

JOHN BOVAY

Department of Agricultural and Resource Economics
University of Connecticut
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CURRENT POSITION

University of Connecticut, Storrs 2016–present
Assistant Professor, Department of Agricultural and Resource Economics
Appointment: 60% extension, 25% research, 15% teaching
Affiliate, Institute for Collaboration on Health, Intervention, and Policy

EDUCATION

Ph.D., University of California, Davis 2014
Department of Agricultural and Resource Economics
B.A. *magna cum laude*, Washington and Lee University, Lexington, Virginia 2007
Majors: Mathematics and Politics

PROFESSIONAL EXPERIENCE

Economic Research Service, USDA, Washington, D.C. 2014–2016
Research Agricultural Economist, Food Economics Division
University of California, Davis 2010–2014
Graduate Student Researcher
Teaching Assistant for Undergraduate Courses 2009–2010
Abt Associates, Inc., Bethesda, Maryland 2007–2009
Research Associate, Environment and Resources Division

PEER-REVIEWED JOURNAL ARTICLES

6. **Bovay, J.**, and D.A. Sumner. “Animal Welfare, Ideology, and Political Labels: Evidence from California’s Proposition 2 and Massachusetts’ Question 3.” *Journal of Agricultural and Resource Economics*, forthcoming.
5. **Bovay, J.**, and D.A. Sumner. “Economic Effects of the U.S. Food Safety Modernization Act.” *Applied Economic Perspectives and Policy*, 40(3):402–420.
4. **Bovay, J.**, and J.M. Alston. 2018. “GMO Food Labels in the United States: Economic Implications of the New Law.” *Food Policy* 78:14–25.
3. Ollinger, M., and **J. Bovay**. 2018. “Pass or Fail: Economic Incentives to Supply Safe Meat to the National School Lunch Program.” *American Journal of Agricultural Economics* 100(2):414–433.
2. **Bovay, J.** 2017. “Demand for collective food-safety standards.” *Agricultural Economics* 48(6):793–803.
1. **Bovay, J.**, and J.M. Alston. 2016. “GM Labeling Regulation by Plebiscite: Analysis of Voting on Proposition 37 in California.” *Journal of Agricultural and Resource Economics* 41(2):161–188 [lead article]. Winner, Outstanding Journal Article, *JARE*, 2016.

PEER-REVIEWED RESEARCH REPORTS

7. **Bovay, J.**, P. Ferrier, and C. Zhen. 2018. “Estimated Costs for Fruit and Vegetable Producers To Comply With the Food Safety Modernization Act’s Produce Rule.” Economic Information Bulletin Number 195, U.S. Department of Agriculture, Economic Research Service.
6. Kuchler, F., C. Greene, M. Bowman, K.K. Marshall, **J. Bovay**, and L. Lynch. 2017. “Beyond Nutrition and Organic Labels—30 Years of Experience With Intervening in Food Labels.” Economic Research Report Number 239, U.S. Department of Agriculture, Economic Research Service.
5. Ollinger, M., J. Wilkus, M. Hrdlicka, and **J. Bovay**. 2017. “Public Disclosure of Tests for Salmonella: The Effects on Food Safety Performance in Chicken Slaughter Establishments.” Economic Research Report Number 231, U.S. Department of Agriculture, Economic Research Service.
4. **Bovay, J.** 2016. “FDA Refusals of Imported Food Products by Country and Category, 2005–2013.” Economic Information Bulletin Number 151, U.S. Department of Agriculture, Economic Research Service.
3. Ollinger, M., **J. Bovay**, C. Benicio, and J. Guthrie. 2015. “Economic Incentives to Supply Safe Chicken to the National School Lunch Program.” Economic Research Report Number 202, U.S. Department of Agriculture, Economic Research Service.
2. Ollinger, M., J. Guthrie, and **J. Bovay**. 2014. “The Food Safety Performance of Ground Beef Suppliers to the National School Lunch Program.” Economic Research Report Number 180, U.S. Department of Agriculture, Economic Research Service.
1. **Bovay, J.**, and D.A. Sumner. 2013. “How does the Food Safety Modernization Act Affect Farms and Food Marketing Firms?” OreCal Issues Brief No. 007, Oregon State University & University of California, Davis.

