

Curriculum Vitae
Rachael Evadne Goodhue

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Current Positions

Professor and Chair, 2016-present. Department of Agricultural and Resource Economics, University of California, Davis.

Director, 2020-present. California Agribusiness Executive Seminar. Offered by University of California, Davis and Wells Fargo Bank.

Past Positions

Chair, Davis Division of the Academic Senate, University of California, 2016-18.

Professor, Department of Agricultural and Resource Economics, University of California, Davis, 2010 – 2016.

Vice Chair, Davis Division of the Academic Senate, University of California, 2014-2016.

Chair, Graduate Council, Davis Division of the Academic Senate, 2012-2014.

Chair, University of California Coordinating Committee on Graduate Education, 2011-2012.

Associate Professor, Department of Agricultural and Resource Economics, University of California, Davis, 2004 - 2010.

Assistant Professor, Department of Agricultural and Resource Economics, University of California, Davis, 1998 - 2004.

Education

Doctor of Philosophy in Agricultural and Resource Economics
University of California, Berkeley, 1997.

Master of Science in Agricultural and Resource Economics
University of California, Berkeley, 1994.

Bachelor of Arts with High Honors in Economics, concentration in Public Policy
Swarthmore College, 1993.

Awards, Honors and Fellowships

UC Davis Graduate Studies Distinguished Graduate Student and Postdoctoral Mentoring Award. 2022.

Outstanding Published Paper that Significantly Contributed to Transdisciplinary Work or Specialty Crops Industries. Specialty Crop Economics section, Agricultural and Applied Economics Association. “Balancing Bees and Pest Management: Projected Costs of Proposed Bee-protective Neonicotinoid Regulation in California.” 2022.

Outstanding Published Paper that Significantly Contributed to the Specialty Crop Economics Discipline. Specialty Crop Economics section, Agricultural and

Applied Economics Association. “Are All Colonies Created Equal? The Role of Honey Bee Colony Strength in Almond Pollination Contracts.” 2021.

Distinguished Visitor. Department of Economics, Monash University. 2017.

Editor’s Pick, *Agricultural and Food Economics*. “Agricultural Contracts, Adverse Selection, and Multiple Inputs.” 2016.

Distinguished Visitor. Department of Economics, Monash University. 2015.

Western Agricultural Economics Association Best Published Article. “Agricultural Support Policies in Imperfectly Competitive Markets: Why Market Power Matters in Policy Design.” 2012.

European Association of Agricultural Economics Best Policy Contribution. “Agricultural Support Policies in Imperfectly Competitive Markets: Why Market Power Matters in Policy Design.” 2011.

Most Downloaded *ARE Update* Article, 2011-2012. Giannini Foundation of Agricultural Economics, University of California.

Most Downloaded *ARE Update* Article, 2010-2011. Giannini Foundation of Agricultural Economics, University of California.

Gamma Sigma Delta Honor Society. 2007.

Duke University Talent Identification Program Distinguished Alumni Career/Professional Award. 2005.

Associated Students of the University of California Davis Excellence in Education Award. 2004.

Research Fellow. Rural Development Research Consortium. 2003-2006.

Verona d’Oenometric Award for the Outstanding Paper, Enometrics VIII. Vineyard Data Quantification Society. 2001.

Best Paper by a Younger Scholar Published in *Review of Industrial Organization*. 1999.

National Science Foundation Graduate Fellowship in Economics. 1994-97.

American Agricultural Economics Association Foundation Graduate Fellow. 1996.

Poultry Science Association Maurice Stein Graduate Fellowship. 1996.

University of California at Berkeley Graduate Opportunity Fellowship. 1993-94.

Phi Beta Kappa, Swarthmore College. 1993.

Journal Articles and Other Refereed Publications

Susan P. Harrison, Robin Schoen, Delane Atcitty, Rob Fiegener, Rachael Goodhue, Kayri Havens, Carol C. House, Richard C. Johnson, Elizabeth Leger, Virginia Lesser, Jean Opsomer, Nancy Shaw, Douglas E. Soltis, Scott M. Swinton, Edward Toth, and Stanford A. Young. 2023. *An Assessment of Native Seed Needs and the Capacity for their Supply*. National Academies Press. <https://nap.nationalacademies.org/catalog/26618/an-assessment-of-native-seed-needs-and-the-capacity-for-their-supply>

Spalding, Ashley, Rachael E. Goodhue, Kristin Kiesel, and Richard J. Sexton. 2023. “Economic Damages of Food-safety Incidents in Complex Markets: 2018 *E. coli* Outbreak and Romaine Lettuce.” *California Agriculture*. 77(1):22-29 January-March. <https://doi.org/10.3733/ca.2023a0002>

Spalding, Ashley, Rachael E. Goodhue, Kristin Kiesel, and Richard J. Sexton. 2022. "Economic Impacts of Food Safety Incidents in a Modern Supply Chain: *E. coli* in the Romaine Lettuce Industry." *American Journal of Agricultural Economics* DOI: 10.1111/ajae.12341.

Guerra, Nelly, Steven A. Fennimore, Mark Siemens and Rachael E. Goodhue. 2022. "Band Steaming for Weed and Disease Control in Leafy Greens and Carrots." *HortScience*.

Mace, Kevi, Jessica Rudder, Rachael Goodhue, Tor Tolhurst, Daniel Tregueagle, Hanlin Wei, Beth Grafton-Cardwell, Ian Grettenberger, Houston Wilson, Robert Van Steenwyk, Frank Zalom, and John Steggall. 2022. "Balancing Bees and Pest Management: Projected Costs of Proposed Bee-protective Neonicotinoid Regulation in California." *Journal of Economic Entomology* 115 (1): 10-25. <https://doi.org/10.1093/jee/toab231>

Zavatta, Margherita, Joji Muramoto, Elizabeth Milazzo, Steven Koike, Karen Klonsky, Rachael Goodhue, and Carol Shennan. 2021. "Integrating Broccoli Rotation, Mustard Meal, and Anaerobic Soil Disinfestation to Manage Verticillium Wilt in Strawberry." *Crop Protection* 146. <https://doi.org/10.1016/j.cropro.2021.105659>.

Michuda, Aleksandr, Rachael E. Goodhue, Mark Hoffmann and Steven A. Fennimore. 2021. "Predicting Net Returns of Organic and Conventional Strawberry Following Soil Disinfestation with Steam or Steam Plus Additives." *Agronomy* 11, 149. <https://doi.org/10.3390/agronomy11010149>

Susan P. Harrison, Robin Schoen, Delane Atcitty, Rob Fiegner, Rachael Goodhue, Kayri Havens, Carol C. House, Richard C. Johnson, Elizabeth Leger, Virginia Lesser, Jean Opsomer, Nancy Shaw, Douglas E. Soltis, Scott M. Swinton, Edward Toth, and Stanford A. Young. 2020. "Preparing for the Need for a Supply of Native Seed." *Ecological Restoration* 38(4):203-206. December.

