008.
- Agricultural Economics seminar series at North Carolina State University, Raleigh, NC, April 2008.
- SCC-76: Economics and Management of Risk in Agriculture and Natural Resources, Gulf Shores, AL, March 2008.
- American Agricultural Economics Association (AAEA) Annual Meeting, Portland, OR, July 2007.

## GRANT ACTIVITY

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- Bekkerman, A. (Co-PI), with S. Arnold. “Growing the Agritourism Industry in Montana: Insight from Experts.” Specialty Crop Block Grant. \$83,983. 2018–2020.
- Bekkerman, A. (Co-PI), with K. Fuller. “Wheat Variety Survey.” Montana Wheat and Barley Committee. \$15,000. 2018.
- Bekkerman, A. (PI), with K. Fuller. “Improving Producers’ Access to Market Price and Basis Information.” Montana Wheat and Barley Committee. \$14,968. 2018. Principle



investigator, with K. Fuller.

- Bekkerman, A. “A Fertilizer Price Prediction Tool for the Northern Great Plains.” Montana Fertilizer Assessment Funds. \$15,700. 2017–2018. Project director.
- Bekkerman, A. “The Power of New Perspectives: Multidisciplinary Teaching Squares as an Instructional Development Tool.” Montana State University Instructional Innovation Grant. \$2,000. 2016–2017. Project director.
- Bekkerman, A. “Understanding State-level Impacts of the Emerging Pulse Crop Industry in Montana.” Montana Research Enhancement and Development Initiative. \$55,588. 2015–2016. Principle investigator. (Work is part of the project, “Increasing Profitability by Improving Efficiency of Montana’s Farm and Ranch Lands,” \$2,276,734).
- Bekkerman, A. (PI), with K. Fuller. “Improving Accuracy and Access to Crop Production Economics Decision Tools for Montana Grains Producers.” Montana Wheat and Barley Committee. \$16,187. 2015–2016. Principle investigator, with K. Fuller.
- “Connecting Agribusiness Managers with Students: Investing in Interactive Video Communication Technology.” College of Agriculture, Montana State University. \$7,500. 2015. Project director.
- Faculty Enhancement Grant. Montana State University. \$2,112. 2014–2015. Project director.
- “Economic Impacts of the Wheat Stem Sawfly and an Assessment of Risk Management Strategies.” Montana Grains Foundation. \$43,798. 2013–2014. Principle investigator.
- “Enhancing the Economic Viability of Camelina as a Bio-Feedstock: Optimization and Demonstration of the Production System and Bioproduct Development.” Biomass Research and Development Initiative (NIFA-USDA). \$5.08 million (MSU subcontract from Kansas State University of \$778,047). 2013-2016. Co-PI, with Chengci Chen.
- “Targeted Grazing to Reduce Tillage in Organic Dryland Systems: Environmental, Ecological, and Economic Assessment of Reintegrating Animal and Crop Production.” Organic Research and Extension Initiative (NIFA-USDA). \$978,794. 2012–2016. Co-PI, with F. Menalled et al.
- “Integration of Sheep into Dryland Organic Farming. Systems Level Evaluation of Impact of Targeted Grazing on Pest Management, Environmental Stewardship, Food Safety, and Economic Returns.” Organic Transition Grant (NIFA-USDA). \$742,907. 2011–2015. Co-PI, with P. Hatfield et al.
- “Integrated Management of Cereal Viruses.” Pest Management Alternatives Program (NIFA-USDA). \$213,658. 2012–2015. Co-PI, with M. Burrows et al.
- “The Changing Economics of Public Libraries: Understanding the Effects of Increasing Internet Access and Improving Libraries’ Effectiveness as Information Providers.” Institute of Museum and Library Science (IMLS). \$87,331. 2012–2015. Principle

investigator, with G. Gilpin.