WORKING PAPERS

3. Ollinger, M., and **J. Bovay**. “Producer response to public disclosure of food-safety information.” Invited for resubmission to *American Journal of Agricultural Economics*.
2. Ferrier, P., C. Zhen, and **J. Bovay**. “Price and Welfare Effects of the Food Safety Modernization Act Produce Safety Rule.” Under review.
1. **Bovay, J.**, and W. Zhang. “A Century of Profligacy? A Historical Review of the Measurement of Food Waste.” Under review.

OTHER WORKS IN PROGRESS

4. **Bovay, J.** “Unraveling and strategic attention to product quality.”
3. Getchis, T.L., M.R. Kelly, A.P. Concepcion and **J. Bovay**. “Public knowledge, perceptions, and preferences towards Connecticut Wild-Caught and Farmed Seafood.”
2. **Bovay, J.**, R. Croog#, and Y. Tian#. “Consumer preferences for locally-produced aquaculture in Connecticut.”
1. Khanal, B.*, and **J. Bovay**. “Impact of the Flint Water Crisis on Demand for Bottled Water in the United States.”
M.S. student * Ph.D. student

OUTREACH PUBLICATIONS AND MULTIMEDIA

18. Boehm, R., and **J. Bovay**. 2018. “Consumer Purchases of Locally-Grown Food and Farm Products in Connecticut: Update 2015.” Outreach Report No. 52, Zwick Center for Food and Resource Policy, University of Connecticut.
17. **Bovay, J.** 2018. “Connecticut Milk Cost of Production Estimates for April, May, and June 2018.” Outreach Report No. 51, Zwick Center for Food and Resource Policy, University of Connecticut.

16. **Bovay, J.** 2018. "What are GMOs? A Primer for FDA and USDA Labeling." University of Connecticut. https://www.youtube.com/watch?v=xeyyyENJK_k. Script and narration.
15. **Bovay, J.** 2018. "Connecticut Milk Cost of Production Estimates for January, February, and March 2018." Outreach Report No. 50, Zwick Center for Food and Resource Policy, University of Connecticut.
14. **Bovay, J.** 2018. "Connecticut Milk Cost of Production Estimates for October, November, and December 2017." Outreach Report No. 49, Zwick Center for Food and Resource Policy, University of Connecticut.
13. Kuchler, F., C. Greene, M. Bowman, K.K. Marshall, **J. Bovay**, and L. Lynch. 2017. "Federal Nutrition and Organic Labels Paved the Way for Single-Trait Label Claims." *Amber Waves*, U.S. Department of Agriculture, Economic Research Service.
12. **Bovay, J.** 2017. "GMO Labeling." Science of GMOs website, College of Agriculture, Health, and Natural Resources, University of Connecticut. <https://gmo.uconn.edu/topics/gmo-labeling/>
11. **Bovay, J.** 2017. "Connecticut Milk Cost of Production Estimates for July, August, and September 2017." Outreach Report No. 48, Zwick Center for Food and Resource Policy, University of Connecticut.
10. **Bovay, J.** 2017. "Connecticut Milk Cost of Production Estimates for April, May, and June 2017." Outreach Report No. 47, Zwick Center for Food and Resource Policy, University of Connecticut.
9. **Bovay, J.**, J. Meader, and A. Fargo-Johnson. 2017. "On-Farm Renewable Energy and Energy Efficiency Considerations." College of Agriculture, Health, and Natural Resources, University of Connecticut. 350 copies printed.
8. Fargo-Johnson, A., J. Meader, **J. Bovay**, and S. Stearns (production specialists). 2017. Series of four videos on Connecticut farm energy production and conservation. University of Connecticut Extension. <http://s.uconn.edu/farmenergy>
7. **Bovay, J.** 2017. "Connecticut Milk Cost of Production Estimates for January, February, and March 2017." Outreach Report No. 46, Zwick Center for Food and Resource Policy, University of Connecticut.
6. **Bovay, J.** 2017. "Implications of the Food Safety Modernization Act for Northeastern Farmers." *Northeast Agriculture Insights & Perspectives 2017*, Farm Credit East.
5. **Bovay, J.** 2017. "Connecticut Milk Cost of Production Estimates for October, November, and December 2016." Outreach Report No. 45, Zwick Center for Food and Resource Policy, University of Connecticut.
4. **Bovay, J.** 2016. "Implications of the Food Safety Modernization Act for Northeast Farmers." *Knowledge Exchange Partner*, Volume 10, Issue 12, December 2016, Farm Credit East.
3. **Bovay, J.** 2016. "Connecticut Milk Cost of Production Estimates for July, August, and September 2016." Outreach Report No. 44, Zwick Center for Food and Resource Policy, University of Connecticut.
2. **Bovay, J.** 2016. "Patterns in Food Import Refusals Highlight Most Frequently Detected Problems." *Amber Waves*, U.S. Department of Agriculture, Economic Research Service.
1. **Bovay, J.**, and M. Ollinger. 2015. "Strict Standards Nearly Eliminate Salmonella from Ground Beef Supplied to Schools." *Amber Waves*, U.S. Department of Agriculture, Economic Research Service.