Goodrich, Brittney K. and Rachael E. Goodhue. 2020. "Are All Colonies Created Equal? The Role of Honey Bee Colony Strength in Almond Pollination Contracts." *Ecological Economics*. 177:106744. November.

Plakias, Zoe, Rachael E. Goodhue and Jeffrey Williams. 2020 "Terminated Marketing Order Provided Resources to California Peach and Nectarine Growers." *California Agriculture*. 74(3):155-162. July-September. <http://calag.ucanr.edu/Archive/?article=ca.2020a0023>.

Goodhue, Rachael E., Karen Klonsky, Christopher DeMars, Steve Blecker, John Steggall, Minghua Zhang and Robert Van Steenwyk. 2020. "Financial Effect of Limiting Pesticide Use near Schools Depends on Soils and Weather." *California Agriculture*. 74(1):23-29. January-March. <http://calag.ucanr.edu/archive/?type=pdf&article=ca.2020a0001>.

Goodrich, Brittney, Jeffrey Williams and Rachael E. Goodhue. 2019. “The Great Bee Migration: Supply Analysis of Honey Bee Colony Shipments into California for Almond Pollination Services.” *American Journal of Agricultural Economics*. 105(5): 1353–1372 <https://academic.oup.com/ajae/article/101/5/1353/5556337?guestAccessKey=2d189925-5a57-41fb-8454-e251219e8b03>

Michuda, Aleksandr, Rachael Goodhue, Karen Klonsky, Graeme Baird, Lucinda Toyama, Margherita Zavatta, Joji Muramoto and Carol Shennan. 2018. “The Economic Viability of Suppressive Crop Rotations for the Control of Verticillium Wilt in Organic Strawberry Production.” *Agroecology and Sustainable Food Systems*. 43(9):984-1008. DOI: 10.1080/21683565.2018.1552228.

Russo, Carlo and Rachael E. Goodhue. “Farmgate Prices, Retail Prices and Supermarkets’ Pricing Decisions: an Integrated Approach.” *Agribusiness: An International Journal* 34: 24-43. 2018. <http://onlinelibrary.wiley.com/doi/10.1002/agr.21530/abstract>.

Carroll, Christine, Colin A. Carter, Rachael E. Goodhue, C.Y. Cynthia Lin Lawell and Krishna Subbarao. “A Review of Control Options and Externalities for Verticillium Wilts.” *Phytopathology*. 108(2):160-171. 2018. <https://apsjournals.apsnet.org/doi/10.1094/PHYTO-03-17-0083-RVW>.

Carroll, Christine, Colin Carter, Rachael Goodhue, Cynthia Lawell and Krishna Subbarao. “The Economics of Managing Verticillium Wilt, an Imported Disease in California Lettuce.” *California Agriculture* 71(3):178-183. 2017. <https://doi.org/10.3733/ca.2017a0028>.

Xu, Yan, Rachael E. Goodhue, James A. Chalfant, Thomas Miller, and Steven A. Fennimore. “Economic Viability of Steam as an Alternative to Pre-plant Soil Fumigation in California Strawberry Production.” *HortScience*. 52(3): 401-407. 2017. <http://hortsci.ashspublications.org/content/52/3/401.full.pdf?ijkey=msNzBNEbyHN0IKh&keytype=ref>

Farnsworth, Derek, Kelly Hamby, Mark Bolda, Rachael Goodhue, Jeffrey Williams, and Frank Zalom. “Economic Analysis of Revenue Losses and Control Costs Associated with the Spotted Wing Drosophila (*Drosophila suzukii* (Matsumura)) in the California Raspberry Industry.” *Pest Management Science*. Wiley Online Library. 2017.

Hoffmann, Mark, J. Rauchy, Nathan Dorn, Jenny Broome, Alexandra Barbella, Rachael E. Goodhue and Steven A. Fennimore. “Weed and Pathogen Control with Steam in California Strawberry Production.” VIII International Strawberry Symposium. *Acta Horticulturae*. DOI: [10.17660/ActaHortic.2017.1156.88](https://doi.org/10.17660/ActaHortic.2017.1156.88). 2017.

Goodhue, Rachael E., Susan Stratton Sayre, and Leo K. Simon. “Modeling Negotiations over Water and Ecosystem Management.” *Strategic Behavior and the Environment*. 6(1-2): 73-134. <http://dx.doi.org/10.1561/102.00000067>. December 2016.

Goodhue, Rachael E., and Leo K. Simon. "Agricultural Contracts, Adverse Selection, and Multiple Inputs." *Agricultural and Food Economics*. 4(1):1-33. DOI:10.1186/s40100-016-0063-8. 2016.

Goodhue, Rachael E., Melissa Schweisguth and Karen Klonsky. "Effects of Proposed Buffer Zone Distance Requirements for Chloropicrin Use Unequally Distributed: Ventura County Strawberry Production Case Study." *California Agriculture*. 70(3):116-123. July-August 2016. <http://ucanr.edu/repositoryfiles/ca2016a0002-161762.pdf>

Fennimore, Steven A. and Rachael E. Goodhue. "Soil Disinfestation with Steam: A Review of Economics, Engineering and Soil Pest Control in California Strawberry." *International Journal of Fruit Science* DOI: 10.1080/15538362.2016.1195312. 2016. p. 1-13.

Plakias, Zoë and Rachael E. Goodhue. "Producer Heterogeneity and Voting Power in Mandatory U.S. Agricultural Marketing Organizations." *European Review of Agricultural Economics*. 42(5): 739-763. 2015.

Patlolla, Sandhyarani , Rachael E. Goodhue, and Richard J. Sexton. "Managing Quantity, Quality, and Timing in Indian Cane Sugar Production: Ex Post Marketing Permits or Ex Ante Production Contracts?" *World Bank Economic Review*. doi: 10.1093/wber/lhu004. 2014. <http://wber.oxfordjournals.org/content/early/2014/09/22/wber.lhu004.full.pdf+html>

Cobourn, Kelly, Rachael E. Goodhue, and Jeffrey C. Williams. "Managing a Pest with Harvest Timing: Implications for Crop Quality and Price." *European Review of Agricultural Economics* 40(5):761-784. doi: 10.1093/erae/jbt003. 2013. <http://erae.oxfordjournals.org/cgi/reprint/jbt003?ijkey=7pyCwH16QEMbnrz&keytype=ref>

Grogan, Kelly A. and Rachael E. Goodhue. "Spatial Externalities of Pest Control Decisions in the California Citrus Industry." *Journal of Agricultural and Resource Economics* 37(1):156-179. 2012.

Grogan, Kelly A. and Rachael E. Goodhue. "Adoption of Biological Control Varies across Growers and Pests in the Citrus Industry." *California Agriculture* 66(1):29-36. 2012.

Samtani, Jayesh B., Celeste Gilbert, J. Ben Weber, Krishna V. Subbarao, Rachael E. Goodhue and Steven A. Fennimore. "Effects of Steam and Solarization Treatments on Pest Control, Strawberry Yield, and Economic Returns Relative to Methyl Bromide Fumigation." *HortScience*.47(1):64-70. 2012.