- Faculty Development Award. Montana State University. \$4,000. 2012–2013.
- “Diversified Cropping Systems: High and Low Input Strategies.” \$15,000. 2012–2013. Co-PI, with P. Miller et al.
- Research Enhancement Award. Montana State University College of Letters and Sciences. \$1,705. 2012.
- “Understanding Cost-Effective Strategies for Increasing Internet Access in Montana Public Libraries.” Montana State Library. \$60,000. 2012. Principle investigator, with G. Gilpin.
- “Identifying the Factors and Interactions that Drive Agroecosystems Over Sustainability Thresholds.” EPSCoR. \$6,594. 2012. Co-PI, with B. Maxwell et al.
- Faculty Development Award. Montana State University. \$4,604. 2011–2012.
- “The Power of Knowledge: Reducing Informational Barriers for Montana, Idaho, and Washington Wheat Producers.” Federal-State Marketing Initiative Program (AMS-USDA). \$79,601. 2010–2012. Principle investigator, with G. Brester and M. Taylor.
- “Energetic, Economic, and Ecosystem Value of Annual Legumes in Semiarid Wheat-based Agroecosystems.” CSREES-USDA. \$59,823. 2010–2012. Co-PI, with P. Miller et al.
- Research Enhancement Award. Montana State University College of Letters and Sciences. \$2,156. 2011.
- “Agriculture in an Emerging Economy.” Montana Wheat and Barley Committee. \$10,000. 2010–2011. Project director.

*Total funds associated with all grant activities: \$3,202,073.*

*Total funds associated with grant activities as principle investigator: \$407,250*

## TEACHING EXPERIENCE

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- Economics of Agricultural Marketing (AGBE 321), 2009–
- Managerial Economics (ECNS 309), 2014–2017
- Research methods (ECNS 569), 2015–2016
- Agriculture in a Global Context (AGBE 315), 2010 (Ukraine); 2016 (France/Italy); 2018 (England/Scotland)
- Econometrics I (ECNS 561), 2010–2013
- Principles of Macroeconomics (ECNS 202), 2009

## TEACHING DEVELOPMENT

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- Higher Order Thinking and Critical Thinking: Research-Based Principles Online Teaching and Learning. MSU Center for Faculty Excellence Program. Bozeman, MT. April 2016.
- Session organizer and presenter: “Integrative learning in higher education.” American Agricultural Economics Association (AAEA) Annual Meeting, San Francisco, CA, July 2015.
- North American Colleges and Teachers of Agriculture Annual Meetings. Bozeman, MT. June 2014.
- Integrative learning course redesign workshop (6 sessions). MSU Teaching and Learning. March–May 2014.
- North American Colleges and Teachers of Agriculture Annual Meetings. Blacksburg, VA. June 2013.
- Effective use of mobile devices in the classroom. MSU Teaching and Learning Faculty Workshop. March 2013.
- Faculty pedagogical development series. MSU Teaching and Learning. October–November 2012.
- Web 2.0 tools. MSU Teaching and Learning Faculty Workshop. February 2012.
- Using brain-based techniques to promote student engagement in the classroom. MSU Teaching and Learning Faculty Workshop. January 2012.
- Advanced Interactive Methods in Economics. American Economic Association Continuing Education in Economics. Chicago, IL. January 2012.
- Developing Public Outreach Strategies for Your Grant Proposal. MSU Teaching and Learning Faculty Workshop. December 2011.
- American Economic Association Conference on Teaching Economics and Research in Economic Education. Palo Alto, CA. June 2011.
- Small Group Instructional Diagnosis (SGID). Montana State University. November 2010.

## OUTREACH AND SERVICE

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- Regular contributor to the [AgEconMT](#) blog and podcast series. (67 contributions since August 2016).
- Panelist, 2018 Annual Meeting of the Montana Department of Agriculture, Helena, MT, September 2018.