CONFERENCE PRESENTATIONS AND INVITED SEMINARS

Speaker(s) in italics.

23. **Bovay, J.** Departmental Seminar, Department of Applied Economics, University of Minnesota. April 10, 2019. Invited presentation (scheduled).
22. **Bovay, J.** "Unraveling and strategic attention to product quality." Departmental Seminar, Department of Agricultural and Resource Economics, University of Connecticut. November 28, 2018. Invited presentation (scheduled).

21. **Bovay, J.**, and M. Ollinger. “Producer response to public disclosure of food-safety information.” Agricultural Economics Workshop, Department of Agricultural and Resource Economics, University of California, Davis, September 19, 2018. Invited presentation.
20. Ferrier, P., C. Zhen, and **J. Bovay**. “Price and Welfare Effects of the Food Safety Modernization Act Produce Safety Rule.” 30th International Conference of Agricultural Economists, Vancouver. July 31, 2018. Selected presentation.
19. **Bovay, J.**, and M. Ollinger. “Producer response to public disclosure of food-safety information.” 30th International Conference of Agricultural Economists, Vancouver. July 30, 2018. Selected presentation.
18. **Bovay, J.**, and J.M. Alston. “GMO Food Labels in the United States: Economic Implications of the New Law.” Departmental Seminar, Department of Economics, Washington and Lee University, September 18, 2017. Invited presentation.
17. *Ajay, D., J. Bovay, and S. Siu*. “Shepherd Career Connections.” Shepherd Program for the Interdisciplinary Study of Poverty and Human Capability, Washington and Lee University, September 15, 2017. Invited colloquium.
16. **Bovay, J.**, and W. Zhang. “A Century of Profligacy? The ‘Food-Waste Problem’, 1917–2017.” Presented at the Agricultural & Applied Economics Association annual meeting, Chicago, August 1, 2017. Food Safety and Nutrition Section Track Session.
15. **Bovay, J.**, and J.M. Alston. “GMO Food Labels in the United States: Economic Implications of the New Law.” Agricultural Economics Workshop, Department of Agricultural and Resource Economics, University of California, Davis, May 18, 2017. Invited presentation.
14. **Bovay, J.** “Economic Effects of the U.S. Food Safety Modernization Act.” Departmental Seminar, Department of Agricultural and Resource Economics, University of Connecticut, November 4, 2016. Invited presentation.
13. Ferrier, P., C. Zhen, and **J. Bovay**. “Cost Pass Through and Welfare Effects of the Food Safety Modernization Act.” Presented at the Agricultural & Applied Economics Association annual meeting, August 1, 2016, Boston. Selected presentation.
12. **Bovay, J.**, and J.M. Alston. “GM Labeling Regulation by Plebiscite: Analysis of Voting on Proposition 37 in California.” Departmental Seminar, Department of Agricultural and Resource Economics, University of Connecticut, January 11, 2016. Invited presentation.
11. **Bovay, J.** “Regulation of Production Practices and Product Attributes: Farm Animal Welfare and Food Safety.” Food Distribution Research Society annual meeting, Philadelphia, October 12, 2015. Dissertation Presentation, invited.
10. **Bovay, J.**, P. Ferrier, and C. Zhen. “Implementing FSMA Produce Rules: Cost Variation by Commodity and Region.” Presented at the Agricultural & Applied Economics Association and Western Agricultural Economics Association joint annual meeting, July 27, 2015, San Francisco. Applied Risk Analysis/Food Safety and Nutrition Section Track Session.
9. **Bovay, J.** “Voter and consumer evaluation of restrictions on farm animal management practices.” Departmental Seminar, Department of Economics, Connecticut College, December 8, 2014. Invited presentation.
8. *Tonsor, G., J. Bovay, K. Brooks, and N. Olynk Widmar*. “Understanding Differences in Voting and Buying Behavior Expressed by the Public.” Southern Agricultural Economics Association annual meeting, Dallas, February 3, 2014. Invited Symposium.
7. **Bovay, J.** “Consumer, marketer, and regulator demand for farm production practices: Food safety and farm animal treatment.” Food Economics Division Seminar, Economic Research Service, U.S. Department of Agriculture, Washington, November 7, 2013. Invited presentation.
6. **Bovay, J.** “Economic Effects of the Food Safety Modernization Act.” Extension Seminar, Iowa State University, November 1, 2013. Invited presentation.

