

ANTON BEKKERMAN

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EDUCATION

2005 – 2009 **North Carolina State University** **Raleigh, NC**

Doctorate in Economics

- Major specialization in Agricultural Economics
- Minors in Econometrics and Industrial Organization Economics
- Dissertation Title: "An Investigation of Spatial and Temporal Concepts in U.S. Corn and Soybean Markets."
- Co-chairs: Barry K. Goodwin and Nicholas E. Piggott

2005 – 2007 **North Carolina State University** **Raleigh, NC**

Masters of Economics

2001 - 2005 **Loyola College in Maryland** **Baltimore, MD**

Summa Cum Laude, Bachelors of Business Administration

- Major concentration in Business Economics
- Computer Science minor
- Mathematical Sciences minor
- Loyola College Honors Program
- Sellinger Business School Scholars Program (AACSB accredited)

PROFESSIONAL EXPERIENCE

August 2009 – Present **Montana State University** **Bozeman, MT**

Assistant Professor, Dept. of Agricultural Economics and Economics

- Research (50%), Teaching (40%), Service (10%)

November 2007 – July 2009 **SAS Institute, Inc.** **Cary, NC**

Technical Student in the Econometrics/Time Series group

- Program JMP scripts to create graphic user interfaces for various SAS/ETS procedures.
- Lead developer: PROC AUTOREG (Released in JMP v8.0.1, summer 2009)
- Other projects: PROC ARIMA; PROC QLIM; PROC PANEL

January 2007 – October 2007 **SAS Institute, Inc.** **Cary, NC**

Technical Student in the Business Analytics Department at Documentation & Publishing

- Analyzing, interpreting and writing documentation for SAS risk analysis software
- Risk Analysis Software: SAS OpRisk Monitor; SAS VaR; SAS Risk Dimensions; SAS Credit Risk for Banking

August 2005 – July 2009 **NC State University** **Raleigh, NC**

Research Assistant in the Department of Agricultural and Resource Economics

Duties included handling, interpreting and applying economic data in various empirical models

PROFESSIONAL AND RESEARCH INTERESTS

- Risk management and crop insurance
- Spatio-temporal analyses of markets, prices, and risks
- Agricultural policy
- Grain market analyses
- Applied econometrics and statistics

COMPUTER AND PROGRAMMING SKILLS

- Advanced knowledge of SAS, Microsoft Windows, Microsoft Office, LaTeX, JMP Script
- Familiarity and experience in JAVA, C++, Unix/Linux, HTML, Perl, JavaScript, MATLAB, R, SaTScan

TEACHING EXPERIENCE

- Econometrics I (ECNS 561)
- Economics of Agricultural Marketing (AGEC 321)
- Agriculture in an Emerging Economy (AGEC 315)
- Principles of Macroeconomics (ECNS 202)

PUBLICATIONS

- **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
- McDonald, T., G. Brester, **A. Bekkerman**, and J. Patterson. 2010. "Case Study: Searching for the Ultimate Cow: The Economic Value of Residual Feed." *Professional Animal Scientist*. **26**(6):655-660.
- **Bekkerman, A.** 2011. "Time-Varying Hedge Ratios in Linked Agricultural Markets." *Agricultural Finance Review* **71**(2):179-200.
- Chen, C., K. Neill, M. Burgess, and **A. Bekkerman**. 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.

- 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
- **Bekkerman, A.**, N. E. Piggott, B. K. Goodwin, and K. Jefferson-Moore. 2012. "A Market-based Mitigation Program for Wind-Borne Diseases" *Forthcoming in the Agricultural and Resource Economic Review*.
- **Bekkerman, A.**, B. K. Goodwin, and N. E. Piggott. "A Variable Threshold Band Approach to Measuring Market Linkages." *Forthcoming in Applied Economics*.
- **Bekkerman, A.**, V. H. Smith, M. Watts. "The SURE Program and Incentives for Crop Insurance Participation: A Theoretical and Empirical Analysis." *Forthcoming in the Agricultural Finance Review*.