- “Insights from Futures Markets.” Montana Farm Service Agency presentation series. Recorded webinar for multiple locations. September 2018.
- “Why I love Economics.” Montana State University’s 125th Research Showcase, Bozeman, MT, February 2018.
- “Managing Barley Production in Uncertain Markets.” Barley Outlook Conference, Conrad, MT, February 2018.
- “2018 Pulse Market Outlook.” MonDak Pulse Conference, Wolf Point, MT, February 2018.
- “2018 Grains and Pulse Crop Outlook.” Northeast Montana Winter Series, Plentywood, MT, January 2018.
- [“Farm Finances in Distressed Wheat Markets.”](#) MSU Agricultural Economics Outlook Conference, Bozeman, MT, November 2017.
- “Mechanics and Uses of Basis.” Montana Farm Service Agency presentation series. Recorded webinar for multiple locations. October 2017.
- “Rotation Strategies for Wheat Pulse Systems.” 2017 Northeast Montana Pulse Plot Tour, Richland, MT, June 30, 2017.
- [“Economic Potential of Integrated Organic Systems: Where Are We Today?.”](#) MSU Field Day, Ft. Ellis, MT, June 2017.
- “A Researcher and a Podcast Walk Into a Bar: What Could Possibly Go Wrong?” 2017 NC-213 Annual Meetings, Kansas City, KS, March 1, 2017.
- “Data-Driven Innovation: An Integrated Public-Private R&D Framework for the 21st Century.” 2017 Grain Elevators and Processors Society Annual Conference, Kansas City, KS, February 28, 2017.
- “Management Strategies for the Good and Not-so-good Times.” 2017 Malt Barley and Sugarbeet Symposium, Billings, MT, January 10, 2017.
- [”All Roads Lead to Supply and Demand.”](#) Montana Seed Growers Association Annual Conference, Bozeman, MT, December 7, 2016.
- [”Cost of Production: A Brief Overview.”](#) Montana Grain Growers Association Annual Conference, Great Falls, MT, December 1, 2016.
- [”Montana’s Emerging Pulse Industry: Economic Opportunities and Infrastructure Challenges.”](#) MSU Ag Appreciation Weekend Annual Conference, Bozeman, MT, November 11, 2016.
- [“Ag R&D Investment: A Consistently Value-Adding Venture.”](#) MSU College of Agricultural Summit, Bozeman, MT, November 10, 2016.
- “Uses of ARMS and Agricultural Census Data.” Montana Agricultural Statistics Service, Bozeman, MT, February 19, 2016.

- “The Future of Ag Research: Producers as Drivers of Knowledge.” Yellowstone Watershed Sustainability Project, Billings, MT, February 17, 2016.
- “Costs of Production: A Quick Guide.” MT Northwestern Agricultural Research Center 2016 Crop Production Update Conference, Kalispell, MT, February 4, 2016.
- “Montana’s Role in Domestic and Global Agricultural Markets.” REAL Montana, Great Falls, MT, January 14, 2016.
- Bozeman Public Library bookmobile planning committee. 2015–2016.
- “Marketing Outlook 2015.” Montana Farm Bureau Association, Council of Presidents Meeting, Helena, MT, February 2015.
- “Connecting the Dots with Integrative Learning: Mapping the Terrain.” Faculty Excellence Workshop (Center for Faculty Excellence), Montana State University, January 2015.
- “Pricing and Value: Decisions to Protect Profitability.” Zoetis Animal Health, Chico, MT, January 2015.
- “Tools for Marketing Organic Products in Montana.” Montana Organic Growers Association, Great Falls, MT, December 2014.
- “Can Pigs Fly? Myth Busting with Economists.” Montana FFA John Deere Ag Expo, Bozeman, MT, November 2014.
- “You’ve Got Data, Now Use It: Innovative Methods for Better Understanding Public Library Use.” Montana Library Association, Billings, MT, April 2014.
- “Economic Impacts of the Wheat Stem Sawfly and an Assessment of Risk Management Strategies.” Montana Grain Growers Association, Great Falls, MT, December 2013.
- “The Economics of the Wheat Stem Sawfly.” MSU Agricultural Economics Outlook Conference, Bozeman, MT, October 2013.
- “Risky Business: Managing Agricultural Market Risks.” Young Agricultural Leadership Conference, Fairmont, MT, October 2013.
- “Economics of Camelina Markets.” Field Day at the Montana Central Ag Research Center, Moccasin, MT, July 2013.
- [Wheatbasis.montana.edu](http://Wheatbasis.montana.edu) Wheat basis forecast and information web-tool. Launched February 2013.
- “Uses of ARMS and Agricultural Census Data.” Montana Agricultural Statistics Service, Bozeman, MT, February 2013.
- “Changing Landscape of Northern Great Plains Markets.” Montana Agribusiness Association, Great Falls, MT, January 2013.
- “Improving Wheat Marketing.” Montana Grain Growers Association, Great Falls, MT, December 2012.