Patlolla, Sandhyarani, Rachael E. Goodhue, and Richard J. Sexton. "Price Floors and Technical Inefficiency in the Sugar Processing Industry of India." *Agricultural Economics* 43:105-114. 2011.

Russo, Carlo, Rachael Goodhue, and Richard Sexton. "Agricultural Support Policies in Imperfectly Competitive Markets: Why Market Power Matters in Policy Design."

American Journal of Agricultural Economics 93(5):1328-1340. 2011. doi:
10.1093/ajae/aar050

<http://ajae.oxfordjournals.org/cgi/reprint/aar050?ijkey=dz5uYHdjXfX38XT&keytype=ref>

Cobourn, Kelly M., Hannah J. Burrack, Rachael E. Goodhue, Jeffrey C. Williams, and Frank G. Zalom. "Implications of Simultaneity in a Physical Damage Function." *Journal of Environmental Economics and Management*. 62:278-289. 2011.

Goodhue, Rachael E., Mark P. Bolda, Derek Farnsworth, Jeffrey C. Williams, and Frank G. Zalom. "Spotted Wing *Drosophila* Infestation of California Strawberries and Raspberries: Economic Analysis of Potential Revenue Losses and Control Costs." *Pest Management Science* 67:1396-1402. DOI 10.1002/ps.2259.

Walsh, Douglas B., Mark P. Bolda, Rachael E. Goodhue, Amy J. Dreves, Jana Lee, Denny J. Bruck, Vaughn M. Walton, Sally D. O'Neal, and Frank G. Zalom. "*Drosophila suzukii* (Diptera: Drosophilidae): Invasive Pest of Ripening Soft Fruit Expanding Its Geographic Range and Damage Potential." *Journal of Integrated Pest Management*. 2(1):DOI 10.1603/IPM10010. 2011.

Samatani, Jayesh B., Husein A. Ajwa, Rachael E. Goodhue, Oleg Daugovish, Zahanghir Kabir, and Steven A. Fennimore. "Weed Control Efficacy and Economics of 1,3-Dichloropropene and Chloropicrin Applied at Reduced Rates under Impermeable Film in Strawberry Beds." *HortScience* 45(12):1841-1847. December, 2010.

Goodhue, Rachael E., Sandeep Mohapatra, and Gordon C. Rausser. "Interactions between Incentive Instruments: Contracts and Quality in Processing Tomatoes." *American Journal of Agricultural Economics* 92(5):1283-1293. October, 2010. doi:10.1093/ajae/aaq061.

Goodhue, Rachael E., Karen Klonsky, and Sandeep Mohapatra. "Can a Grower Education Program be a Substitute for a Regulation that Bans Pesticides? Evidence from a Panel Selection Model." *American Journal of Agricultural Economics* 92(4):956-971. August 2010.

Steinmann, Kimberly P., Minghua Zhang, Joseph A. Grant, Carolyn Pickel, Rachael E. Goodhue, Karen Klonsky. "Quantifying Economic and Environmental Tradeoffs of Walnut Arthropod Pest Management." *Agricultural Systems* 103(5):294-306. June, 2010.

Mohapatra, Sandeep, Rachael E. Goodhue, Colin A. Carter, and James A. Chalfant. "Effects of Forward Sales in Spot Markets: Pre-Commitment Sales and Prices for Fresh Strawberries." *American Journal of Agricultural Economics* 92(1):152-163. February, 2010.

Goodhue, Rachael E., Jeffrey T. LaFrance and Leo K. Simon. "Wine Taxes, Production, Aging and Quality." *Journal of Wine Economics* 4(1):65-83. Spring, 2009.

McKee, Gregory, Rachael E. Goodhue, Frank A. Zalom, Colin A. Carter, and James A. Chalfant. "Population Dynamics and the Economics of Invasive Species Management: The Greenhouse Whitefly in California-grown Strawberries." *Journal of Environmental Management* 90(1):561-570. January, 2009.

Fennimore, Steven A., Milton J. Haar, Rachael E. Goodhue and Christopher Q. Winterbottom. "Weed Control in Strawberry Runner Plant Nurseries with Methyl Bromide Alternative Fumigants." *HortScience* 43(5):1495-1500. August, 2008.

Steinmann, Kimberly P., Minghua Zhang, Joseph A. Grant, Carolyn Pickel and Rachael E. Goodhue. "Pheromone-based Pest Management Can Be Cost-effective for Walnut Growers." *California Agriculture* 62(3): 105-110. July – September, 2008.
<http://californiaagriculture.ucop.edu/0803JAS/pdfs/ca6203p105.pdf>.

Goodhue, Rachael E. and Nancy McCarthy. "Traditional Property Rights, Common Property, and Mobility in Semi-arid African Pastoralist Systems." *Environment and Development Economics*. 14(1):29-50. February 2008.

Fennimore, Steven A., John M. Duniway, Greg T. Browne, Frank N. Martin, Husein A. Ajwa, Becky B. Westerdahl, Rachael E. Goodhue, Milton Haar and Christopher Winterbottom. "Methyl Bromide Alternatives Evaluated for California Strawberry Nurseries." *California Agriculture* 62(2):62-67. April-June, 2008.
<http://californiaagriculture.ucop.edu/0802AMJ/pdfs/ca6202p62.pdf>.

Mohapatra, Sandeep, Rachael E. Goodhue, and Scott Rozelle. "Investment Complementarity in China's Rural Enterprises." *Review of Industrial Organization* 33:63-79. August, 2008.

Goodhue, Rachael E., Richard Green, Dale M. Heien and Phillip Martin. "California Wine Industry Evolving to Compete in 21st Century." *California Agriculture*. 62(1):12-18. January – March, 2008.
<http://repositories.cdlib.org/anrcs/californiaagriculture/v62/n1/p12>.

Goodhue, Rachael E. and Nancy McCarthy. "Traditional Grazing Rights in Sub-Saharan Africa and the Role of Policy." Chapter Three in *Game Theory for Policymaking in Natural Resources and the Environment*, Ariel Dinar, Jose Albiac, and Joaquin Sanchez-Soriano, editors. Routledge Press (London, 2008). Pages 43-64.

Goodhue, Rachael E., Gordon C. Rausser, Leo K. Simon and Sophie Thoyer. "Multilateral Negotiations over the Allocation of Water Resources: The Strategic Importance of Bargaining Structure." Chapter Seven in *Game Theory for Policymaking in Natural Resources and the Environment*, Ariel Dinar, Jose Albiac, and Joaquin Sanchez-Soriano, editors. Routledge Press (London, 2008). Pages 132-154.

Simon, Leo K., Rachael E. Goodhue, Gordon C. Rausser, Sophie Thoyer, Sylvie Morardet, and Patrick Rio. "Structure and Power in Multilateral Negotiations: An

Application to French Water Policy.” Giannini Foundation Research Monograph 47, June 2007.

McKee, Gregory J., Frank G. Zalom, and Rachael E. Goodhue. “Management and Yield Impact of the Greenhouse Whitefly (*Trialeurodes vaporariorum*) on California Strawberries.” *HortScience*. 42(2):280-284. April, 2007.