OTHER PUBLICATIONS

- 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

- **Bekkerman, A.**, G.W. Brester and T. J. McDonald. "A Semi-Parametric Approach to Analyzing Quality-Differentiated Agricultural Markets." *Review and resubmit at the Journal of Agricultural and Applied Economics*.
- **Bekkerman, A.** and G. Gilpin. "The Internet and the Demand for Proprietary Information Resources: Investigating Impacts in U.S. Public Libraries." *Review and resubmit at the Journal of Urban Economics*.
- Jefferson-Moore, K., **A. Bekkerman**, B. K. Goodwin, N. E. Piggott, S. Palat, and C. Turner. "Potential Check-off Benefits to Farmers in the Presence of Wind-borne Disease." *Working paper*.
- Brown, J., **A. Bekkerman**, J. Atwood, and M. Watts. "An Assessment of Simultaneous Ethanol Policy Changes on U.S. Agricultural Markets." *Working paper*.
- Morgan, J., and **A. Bekkerman**. "Power plant emissions, pediatric asthma, and school attendance: An economic analysis with spatial identification." *Working paper*.
- **Bekkerman, A.** "An Empirical Analysis of Hiring Strategies in Public Libraries." *Working paper*.
- **Bekkerman, A.** "Identifying Spatio-Temporal Dependence of Agricultural Market Information." *Work in progress*.
- **Bekkerman, A.**, G.W. Brester, and M. Taylor. "Improving Wheat Basis Modeling in the Northern Great Plains and Pacific Northwest." *Work in progress*.
- **Bekkerman, A.**, and G.W. Brester. "The Price of Romance: Estimating the Willingness to Pay for Corked Wine Bottles." *Work in progress*.
- **Bekkerman, A.**, and K. Collett-Schmitt. "Personal Protection Moral Hazard Effects from Changes in Police Funding." *Work in progress*.

PRESENTED PAPERS

- American Agricultural Economics Association (AAEA) annual meetings. July 2007.
- SCC-76, Economics and Management of Risk in Agriculture and Natural Resources conference, March 2008.
- Agricultural Economics Seminar series at North Carolina State University. April 2008.
- American Agricultural Economics Association (AAEA) annual meetings. July, 2008.
- USDA-ERS Program of Research on the Economics of Invasive Species Management (PREISM) conference. October 2008.

- Agricultural Economics Seminar series at North Carolina State University. April 2009.
- American Agricultural Economics Association (AAEA) annual meetings. July 2009. (Finalist for Best Poster Award).
- Economics seminar series at Montana State University. November 2009.
- Australian Agricultural and Resource Economics Society (AARES) annual meetings. February 2010.
- Economic Research Service (USDA) seminar series. April 2010.
- Economics seminar series at Montana State University. June 2010.
- American Agricultural Economics Association (AAEA) annual meetings. July 2010.
- Economics seminar series at Montana State University. October 2010.
- NCCC-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management meetings. April 2011.
- Western Agricultural Economics Association (WAEA) annual meetings. June 2011.

OUTREACH AND OTHER SERVICE ACTIVITY

- Bekkerman, A. "Soybean Rust: A Real Threat." Presented for a grain marketing workshop at the Vernon James Research and Extension Center. January 2008.
- MSU Extension presentation on Risk Management Tools, Spring 2011: Ronan, MT; Townsend, MT; Big Timber, MT.
- Led international experience trip for AGEC 315 students to Ukraine. May 2011.
- Invited discussant at the 2011 Young Agricultural Leadership Conference. October 2011.
- Presented on price volatility in commodity markets at 2011 Ag Appreciation Weekend (135 registered attendees).

PROFESSIONAL ACTIVITY

- Secretary/Treasurer, North American Branch AARES. 2010-12.
- Secretary, Western Agricultural Economics Association. 2011-12.
- Secretary/Treasurer, Food and Agricultural Marketing and Policy Section (AAEA). 2011-13.
- Reviewer for Journal of Natural Resources Policy Research
- Reviewer for Journal of Agricultural and Applied Economics
- Reviewer for Agricultural Economics
- Reviewer for Journal of Agricultural and Resource Economics
- Reviewer for Journal of Food Distribution Research
- Invited discussant at the 2009 Program of Research on the Economics of Invasive Species Management (PREISM) conference. Economic Research Service (USDA), Washington, D.C.
- Reviewer for Selected Papers (Demand and Price Analysis) 2009 AAEA annual meetings, Milwaukee, WI.
- Moderator for Selected Papers Session (Food & Agricultural Marketing). 2009 AAEA annual meetings, Milwaukee, WI.
- Judge at Case Study Competition at the AAEA annual meetings, 2010.
- Reviewer for Selected Papers (Demand and Price Analysis; Risk and Uncertainty) 2010 AAEA annual meetings, Denver, CO.

- Reviewer for Selected Papers (Demand and Price Analysis; Risk and Uncertainty; Food and Agricultural Marketing; Research Methods and Econometrics) 2011 AAEA annual meetings, Pittsburgh, PA.
- Reviewer for Selected Papers. 2010 WAEA Summer Meetings, Banff, Alberta.
- Section leader and selected paper organizer for the Risk and Uncertainty section at the 2012 AAEA annual meetings.
- WAEA Distinguished Scholars selection committee member. 2011; 2012.
- AARES Award Selection Committee. 2012.