- “Acres and Elevators: Changes in the Conservation Reserve Program and the Grain Marketing Landscape.” MSU Agricultural Economics Outlook Conference, MT, October 2012.
- “Increasing High-speed Internet Access in Public Libraries.” Montana State Library Summer Institute, Helena, MT, June 2012.
- “Price Volatility in Commodity Markets.” MSU Agricultural Economics Outlook Conference, Bozeman, MT, October 2011.
- Invited discussant, Young Agricultural Leadership Conference, Lewistown, MT, October 2011.
- “Risk Management Tools.” MSU extension presentations, Ronan, MT; Townsend, MT; Big Timber, MT, Spring 2011.
- “Soybean Rust: A Real Threat.” Grain marketing workshop at the Vernon James Research and Extension Center, Plymouth, NC, January 2008.

## PROFESSIONAL ACTIVITY

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### Leadership Positions and Development

- Editor, *Journal of Agricultural and Resource Economics*, 2018–2020.
- Executive committee, Western Agricultural Economics Association, 2018–2020.
- Lead developer and administrator, AgEconMT.com outreach project and website, 2016–present.
- LEAD21, Class 13, 2017–2018.
- Co-chair, NCCC-134 Multistate Regional Committee on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, 2015–present.
- Chair, NC-213 Multistate Regional Committee on Marketing and Delivery of Quality Grains and BioProcess Coproducts, 2018–2019.
- Chair-elect, NC-213 Multistate Regional Committee on Marketing and Delivery of Quality Grains and BioProcess Coproducts, 2017–2018.
- Secretary, NC-213 Multistate Regional Committee on Marketing and Delivery of Quality Grains and BioProcess Coproducts, 2016–2017.
- Guest editor, *Journal of Agribusiness* special issue, 2016–2017.
- Developing Excellence in Academic Leadership (DEAL): leadership training for individuals in academic positions. 2015–2016.
- President, North American Branch AARES, 2012–14.

- Secretary/Treasurer, Food and Agricultural Marketing and Policy Section (AAEA), 2011–13.
- Secretary, Western Agricultural Economics Association, 2011–12.
- Secretary/Treasurer, North American Branch AARES, 2010–12.
- Council member, Western Agricultural Economics Association, 2010–12

#### Committee Work

- Montana Agricultural Land Valuation Advisory Council, MT Department of Revenue, 2016–.
- External reviewer, Academic programs in the Applied Economics Department, Utah State University. 2017.
- WAEA Outstanding Publication selection committee member, 2016.
- WAEA Distinguished Scholars selection committee member, 2011, 2012, 2015, 2016.
- AARES award selection committee, 2012–14.

#### Reviewer and Moderator Activity

- Reviewer for selected papers (Demand and Price Analysis, Risk and Uncertainty, Teaching and Learning), AAEA Annual Meeting, August 2018.
- Reviewer for selected papers (Demand and Price Analysis, Econometrics, Teaching and Learning), AAEA Annual Meeting, July 2017.
- Section leader for selected papers (Marketing and Price Analysis), WAEA Annual Meeting, June 2017.
- Reviewer for selected papers (Demand and Price Analysis, Econometrics), AAEA Annual Meeting, July 2016.
- Reviewer for selected papers, WAEA Annual Meeting, June 2016.
- Reviewer for selected papers (Demand and Price Analysis, Risk and Uncertainty), AAEA Annual Meeting, July 2015.
- Moderator at the NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, MO, April 2015.
- Moderator at the NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, MO, April 21-22, 2014.
- Grant reviewer for the USDA Federal-State Marketing Initiative Program, July 2013.
- Section leader for the Western Users of SAS Software Annual Meeting, November 2013.
- Moderator at the NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, MO, April 21-22, 2013.

- Reviewer for selected papers (Demand and Price Analysis), AAEA Annual Meeting, August 2013.
- Section leader and selected paper organizer for Risk and Uncertainty section, AAEA Annual Meeting, August 2013.
- Moderator for selected papers session (Risk & Uncertainty), AAEA Annual Meeting, August 2012.
- Section leader and selected paper organizer for Risk and Uncertainty section, AAEA Annual Meeting, August 2012.
- Reviewer for selected papers (Demand and Price Analysis; Risk and Uncertainty; Food and Agricultural Marketing; Research Methods and Econometrics), AAEA Annual Meeting, July 2011.
- Case Study Competition Judge, AAEA Annual Meeting, July 2010.
- Reviewer for selected papers (Demand and Price Analysis; Risk and Uncertainty), AAEA Annual Meetings, July 2010.
- Reviewer for selected papers, WAEA Summer Meeting, June 2010.
- Invited discussant, Program of Research on the Economics of Invasive Species Management (PREISM) Conference, Washington, DC, October 2009.
- Reviewer for selected papers (Demand and Price Analysis), AAEA Annual Meeting, July 2009.
- Moderator for selected papers session (Food & Agricultural Marketing), AAEA Annual Meeting, July 2009.
  