Alexander, Corinne, Rachael E. Goodhue and Gordon C. Rausser. “Do Incentives for Quality Matter?” *Journal of Agricultural and Applied Economics* 39(1):1-15. April, 2007.

Mohapatra, Sandeep, Scott C. Rozelle and Rachael E. Goodhue. “The Rise of Self-Employment in Rural China: Development or Distress?” *World Development*. 35(1): 163-181. January, 2007.

Goodhue, Rachael E. and Gregory J. McKee. “Designing and Implementing Invasive Species Prevention, Eradication, and Control Policies: Economics, Biology and Uncertainty.” *Choices*. 21(3):129-132. Third Quarter 2006.

McKee, Gregory J., Colin A. Carter, James A. Chalfant and Rachael E. Goodhue. “Bioeconomic Modeling of Greenhouse Whiteflies in California Strawberries.” *Choices*. 21(3):143-146. Third Quarter 2006.

Carter, Colin A., James A. Chalfant, Rachael E. Goodhue, Frank Han and Massimiliano DeSantis. “The Methyl Bromide Ban: Economic Impacts on the California Strawberry Industry.” *Review of Agricultural Economics*. 27(2):181-197. Summer, 2005.

Goodhue, Rachael E., Steven A. Fennimore and Husein A. Ajwa. “The Economic Importance of Methyl Bromide: Does the California Strawberry Industry Qualify for a Critical Use Exemption from the Methyl Bromide Ban?” *Review of Agricultural Economics*. 27(2):198-211. Summer, 2005.

Kabir, Zahangir, Steven A. Fennimore, John M. Duniway, Frank N. Martin, Christopher Q. Winterbottom, Husein A. Ajwa, Becky B. Westerdahl, Rachael E. Goodhue and Milton J. Haar. “Alternatives to Methyl Bromide for Strawberry Runner Plant Production.” *HortScience* 40(6):1709-1715. October, 2005.

Carter, Colin A., James A. Chalfant, Rachael E. Goodhue and Gregory J. McKee. “Costs of 2001 DPR Methyl Bromide Rules Estimated for California Strawberry Industry.” *California Agriculture*. January – March, 2005. 59(1):41-46.

Carter, Colin A., James A. Chalfant and Rachael E. Goodhue. “Invasive Species in Agriculture: A Rising Concern.” *Western Economic Forum*. Fall, 2004. 3(2):1-6.

Carter, Colin A., James A. Chalfant and Rachael E. Goodhue. “The Red Edge: Demand Enhancing Strategies for California Strawberries.” *The Economics of Commodity Promotion Programs: Lessons from California*. Harry M. Kaiser, Julian M. Alston, John

M. Crespi, and Richard J Sexton, editors. New York: Peter Lang Publishing Incorporated, 2005.

Thoyer, Sophie, Sylvie Morardet, Patrick Rio and Rachael E. Goodhue. "Comparaison des procédures de décentralisation et de négociation de la gestion de l'eau en France et en Californie." *Natures Sciences Sociétés*. 2004. 12(1): 7-17.

Goodhue, Rachael E., Dale M. Heien, Hyunok Lee and Daniel A. Sumner. "Contracts and Quality in the California Winegrape Industry." *Review of Industrial Organization*. 23(3-4):267-282. December, 2003.

Alexander, Corinne, Jorge Fernandez-Cornejo and Rachael E. Goodhue. "Effects of the GM Controversy on Corn-Soybean Farmers' Acreage Allocation Decisions." *Journal of Agricultural and Resource Economics*. 28(3):580-595. December, 2003.

Goodhue, Rachael E. and Gordon C. Rausser. "Value Differentiation." *Journal of Agricultural and Resource Economics*. 28(3):375-395. December, 2003.

Alexander, Corinne, Jorge Fernandez-Cornejo and Rachael E. Goodhue. "Farmers' Adoption of Genetically Modified Varieties with Input Traits." Giannini Foundation Research Report Number 347. October, 2003.

Alexander, Corinne and Rachael E. Goodhue. "The Pricing of Innovations: An Application to Seed Corn Traits." *Agribusiness*. 18(3):333-348. Summer, 2002.

Goodhue, Rachael E., Dale Heien, Hyunok Lee and Daniel Sumner. "Grower-Winery Contracts in California: Use and Design." *California Agriculture*. 56(3): 97-102. May-June, 2002.

Fernandez-Cornejo, Jorge, Corinne Alexander and Rachael E. Goodhue. "Dynamic Technology Diffusion with Disadoption: The Case of Crop Biotechnology." *Agricultural and Resource Economics Review*. 31(1): 112-126. April, 2002.

Thoyer, Sophie, Sylvie Morardet, Patrick Rio, Leo Simon, Rachael Goodhue and Gordon Rausser. "A Bargaining Model to Simulate Negotiations among Water Users." *Journal of Artificial Societies and Social Simulation*. 4(2). March, 2001.
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Goodhue, Rachael E. "Broiler Production Contracts as a Multi-Agent Problem: Incentives, Common Risk and Heterogeneity." *American Journal of Agricultural Economics*. 82(3):606-622. August, 2000.

Dumas, Chris and Rachael E. Goodhue. "The Cotton Acreage Effects of Boll Weevil Eradication: A County Level Analysis." *Journal of Agricultural and Applied Economics*. 31(3):475-97. December, 1999.

Goodhue, Rachael E., Gordon C. Rausser and Leo K. Simon. "Privatization, Market Liberalization and Learning in Transition Economies." *American Journal of Agricultural Economics*. 80(4):724-37. November, 1998.

Goodhue, Rachael E. "Sustaining Collusion Via a Fuzzy Trigger." *Review of Industrial Organization*. 13(3):333-345. June, 1998.

Goodhue, Rachael E., Jill J. McCluskey and Gordon C. Rausser. "Central European Agricultural Policy and EU Accession." *Current Politics and Economics of Europe*, 7(1):35-47. 1997.

Janda, Karel, Rachael E. Goodhue, Robert F. Lyons, Gordon C. Rausser and Leo K. Simon. "A Computable Policy Model of Eastern European Agriculture and the Food Industry." *Prague Economic Papers*. 5(1):70-79. 1996.

Book Chapters, Conference Proceedings, Posters, and Other Research Publications

Kiesel, Kristin, Sean Kiely and Rachael Goodhue. "Product Innovation and Promotion of Value-added Products via Marketing Cooperatives." Chapter 29 in *Handbook of Research on Cooperatives and Mutuals*. Matthew Elliott and Michael Boland, editors. Edward Elgar Publishing, Northampton MA. 2023.

Goodhue, Rachael. "From Handshakes to Blockchains: Economic Analysis of Contracts in Agriculture." Chapter 22 in *Modern Agricultural and Resource Economics and Policy: Essays in Honor of Gordon Rausser*. Harry De Gorter, Jill McCluskey, Johan Swinnen and David Zilberman, editors. Springer Nature 2022.