5. **Bovay, J.** “Voter and consumer evaluation of restrictions on farm animal management practices.” Departmental Seminar, Department of Economics, Iowa State University, October 31, 2013. Invited presentation.
4. **Bovay, J.**, and D.A. Sumner. “Voter and Consumer Evaluation of Restrictions on Farm Animal Management Practices.” Presented at the Agricultural & Applied Economics Association and Canadian Agricultural Economics Society Joint Annual Meeting, Washington, August 6, 2013. Selected presentation.
3. **Bovay, J.**, and D.A. Sumner. “Effects of the Food Safety Modernization Act on the North American Fresh Tomato Trade” Presented at the Agricultural & Applied Economics Association and Canadian Agricultural Economics Society Joint Annual Meeting, Washington, August 5, 2013. Selected poster.
2. **Bovay, J.** “Economics of Food Safety Regulation.” Giannini Foundation of Agricultural and Resource Economics Student Conference, Davis, California, May 26, 2012. Contributed presentation.
1. **Bovay, J.** “Fresh tomatoes and food safety: an equilibrium displacement model.” Giannini Foundation of Agricultural and Resource Economics Student Conference, Davis, California, April 23, 2011. Contributed presentation.

INVITED OUTREACH PRESENTATIONS

Speaker(s) in italics.

13. **Bovay, J.**, and *J. Bonelli*. “Update on risk management programs for dairy farmers.” Robotic Milking Conference, University of Connecticut, October 26, 2018 (scheduled).
12. **Bovay, J.** “GMO and Non-GMO Food Labels: Implications of the New Federal Law.” Center for Learning in Retirement, University of Connecticut, October 18, 2018 (scheduled).
11. **Bovay, J.** “Enhancing Profitability for Connecticut Farms: The Farm Business Management Toolbox.” Workshop, Tolland County Extension Center, Vernon, CT, September 26, 2018.
10. **Bovay, J.** “An Economic Perspective on the Food-Waste Problem.” Presented to Connecticut Food Policy Council, Hartford, September 13, 2018.
9. **Bovay, J.** “Implications of the Food Safety Modernization Act Produce Safety Rule.” Presented at the Dyson School Agricultural and Food Business Outlook Conference, Cornell University, January 22, 2018.
8. **Bovay, J.** “GMO and Non-GMO Food Labels: Implications of the New Federal Law for Growers, Marketers, and Consumers.” Presented at the New York Produce Show and Conference, Javits Center, Manhattan, December 13, 2017.
7. **Bovay, J.** Keynote address, New London County Farm Bureau Annual Meeting, Lebanon, CT, October 18, 2017.
6. **Bovay, J.** “The U.S. Food Safety Modernization Act: Impacts on farms and food marketing firms.” Roundtable Discussion, *The Wall Street Journal* Global Food Forum, Park Hyatt, Manhattan, October 10, 2017.
5. **Bovay, J.** “Look Before You Leap! Assessing the Profitability of Growing Different Crops or Raising Different Livestock.” Presented at workshop entitled “Enhancing Profitability for Connecticut Farms: The Farm Business Management Toolbox”. Tolland County Extension Center, Vernon, CT, September 12, 2017.
4. **Bovay, J.** “Risk Management and Crop Insurance.” Presented at workshop entitled “Enhancing Profitability for Connecticut Farms: The Farm Business Management Toolbox”. Tolland County Extension Center, Vernon, CT, September 12, 2017.
3. **Bovay, J.** “Economics of Food Safety Regulation.” Presented to Connecticut Food Policy Council, Capitol Building, Hartford, April 13, 2017.
2. **Bovay, J.** “Cost of milk production in Connecticut.” Connecticut Dairy Summit, Capitol Building, Hartford, January 3, 2017. Also broadcast on C-TV.