GRANTS

- "Energetic, Economic, and Ecosystem Value of Annual Legumes in Semiarid Wheat-based Agroecosystems." **A. Bekkerman** (Co-PD; taken over for David Buschena) with P. Miller. (CSREES-USDA). \$59,823. 2010-2012.
- "The Power of Knowledge: Reducing Informational Barriers and Identifying Value-Added Marketing Opportunities for Montana, Idaho, and Washington Wheat Producers." **A. Bekkerman (PI)** with G. W. Brester and M. Taylor. FSMIP (AMS-USDA). \$79,601. 2010-2012.
- "Agriculture in an Emerging Economy." **A. Bekkerman (PI)** with M.J. Watts and V.H. Smith. Montana Wheat and Barley Committee. \$10,000. 2010-2011.
- Research Enhancement Award. **A. Bekkerman**. MSU College of Letters and Sciences. \$2,156. 2011.
- Faculty Development Award. **A. Bekkerman**. Montana State University. \$4,604. 2011-2012.
- "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." **A. Bekkerman (Co-PI)** with F. Menalled, P. Hatfield, P. Miller, D. Weaver, M. Burrows, R. Engel, J. Boles, Z. Miller, A. Stone. OREI (NIFA-USDA). \$742,907. 2011 – 2015.
- Research Enhancement Award. **A. Bekkerman**. MSU College of Letters and Sciences. \$1,705. 2012.
- "Identifying the factors and interactions that drive agroecosystems over sustainability thresholds." **A. Bekkerman (Co-PI)** with B. Maxwell, L. Rew, J. Barroso, and C. Whitlock. EPSCoR. \$6,594. 2012.
- "Understanding cost-effective strategies for increasing Internet access in Montana Public Libraries." **A. Bekkerman (Co-PI)** with Gregory Gilpin. Montana State Library. \$60,000. 2012.

DEPARTMENTAL AND UNIVERSITY SERVICE

- DAEE selection committee for agricultural economics scholarships.
- DAEE resident instruction (undergraduate teaching) committee.
- College of Agriculture scholarship selection committee.
- Adviser to the Collegiate Young Farmers and Ranchers (undergraduate club)
- Adviser to the Graduate Economics Students Club

Master's Thesis Committees:

- 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.
- 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.
- Goulding, K. "Analysis of New York Electric Markets." January 2012.

Master's Thesis Chair:

- Morgan, J. "Tracking the Little Black 'Rain' Clouds: An enviro-economic analysis of ambient air pollution effects on pediatric asthma." January 2012.
- Schweizer, H. "Economic Impacts of the Canadian Wheat Board Deregulation on Malting Barley Markets." Expected completion January 2013.

Ph.D. Thesis Committees:

- Mulder, D.W. Department of Chemistry and Biochemistry. *Graduate school representative.* October 2010.
- Burgess, M. Department of Land Resources and Environmental Sciences. April 2012.
- Lawrence, P. Department of Land Resources and Environmental Sciences. Expected completion Summer 2014.

TEACHING DEVELOPMENT

- Small Group Instructional Diagnosis (SGID). Montana State University. November 2010.
- American Economic Association Conference on Teaching Economics and Research in Economic Education. June 2011.
- MSU Teaching and Learning Faculty Workshop: Developing Public Outreach Strategies for Your Grant Proposal. December 2011.
- American Economic Association Continuing Education in Economics: Advanced Interactive Methods in Economics. January 2012.
- MSU Teaching and Learning Faculty Workshop: Using brain-based techniques to promote student engagement in the classroom. January 2012.
- MSU Teaching and Learning Faculty Workshop: Web 2.0 tools. February 2012.

ACADEMIC HONORS

- AARES Young Professional Heading North 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.
- Omicron Delta Epsilon (Economics honor society)
- Upsilon Pi Epsilon (Computer science honor society)
- Beta Gamma Sigma (Business honor society)
- Alpha Sigma Nu (Jesuit honor society)
- Wall Street Journal Student Achievement Award. 2005.

PROFESSIONAL AFFILIATIONS

- American Agricultural Economics Association (AAEA)
- Western Agricultural Economics Association (WAEA)
- Australian Agricultural and Resource Economics Society (AARES)

LANGUAGES

- Superior grammar, speech, writing, reading and communication skills in both English and Russian