Martin, F., S. Fennimore, A. Putman, M. Matson, D. Racano, F. Melton, R. Goodhue, P. Henry, S. Vougioukas, N. Dorn, C. Greer, O. Daugovish, A. Biscaro, and M. Stanghellini. "Site-specific Soil Pest Management in Strawberry and Vegetable Cropping Systems." 2020 Methyl Bromide Alternatives Conference, November 2020.

Putman, A.I., F.N. Martin, S.A. Fennimore, O. Daugovish, A. Biscaro, M. Matson, M. Hang, T.R. Gordon, F. Melton, R. Goodhue, M. Stanghellini, N. Dorn. "Precision Management of Soilborne Pathogens of Strawberry in California. Poster presented at American Phytopathological Meeting. August 2020.

Wei, Hanlin, Rachael Goodhue, Joji Muramoto, Daniel Sumner. *Statistical Review of California's Organic Agriculture: 2013 – 2016*. University of California Agricultural Issues Center. 2020. <https://aic.ucdavis.edu/wp-content/uploads/2020/10/CA-Organic-Ag-13-16.pdf>

Fennimore, S., A. Putman, F. Martin, M. Matson, O. Daugovish, A. Biscaro, R. Goodhue, T. Gordon, F. Melton, L. Johnson, M. Stanghellini and N. Dorn. "Site-specific Management of Soil Pests in California Strawberry Production." 2019 Methyl Bromide

Alternatives Conference, November 2019. Available at <https://www.mbao.org/static/docs/confs/2017-sandiego/papers/37martinf.pdf>

Carroll, Christine L., Colin A. Carter, Rachael E. Goodhue and C.Y. Cynthia Lin. “Crop Disease and Agricultural Productivity: Evidence from a Dynamic Structural Model of Verticillium Wilt Management.” Chapter 7 in *Agricultural Productivity and Producer Behavior*, Wolfram Schlenker, editor. NBER, University of Chicago Press. 2019.

Steggall, John, Steve Blecker, Rachael Goodhue, Karen Klonsky, Kevi Mace, and Robert Van Steenwyk. 2018. “Economic and Pest Management Analysis of Proposed Pesticide Regulations.” Chapter 20 in *Managing and Analyzing Pesticide Use Data for Pest Management, Environmental Monitoring, Public Health, and Policy*, American Chemical Society Symposium Series 1283. American Chemical Society: Washington, DC. Distributed in print by Oxford University Press.

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Goodhue, Rachael E., Steven A. Fennimore and Husein Ajwa. "Economic Feasibility of Methyl Bromide Alternatives: Field-Level Cost Analysis." *The Pink Sheet*. California Strawberry Commission. Watsonville, CA. 03-07. August 4, 2003.

Goodhue, Rachael E., Guillaume Gruere and Karen Klonsky. "Do Farmers Provide More than Food? Public Perspectives in California." *Agricultural and Resource Economics Update*, University of California, Giannini Foundation. 6(5). May/June 2003.

Goodhue, Rachael E. and Jessica Jiang. "Prices, Volumes and Promotions in the Fresh Strawberry Market." *Agricultural and Resource Economics Update*, University of California, Giannini Foundation. 6(3). January/February 2003.

Carter, Colin, James Chalfant, Rachael Goodhue and Gregory McKee. "Economic Impact of the 2001 DPR Regulations on Strawberry Field Fumigation." *The Pink Sheet*. California Strawberry Commission. Watsonville, CA. 03-01. January 9, 2003.

Carter, Colin, James Chalfant, Rachael Goodhue and Tian Xia. "Regulations on Methyl Bromide Fumigation Thrown Out by Court." *Agricultural and Resource Economics Update* University of California, Giannini Foundation. 5(4). March/April, 2002. Reprinted in *San Joaquin Farm Bureau News*. April, 2002. Pages 22-23.

Carter, Colin, James Chalfant, Massimiliano De Santis, Rachael Goodhue, Frank Han, and Tian Xia. "Acreage Losses and Other Costs of the January, 2001 DPR Methyl Bromide Fumigation Regulations." *The Pink Sheet* no. 02-08. California Strawberry Commission, Watsonville. March, 2002.

Carter, Colin, James Chalfant, Massimiliano De Santis, Rachael Goodhue, Frank Han, and Tian Xia. "Economic Impact on California Strawberry Producers of the Methyl Bromide Ban." *The Pink Sheet*, California Strawberry Commission. 01-07. April 9, 2001.

Carter, Colin, James Chalfant, Rachael Goodhue, Frank Han, and Tian Xia. "Economic Analysis of the California Strawberry Industry: Price Determination and Marketing Practices." *The Pink Sheet*, California Strawberry Commission. 01-03 February 15, 2001.

Alexander, Corinne, Rachael E. Goodhue and Jorge Fernandez-Cornejo. "Iowa Producers' Adoption of Bio-Engineered Varieties: Lessons for California." *Agricultural and Resource Economics Update* University of California, Davis. 4(2). Winter, 2001.

Goodhue, Rachael E., Dale M. Heien and Hyunok Lee. "Using Contracts in California Winegrapes." *Grape Grower Magazine*. 32(6). March 2000.

Goodhue, Rachael E., Dale M. Heien and Hyunok Lee. "Contract Usage in the California Winegrape Economy." *Agricultural and Resource Economics Update* University of California, Davis 3(3):7-9. Spring, 2000.

Goodhue, Rachael E., Dale M. Heien and Hyunok Lee. "Contract Use in the California Winegrape Economy." AIC Issues Brief 11, December, 1999. Agricultural Issues Center, University of California.

Han, Frank M., Colin A. Carter and Rachael E. Goodhue. "Seasonal Prices and Supply-Side Adjustments in the California Strawberry Industry." *Agricultural and Resource Economics Update* University of California, Davis. 2(3). Spring, 1999.

Han, Frank M., Colin A. Carter and Rachael E. Goodhue. "Seasonal Prices and Supply-Side Adjustments in the California Strawberry Industry." *Strawberry News Bulletin* no. 99-6. April 6, 1999. P.1-2

Grants (2010-present)

\$30,000	"Positive Externalities of Pesticide Use: Cross-Crop Benefits to Lygus Bug." Giannini Foundation of Agricultural Economics. July 1, 2021-June 30, 2022.
\$499,875	"High-Efficiency Steam Application For Soil Disinfestation In Strawberry Nurseries." Co-PI. Steven Fennimore (UCD Plant Sciences) PI. USDA Methyl Bromide Transitions. September 1, 2020 to August 8, 2023.
\$500,000	"Developing suppressive crop rotations as a non-fumigant soilborne disease management strategy for strawberries." Co-PI. Joji Muramoto UC Division of Agricultural and Natural Resources PI. SDA Methyl Bromide Transitions. September 1, 2020 to August 8, 2023.
\$30,000	"California's Organic Agricultural Production." Giannini Foundation of Agricultural Economics. July 1 2020-June 30 2021
\$140,143	"Next-Generation Disease Resistance Breeding and Management Solutions for Strawberry." Co-PI. PI Steven Knapp (UCD Plant Sciences). USDA Small Crops Research Initiative. September 1 2017-August 31, 2021.
\$125,684	"Integrating Anaerobic Soil Disinfestation, Crop Rotation and Variety for Disease Management in Strawberry Production." Co-PI. PI Carol Shennan (UCSC Environmental Studies). USDA Small Crops Research Initiative. September 1 2017-August 31, 2020.
\$27,000	"Optimal Management of the UC Strawberry Germplasm Collection." Giannini Foundation of Agricultural Economics. July 1, 2017-June 30, 2018.
\$758,720	"Economic Effects of CDPR Regulations on California Agriculture." California Department of Food and Agriculture. July 1, 2015-June 30, 2019.