1. **Bovay, J.** “Economic Effects of the U.S. Food Safety Modernization Act.” Presented at the New York Produce Show and Conference, Javits Center, Manhattan, December 7, 2016.

AWARDS AND HONORS

University of Connecticut College of Agriculture, Health, and Natural Resources:	
David and Nancy Bull Extension Innovation Award (with UConn CAHNR GMO Team)	2018
<i>Journal of Agricultural and Resource Economics:</i>	
Outstanding Journal Article (with J.M. Alston)	2016
USDA Economic Research Service:	
Cash Awards for Extra Effort	2015, four in 2016
Quality Step Increase	2015
Food Distribution Research Society:	
Richardson-Applebaum Award for Best Ph.D. Dissertation	2014–15
University of California, Davis:	
R.M. Pinkerton Agricultural Marketing Graduate Award	2014
Washington and Lee University:	
Distinguished Young Alumnus Award	2017
Earle Bates Prize in Environmental Studies	2007
Omicron Delta Kappa (national leadership honor society)	2006

GRANTS AND SCHOLARSHIPS

Farm Credit East:	
Northeast AgEnhancement Grant for CAHNR GMO Working Group (co-PI), \$2,500	2018
University of Connecticut Foundation/College of Agriculture, Health and Natural Resources:	
CES Innovation Award for CAHNR GMO Working Group (co-PI), \$5,000	2018
University of California, Davis:	
Giannini Foundation Mini-Grant (with Daniel A. Sumner), \$25,000	2012–14
Henry A. Jastro Research Scholarships, \$3,800 (total)	2010–11, 2012–13, and 2013–14
Washington and Lee University:	
A. Paul Knight Internship Program in Conservation, \$2,000	2006
Frank J. and Louise Gilliam Honor Scholarship, \$10,000	2003–07
National Merit Scholarship, \$2,500	2003–07

SELECTED MEDIA INTERVIEWS AND CONTRIBUTIONS

17. Perkowski, M. “USDA: Small farms bear greater food safety costs.” *Capital Press*, August 21, 2018.
16. Liu, Y.R. “Opinions differ on how merged Bayer-Monsanto affects some seed businesses.” *Medill Reports Chicago*, August 6, 2018.
15. Benson, J. “Too few residents taking advantage of local seafood bounty.” Connecticut Sea Grant *Wrack Lines* 18:1, Spring/Summer 2018.
14. Lupo, L. “The Economics of Food Safety.” *Quality Assurance & Food Safety* magazine, March/April 2018.
13. Markesich, K.C. “Extension and Connecticut Dept. of Ag team up to ensure state’s growers FSMA compliant.” *UConn Today*, January 31, 2018.
12. Hancock, E. “National School Lunch Program Aces Safety Test.” *UConn Today*, January 22, 2018. <https://today.uconn.edu/2018/01/national-school-lunch-program-aces-safety-test/>.