- Reviewer for:
  - *Agricultural and Resource Economics Review.*
  - *Agricultural Economics.*
  - *Agricultural Finance Review*
  - *Applied Economic Perspectives and Policy.*
  - *American Journal of Agricultural Economics.*
  - *Asia-Pacific Journal of Risk and Insurance.*
  - *Australian Journal of Agricultural and Resource Economics.*
  - *Canadian Journal of Agricultural Economics.*
  - *Canadian Journal of Plant Science.*
  - *China Agricultural Economics Review.*
  - *Choices.*



- *Computers and Electronics in Agriculture.*
- *Food Policy.*
- *Journal of Agricultural and Applied Economics.*
- *Journal of Agricultural and Resource Economics.*
- *Journal of Food Distribution Research.*
- *Journal of Natural Resources Policy Research.*
- *OALib Journal.*

#### DEPARTMENTAL AND UNIVERSITY SERVICE

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- DAEE resident instruction (undergraduate programs) committee, chair. 2016–.
- MSU University Research Council, member. 2014–2018.
- DAEE department head search committee, member. 2016–2017.
- DAEE advisory committee, member. 2015–2016.
- DAEE adjunct instructor search committee, member. 2017.
- DAEE agricultural economics scholarships, chair. 2009–2016.
- DAEE Promotion and Tenure committee, member. 2016.
- DAEE resident instruction (undergraduate teaching) committee, member. 2010–12, 2013–15.
- College of Agriculture scholarship selection committee, member. 2011–2017.
- Collegiate Young Farmers and Ranchers (undergraduate club), faculty adviser. 2011–2018.
- North American Colleges and Teachers of Agriculture (NACTA) Association Annual Meeting 2014 organization committee, member. 2012–14.

#### Undergraduate Research Adviser:

- Brence, M. “A Model of Optimal Beef Processing Facility Location in Montana.” Spring 2018.
- Ippolito, L. “Optimal Wheat Blending Strategies to Maximize Returns from Quality.” Spring 2018.
- Grubb, D. “Forecasting Wheat Protein Premiums in the northern Great Plains.” Spring 2017.

- Holst, V. “Evaluating and Enhancing Modern Outreach Efforts for Agricultural Economics Faculty.” Spring 2017.
- Field, C. “Supply Chain Responses to Pulse Crop Dynamics.” Research project and poster at Montana State University’s Student Research Celebration. April 2016.
- Smith, C. “Economic Potential in Emerging Northwest Wine Production Regions.” Research project and poster at Montana State University’s Student Research Celebration. April 2014.
- Wittmayer, A. “Identifying Relationships with Bull Health: A Data-driven Analysis.” Research project and poster at Montana State University’s Student Research Celebration. April 2012.

Masters Thesis Chair:

- Swanson, A. “Tax Policy Impacts on Price Setting Behaviors of Agricultural Cooperatives.” Dept. of Agricultural Economics and Economics. Projects completion Spring 2019.
- Gumbley, T. “Regional Price Relationships in U.S. Fertilizer Markets.” Dept. of Agricultural Economics and Economics. April 2018.
- Mumford, S. “An Empirical Analysis of The Impact of State Excise Taxes on Craft Breweries in the United States.” Dept. of Agricultural Economics and Economics. April 2014.
- Hasenoerhl, A. “Government Subsidies and their Impacts on Farmers’ Financial Stability and Land Concentration.” Co-chair. Dept. of Agricultural Economics and Economics. January 2014.
- Schweizer, H. “Economic Impacts of the Canadian Wheat Board Deregulation on Malt Barley Markets.” Co-chair. Dept. of Agricultural Economics and Economics. April 2013.
- Morgan, J. “Tracking the Little Black ‘Rain’ Clouds: An enviro-economic analysis of ambient air pollution effects on pediatric asthma.” Dept. of Agricultural Economics and Economics. January 2012.