\$15,965	“Development of Site-Specific Management of Soil Pests Using Molecular Quantification, Remote Sensing, and Field Scouting.” California Department of Pesticide Regulation. Co-PI. PI Alexander Putman (UCR Plant Pathology and Microbiology). Total grant \$485,314. July 1, 2017-May 1, 2020.
\$19,977	“Refining Anaerobic Soil Disinfestation for Disease Management in Strawberry and Apple Production.” USDA-NIFA-Methyl Bromide Transitions Program. Co-PI. Carol Shennan (UCSC Environmental Studies) PI. September 1, 2016-August 31, 2019.
\$34,660	“Integrated Approaches to Replace Methyl Bromide in Strawberry Production: Strategies for Soilborne Disease Management.” California Department of Pesticide Regulation. Co-PI. Krishna Subbarao (UCD Plant Pathology) PI. July 1, 2015-June 20, 2018.
\$37,790	“Systems Approaches to Replace Methyl Bromide in Strawberry Production: Strategies for Soilborne Disease Management.” Methyl Bromide Transitions Program, NIFA, USDA. Co-PI. Krishna Subbarao (UCD Plant Pathology) PI. Total grant \$443,727. September 1, 2014-September 30, 2017.
\$0	“Development of a Mobile Steam Applicator to Replace Fumigants for Strawberry.” California Department of Pesticide Regulation. Co-PI. Steve Fennimore (UCD Plant Sciences) PI. Total grant \$294,612. July 1, 2013-July 31, 2016.
\$19,744	“Seasonal Differentiation and Trade in Fresh Fruits and Vegetables.” Giannini Foundation of Agricultural Economics. July 1, 2015-June 30, 2016.
\$35,075	“Integrated Fumigant and Nonfumigant Soil Disinfestation Systems for Flowers and Strawberry. NIFA Methyl Bromide Alternatives Program, USDA. Co-PI. Steve Fennimore (UCD Plant Sciences) PI. September 1, 2013-August 31, 2016.
\$120,800	“Optimal Institutional Choices for Agricultural Producers.” Agriculture and Food Research Initiative Competitive Grants Program, USDA. January 1, 2014-June 30, 2015.
\$639,190	“Economic Effects of CDPR Regulations on California Agriculture.” California Department of Food and Agriculture. July 1, 2011-June 30, 2015.

\$153,179	“Biology and Management of Spotted Wing Drosophila on Stone and Small Fruits. NIFA Specialty Crop Research Initiative, USDA. Co-PI. Frank Zalom (UCD Entomology and Nematology) PI. July 1, 2010-February 28, 2015.
\$59,935	“Energy Efficient Steam Soil Disinfestation Systems for Flower and Strawberry.” USDA-NIFA Methyl Bromide Alternatives Program, USDA. Co-PI. Steve Fennimore (UCD Plant Sciences) PI. September 1, 2011-August 31, 2013.
\$19,904	“Understanding the Role of Marketing Orders in California Agriculture.” Giannini Foundation of Agricultural Economics. July 1, 2012-June 30, 2013.
\$40,000	“Explicit Rules and Fuzzy Standards: Private Food Safety Provision Incentives, Regulatory Design, and Compliance.” Economic Research Service, USDA. August 12, 2009-September 30, 2011.
\$384,398	“Economic Effects of Proposed VOC Emission Reduction Rule on California Agriculture: A Statewide Industry Analysis.” California Department of Food and Agriculture. July 1, 2005-June 30, 2011.
\$175,437	“Encouraging Cooperation between Commercial Producers and Residential Users of an Invasive Species Host: Designing Collective Pest Management Institutions for the Olive Fruit Fly in California. USDA Economic Research Service. September 24, 2007- December 31, 2010.
\$18,000	“Systems to Disinfest Soil with Heat for Flower and Strawberry Production. Co-PI. Steve Fennimore (UCD Plant Sciences) PI. September 1, 2008-August 31, 3010.
\$15,000	“Pest Management for Organic and Conventional California Citrus Production: Landscape-Level Interactions.” Giannini Foundation of Agricultural Economics. July 1, 2009-June 30, 2010.

Invited Research Presentations (2010-present)

“Voluntary Regulation of an Externality under Competition: Are Farmers Good Neighbors?” Australasian Agricultural and Resource Economics Society: Victoria Section. April 2023.

“Global Agricultural Services Trade Development Roundtable.” *China Agricultural*

Economics Review – International Food Policy Research Institute Annual Conference. November 2022.

“Natural Resource Economics: Pest Management.” Gordon Rausser Festschrift. October 2019.

“Farmgate Prices, Retail Prices, and Supermarkets’ Pricing Decisions: An Integrated Approach.” Carlo Russo and Rachael Goodhue. University of Melbourne. July 2015.

“Farmgate Prices, Retail Prices, and Supermarkets’ Pricing Decisions: An Integrated Approach.” Carlo Russo and Rachael Goodhue. Monash University. July 2015.

“FSMA Evaluation Discussion: Research and Data Needs for Evaluating Changes in the Food Industry and Public Health.” Economic Analysis and Food Safety: The Food Safety Modernization Act. Agricultural and Applied Economics Association Post-Conference Workshop, co-sponsored by the Economic Research Service, USDA. August 2013. Washington, DC.

“Economics of Pest Management in Complex Systems” Presented at ETH Zurich. May 2012.

“Liability Rules, Collective Organizations and the Provision of Food Safety.” Economic Research Service, USDA. September, 2011. Washington, DC.

“Spotted Wing Drosophila: Potential Economic Impact of a Newly Established Pest.” Mark P. Bolda, Rachael E. Goodhue and Frank G. Zalom. Symposium: Spotted Wing Drosophila in the Pacific States. Pacific Branch, Entomological Society of America annual meeting. April, 2010. Boise, ID.

“Modeling Processor Market Power and the Incidence of Agricultural Policy: An Exploratory Approach to the Behavioral Model Selection Problem.” Rachael E. Goodhue and Carlo Russo. Invited Paper, National Bureau of Economic Research Agricultural Economics Conference. March, 2010. Boston, MA.