11. Agricultural and Applied Economics Association. Press release on “Economic Effects of the U.S. Food Safety Modernization Act.” Reprinted by *Daily Telescope*, November 28, 2017; FreshFruitPortal.com, November 29, 2017; *Food Quality & Safety*, November 30, 2017; *Southeast FarmPress*, December 1, 2017; *Quality Assurance & Food Safety*, December 11, 2017; *The Packer*, December 15, 2017; *Farm Futures*, December 28, 2017.
10. Sheldon, J. “Agricultural economist measures impact of forthcoming federal GMO labeling law.” *UConn Today*, December 6, 2017.
9. Bernardo, R. “2017’s Best Foodie Cities in America.” Expert panel contributor. *WalletHub*, October 10, 2017. 3,092 social media shares. <https://wallethub.com/edu/best-foodie-cities/7522/>.
8. Uffelman, L. “Designing Economic Policies to Reduce Inequality.” *The Columns*, Washington and Lee University. October 4, 2017. Excerpt excerpt reprinted in *W&L* alumni magazine Winter/Spring 2018.
7. Pasquini, M. “Why Are Avocados So Expensive Right Now? Here Are 3 Reasons.” *People.com*. September 22, 2017. <https://people.com/food/why-avocados-so-expensive-right-now/>.
6. Young, K. “Educational Microsession: FSMA Expected to Create Winners and Losers.” *Produce Business*, February 2017, p. 67. <http://book.producebusiness.com/0217/#p=66>.
5. Sheldon, J. “Agricultural economist studies voting and farming legislation.” *Naturally@UConn*, November 8, 2016.
4. “Bovay Joins CAHNR.” UConn Extension Blog, September 7, 2016. <https://blog.extension.uconn.edu/2016/09/07/bovay-joins-cahnr/>.
3. Flynn, D. “More refusals were headed to produce aisles than fish counters.” *Food Safety News*, April 20, 2016.
2. Forman-Cook, W. “USDA report: FDA refusals of food shipments stable, despite more imports.” *Agri-Pulse*, March 30, 2016.
1. Karst, T. “Report: Fish, fruits and vegetables refused entry most often by FDA.” *The Packer*, March 30, 2016.

TEACHING AND ADVISING

University of Connecticut:

Classroom Teaching:

UConn ARE 3215, Business Management, Fall 2018, 34 students

UConn ARE 3215, Business Management, Fall 2017, 35 students

UConn ARE 3215, Business Management, Fall 2016, 41 students

Independent Study Advising:

M.S. Students:

Rose Croog, Spring 2017

B.S. Students:

Audrey Folta, Spring 2018

Joona Kunnas, Spring 2017

Evan Lyman, Spring 2017

Guest lectures:

UConn ARE 3260, Food Policy, October 31, 2017

UConn UNIV 3820.6, EcoHouse Learning Community Advanced Seminar, October 18, 2017

Washington & Lee ENV 110, Introduction to Environmental Studies, September 18, 2017

UConn ARE 3260, Food Policy, March 28, 2017

UC Davis ARE 121, Economics of Agricultural Sustainability, February 20, 2014

Teaching Assistantships, UC Davis:

- ARE 106, Econometrics, Spring 2010
- ARE 115A, Economic Development, Winter 2010
- ARE 100A, Intermediate Microeconomics, Fall 2009

Major advisor for Ph.D. student: Binod Khanal (expected to graduate in 2021)

Major advisor for M.S. student: Yixing Tian (expected to graduate in 2018)

Associate advisor for M.S. student: Rose Croog, 2017

Academic advisor for 9 to 18 undergraduate students (2016–18) and 2 M.S. students (2017–18)

SELECTED SERVICE

Agricultural & Applied Economics Association:

- Topic Leader, Food and Agricultural Policy Analysis 2016–18
- Member at Large, Executive Committee, Food Safety & Nutrition Section 2015–17

College of Agriculture, Health, and Natural Resources, University of Connecticut:

- Search Committee for Dean of the College 2018
- Faculty Panel for Competitive Grants 2017–18
- Faculty Evaluator, Graduate Research Forum 2018
- Undergraduate Commencement Committee 2017–18

Department of Agricultural and Resource Economics, University of Connecticut:

- Search Committee for Assistant Professor 2016–17
- Search Committee for Zwick Center Post-Doctoral Scholar 2016

Department of Agricultural and Resource Economics, University of California, Davis:

- Student Coordinator, Agricultural Economics Seminar, Workshop, and Brown Bag Series 2011–13

Washington and Lee University:

- Senior Class Representative to Executive Committee of the Student Body 2006–07

Panelist for reviews of grant proposals:

- USDA NIFA Aquaculture Research Program 2017
- USDA AMS Federal–State Marketing Improvement Program 2014

Referee for *Agribusiness*, *Agricultural Economics*, *American Journal of Agricultural Economics*, *Applied Economic Perspectives & Policy*, *Food Policy*, *Journal of Agribusiness in Developing and Emerging Economies*, *Journal of Agricultural and Applied Economics*, *Journal of Agricultural and Resource Economics*, *Trends in Food Science & Technology*, AAEA annual meeting, IAAE triennial meeting, WAEA annual meeting