Masters Thesis Committees:

- Boyd, M. “Factors Affecting Farm Businesses’ Crop Insurance Uptake Decisions.” Dept. of Agricultural Economics and Economics. Project completion, Spring 2019.
- Hintzman, T. “Drivers of Economic Success for Young and Beginning Montana Farmers and Ranchers.” Division of Agricultural Education. Projected completion, Spring 2019.

- Boldbaatar, M. “Valuation of Organic Land Assets.” Dept. of Agricultural Economics and Economics. June 2017.
- Simonds, S. “Implications of Rate Determining Parametric Variation and Copula Modeling on the Precision of Multiple Peril Crop Insurance Rates.” Dept. of Agricultural Economics and Economics. July 2015.
- John, A. “Management Approaches for Reducing Nitrate Leaching in the Judith River Basin.” Dept. of Land Resources and Environmental Sciences. July 2015.
- Bunek, G. “Characterizing the Effect of USDA Report Announcements in the Winter Wheat Futures Market Using Realized Volatility.” Dept. of Agricultural Economics and Economics. February 2015.
- Saunders, J. “Enrollment Responsiveness to Changes in Industry Employment Outlook at For-profit and Community Colleges.” Dept. of Agricultural Economics and Economics. December 2012.
- Goulding, K. “Analysis of New York Electric Markets.” Dept. of Agricultural Economics and Economics. January 2012.
- Brown, J. “Market Responses to the 2007 Renewable Fuel Standards Program: A three stage least squares approach.” Dept. of Agricultural Economics and Economics. November 2011.
- McDonald, T. J. “Searching for the Ultimate Cow: The Influence of RFI in the Beef Cattle Industry.” Dept. of Agricultural Economics and Economics. September 2010.

Ph.D. Thesis Committees:

- Lawrence, P. “Integrated Analysis and Optimization of a Dryland Wheat Agroecosystem.” Dept. of Land Resources and Environmental Sciences. May 2016.
- Burgess, M. “Sustainable Cropping Systems for the Northern Great Plains—Energetic and Economic Considerations.” Dept. of Land Resources and Environmental Sciences. April 2012.
- Mulder, D. Department of Chemistry and Biochemistry. Graduate school representative. October 2010.

## **ACADEMIC AND PROFESSIONAL HONORS**

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- The Andersons Early-in-Career Award, NC-213 Multistate Regional Committee on Marketing and Delivery of Quality Grains and BioProcess Coproducts. 2018.
- Montana State University Award of Excellence for contributions to academic excellence of an undergraduate student. 2018.

- WAEA Outstanding Extension Program Award, for Project (AgEconMT.com). 2017.
- Selected to represent MSU College of Agricultural in 2017/18 LEAD-21 program. 2016–2017.
- Developing Excellence in Academic Leadership Program (Montana State University). 2015–2016.
- Montana State University Certificate of Teaching Enhancement. 2013.
- Western Users of SAS Software (WUSS) Faculty Scholarship Award. 2012.
- Australian Agricultural and Resource Economics Society Young Professional Heading South Award. 2010.
- Nominated by the Department of Agricultural Economics for the Kenneth Keller Award for the best dissertation at the College of Agricultural and Life Sciences (N.C. State University). 2010.
- Nominated by the Department of Economics (N.C. State University) for the National CGS Distinguished Dissertation Award. 2010.
- Alpha Sigma Nu (Jesuit honor society). 2005.
- Wall Street Journal Student Achievement Award. 2005.
- Beta Gamma Sigma (Business honor society). 2004.
- Omicron Delta Epsilon (Economics honor society). 2004.
- Upsilon Pi Epsilon (Computer science honor society). 2003.

## PROFESSIONAL AFFILIATIONS

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- American Agricultural Economics Association (AAEA)
- Western Agricultural Economics Association (WAEA)
- North American Colleges and Teachers of Agriculture (NACTA)
- NCCC-134: Applied Commodity Price Analysis, Forecasting, and Market Risk Management
- NC-213: Marketing and Delivery of Quality Grains and BioProcess Coproducts

## COMPUTER AND PROGRAMMING SKILLS

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- Advanced knowledge of SAS, R, LaTeX, JMP Script
- Working knowledge of JAVA, C++, Unix/Linux, HTML, Perl, JavaScript, MATLAB, SaTScan

## LANGUAGES

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Fluent in English and Russian.