Outreach Presentations (2010-present)

Public testimony, USDA Agricultural Marketing Service hearing on proposed changes to the federal marketing order for walnuts, April 2020. <https://www.ams.usda.gov/rules-regulations/moa/984-california-walnuts/hearing-exhibits>

Department of Pesticide Regulation, California Environmental Protection Agency. “Restricting High-risk Uses of NGNs.” June 2019.

Strategic Management: Case Studies in the Specialty Crops Sector. Executive Program on Nuts and Dried Fruits, II Edition, International Nuts and Dried Fruits Consortium, May 2019, Davis CA

Department of Pesticide Regulation, California Environmental Protection Agency. "Revising 1,3-D Township Caps." February 2019.

UC Davis Alumni Association in Tucson, Arizona. "The Business of Winemaking." October 2017.

Agri-business M.S. program International Week, University of Piura. "Introduction to California Agriculture." September 2017.

Office of Pesticide Consultation and Analysis, CDFA. Ad Hoc Advisory Committee. "Implications of Proposed Pesticide Application Buffers Surrounding Schoolsites." August 2016.

Office of Pesticide Consultation and Analysis, CDFA. Ad Hoc Advisory Committee. "Economic Impacts of the 5/15/13 CDPR Chloropicrin Mitigation Proposal." July, 2014.

University of California Cooperative Extension Ventura County 100 Years of Cooperative Extension Celebration. "Economics of California Agriculture: A Brief Overview." January 2014.

Office of Pesticide Consultation and Analysis, CDFA. Ad Hoc Advisory Committee. "Effects of Proposed Chloropicrin Use Rules on Ventura County Strawberries." August 2013.

U.S. Congressional Staffers Lunch Series. "Market Forces or Regulation? Organization of Agricultural and Natural Resource Markets. Washington, D.C. May 2013.

Office of Pesticide Consultation and Analysis, CDFA. Ad Hoc Advisory Committee. "Potential Economic Impacts of the February 1, 2010 DPR Draft Regulations to Address Pesticide Drift and Runoff to Protect Surface Water: Case Study Analysis." September 2011.

Invited Short Courses Taught

"Agricultural Prices." International Master of Agro-Food Marketing, Agronomic Mediterranean Institute of Zaragoza, Spain. October, 2021.

"Agricultural Prices." International Master of Agro-Food Marketing, Agronomic Mediterranean Institute of Zaragoza, Spain. October, 2019.

"Agricultural Prices." International Master of Agro-Food Marketing, Agronomic Mediterranean Institute of Zaragoza, Spain. October, 2017.

- “Agricultural Prices.” International Master of Agro-Food Marketing, Agronomic Mediterranean Institute of Zaragoza, Spain. October, 2015.
- “Agricultural Prices.” International Master of Agro-Food Marketing, Agronomic Mediterranean Institute of Zaragoza, Spain. October, 2013.
- “Vertical Coordination in Agro-food Systems: Market Power, Transaction Costs and Quality.” Istituto di Economia Agro-alimentare, Università Cattolica del Sacro Cuore, Cremona Italy June 2013.
- “Agricultural Prices.” International Master of Agro-Food Marketing, Agronomic Mediterranean Institute of Zaragoza, Spain. October, 2011.

Graduate Students Supervised

- Sam Raburn. Ph.D. in progress
- Isabelle Picciotto. Ph.D. in progress (co-chair)
- Yanan Zheng. Ph.D. in progress
- Marieke Fenton. Ph.D. in progress
- James Keeler. Ph.D. in progress
- Ria DeBiase. M.S. in progress
- Yujing Song. Ph.D. 2023. Researcher, Peking University (co-chair)
- Hanlin Wei. Ph.D. 2021. Assistant Professor, China Agricultural University
- Tor Tolhurst. Ph.D. 2020. Assistant Professor, Purdue University
Best Dissertation Award, UC Davis Agricultural and Resource Economics
- Heidi Schweizer. Ph.D. 2018. Assistant Professor, North Carolina State University (co-chair)
- Brittney Goodrich. Ph.D. 2017. Assistant Cooperative Extension Specialist, University of California, Davis
- K. Aleks Schaefer. Ph.D. 2017. Assistant Professor, Oklahoma State University
Best Dissertation Award, Agricultural and Applied Economics Association
Best Dissertation Award, UC Davis Agricultural and Resource Economics
- Zoë Plakias. Ph.D. 2016. Assistant Professor, The Ohio State University
Richardson-Applebaum Scholarship Award for Best Ph.D. Dissertation, Food Distribution Research Society
- Derek Farnsworth. Ph.D. 2014. Associate Professor, University of Florida (co-chair)
- Yan Xu. M.S. 2013. UC Davis Ph.D. program
- Peter Howard. Ph.D. 2012. Economics Director, Institute for Public Integrity, New York University
- Kelly Grogan. Ph.D. 2010. Associate Professor, University of Florida
- Sandhyarani Patlolla. Ph.D. 2010. Lecturer, University of San Francisco (co-chair)
- Kelly Cobourn. Ph.D. 2009. Associate Professor, Virginia Tech (co-chair)
Best Dissertation Award, Agricultural and Applied Economics Association
Best Dissertation Award, UC Davis Agricultural and Resource Economics
- Henry An. Ph.D. 2009. Associate Professor, University of Alberta
- Kiara Groves Corrigan. Ph.D. 2009. Senior Research/Data Scientist, Hewlett-Packard Labs

Carlo Russo. Ph.D. 2008. Associate Professor, University of Cassino (co-chair)
Gregory McKee. Ph.D. 2006. Professor, University of Nebraska
Sandeep Mohapatra. Ph.D. 2004, Associate Professor, University of Alberta (co-chair)
Sandra Gonzalez Camarena. M.S. 2003. Professor, Sacramento City College
Frank Han. Ph.D. 2003. Senior Vice President, Wells Fargo
Corinne Alexander. Ph.D. 2003. Professor, Purdue University. Deceased

Post-doctoral Scholars Supervised

Ashley Spalding (2021 to 2022, Researcher, Economic Research Service, U.S. Department of Agriculture)
Daniel Tregeagle (2017-2019, Assistant Professor, North Carolina State University)
Susan Stratton Sayre (2008-2009, Associate Professor, Smith College)

Professional Service

Editorial Boards

Associate Editor, *Agricultural and Food Economics*. 2012-present.
Associate Editor, *California Agriculture*. 2010-present
Associate Editor, *American Journal of Agricultural Economics*. 2006-2009.
Editorial Council, *Journal of Agricultural and Resource Economics*. 2006.
Associate Editor, *Agricultural Economics*. 2007-2015.
Associate Editor, *Journal of Industrial Organization Education*. 2005.
Editorial board member, *Review of Industrial Organization*. 1999-present.

Professional Organizations

Agricultural and Applied Economics Association

Specialty Crop Economics section. Chair-elect 2022-2023.
Presenter. "The Elevated Role of Competitive Grants in Measuring Faculty Success and Funding Departmental Operations." Agricultural and Applied Economics annual meeting. 2022.
Employment Services Committee. Chair, 2014-2015. Member, 2012-2014, 2005-8.
Outstanding Doctoral Dissertation Award Subcommittee Chair, 2013-2014, 2007-8, 2006-7. Member, 2012-2013, 2005-6.
Communications and Publications Committee. Member, 2002-2005.
Selected Paper Reviewer for 1999, 2001, 2002, 2003, 2006, 2007, 2008, 2010 Annual Meetings, American Agricultural Economics Association.
Presenter in American Agricultural Economics Association Graduate Student Section organized symposium at annual meeting, "Guidelines for Writing and Submitting Journal Articles. 2005.
Student Section Quiz Bowl judge, 1999 Annual Meeting

Western Agricultural Economics Association

Outstanding Published Research Committee. Chair, 2013. Member, 2005, 2004.
Outstanding M.S. Thesis Award Committee Member. Member, 2002.
Selected Paper Reviewer for 1997 Annual Meeting.

Other

American Economics Association, Committee on the Status of Women in the Economics Profession, Mentor for Mid-Career Mentoring Event. 2022.
European Association of Environmental and Resource Economics, Annual Conference Program Committee member, 2020, 2012.
Fifth World Conference of Environmental and Resource Economists Program Committee member, 2014.
International Industrial Organization Society, Best Paper in the *Review of Industrial Organization* by a Younger Scholar selection committee. 2008, 2009, 2010.

Service to Other Academic Institutions

External Reviewer, undergraduate program in Agribusiness and Food Industry Management, California Polytechnic University-Pomona. 2019.
Outside Member, Level D (Professor) Selection Panel, Department of Economics, Monash University. 2018, 2020, 2021.
Expert Reviewer, Candidates for Professorship in Agricultural and Food Business Economics, Department/Center of Life and Food Sciences at Weihenstephan, Technical University, Munich. 2017.
External Reviewer, Department/Center of Life and Food Sciences at Weihenstephan, Technical University, Munich. 2014.
External Reviewer, undergraduate program in Food Marketing and Agribusiness Management, California Polytechnic University-Pomona. 2012.
Honors Program External Examiner in Economic Development. Swarthmore College, 2003.

Public Service

Member, search advisory committee for research scientist, Office of Pesticide Consultation and Analysis, California Department of Food and Agriculture. 2022.
Member, Advisory Board. California Department of Food and Agriculture, Office of Pesticide Consultation and Analysis. 2021
Member, International Nut and Dried Fruit Consortium Sustainability Working Group. 2021-2023.
Member, Committee on Assessment of Native Seed Needs and Capacities, Board on Agriculture and Natural Resources, National Academies of Sciences, Engineering and Medicine. 2020-2022.
Chair and Public Member, California Walnut Board. 2017-2023.
Public Member, California Walnut Commission. 2017-2023.
Ad Hoc Reviewer, National Science Foundation. 2020.

Reviewer, USDA Natural Resource Conservation Service case studies. 2020.

Member, International Nut and Dried Fruit Consortium Sustainability, Scientific, and Government Affairs Committee. 2019-2020.

Chair, California Walnut Board Marketing Order Revision Committee. 2017-2021.

Public Member Alternate, California Walnut Board. 2015-2017.

Public Member Alternate, California Walnut Commission. 2015-2017.

Member, California Walnut Board Research Committee. 2015-2019.

Chair, California Walnut Board/Commission Joint Committee on Diversity. 2015-2021.

Member, search advisory committee for group leader, Office of Pesticide Consultation and Analysis, California Department of Food and Agriculture. 2016.

Member, grant review panel, Crop Protection and Pest Management Program, National Institute of Food and Agriculture, US Department of Agriculture, 2014.

Speaker, "Pricing, Institutions, and Information: A Few Observations from California Agriculture," Texas Cattle Feeders Association Markets Committee, Amarillo, Texas, October, 2011

Speaker, "Contracting without Spot Markets," National Pork Producers' Council Competitive Markets Policy Committee meeting, January, 2011.

Speaker, "Trends in Agriculture" panel, U.S. Department of Justice and U.S. Department of Agriculture keynote public workshop regarding competition in U.S. agriculture. March, 2010.

Member, Committee for the Review of the U.S. Department of Agriculture's Animal and Plant Health Inspection Service Response to Petitions to Reclassify the Light Brown Apple Moth as a Non-Actionable Pest. Board on Agriculture and Natural Resources, Division on Earth and Life Studies, National Research Council of the National Academies.

Invited participant, International conference on Agriculture and its Contribution to Society. Federal Office for Agriculture, Switzerland. Chermey, Switzerland. October, 2004.

Invited participant, PREISM workshop. Economic Research Service, USDA and Farm Foundation. August, 2004.

Invited participant. Establishing a Research Database of Agricultural Contracts workshop. Economic Research Service, USDA and Farm Foundation. May, 2004.

Member, technical advisory committee. State Water Resources Control Board-funded project "Implementing IPM/BMP to Reduce OP and Pyrethroid Runoff in Agricultural Land, San Joaquin Watershed." 2007-2009.

University of California Service

University of California: systemwide

Member, University of California Academic Council, 2016-18.

Member, University of California Academic Council Special Committee on Agriculture and Natural Resources. 2011-2016.
Academic Senate representative, UC President's Food Initiative. 2014.
Davis Representative, Academic Advisory Committee to the Special Committee to Consider the Selection of a President. 2013.
Member, Joint Administrative/Academic Senate Workgroup on Academic Graduate Student Issues, University of California. 2012.
Chair, Academic Senate Task Force on Competitiveness in Academic Graduate Student Support. 2011-2012.
Member, Academic Planning Council. University of California administration/Academic Senate Academic Council joint committee. 2011-2012.
Member, Academic Council. University of California Academic Senate. 2011-2012.
Vice Chair, University of California Coordinating Committee on Graduate Education. 2010-2011.
UC Davis representative, University of California Coordinating Committee on Graduate Education. 2009-2010.

University of California, Davis

Case study subject and presenter. Faculty Leadership Academy. 2022.
Member, Senate-Administration Policy Review Group on Academic Department Websites. 2021-2022.
Mentor, Graduate Students of Color program. 2020, 2021.
Member, Undergraduate Council. 2020-2022.
Chair, Step Plus Assessment Special Committee. 2019-2020.
Member, Academic Professional Development and Leadership Portal working group. 2017-2018.
Member, SEA Change Planning Group. 2018.
Member, internal UCD Aggie Square working group. 2017-18.
Member, joint UCD-Sacramento Aggie Square working group. 2017-18.
Member, UCD Strategic Planning Steering Committee. 2017-2018.
Member, Chief Campus Counsel Recruitment Advisory Committee. 2017-2018.
Member, Chief Government and Community Relations Officer Recruitment Advisory Committee. 2017-2018.
Member, UC Davis Chancellor Search Advisory Committee, 2016-2017.
Member, Chancellor's Working Group on Ensuring Freedom of Expression at UC Davis, 2017.
Member (ex officio), UC Davis Foundation Board, 2016-2018.
Member (ex officio), UC Davis Campaign Steering Committee, 2016-2018.
Chair, Search Advisory Committee for Associate Vice Chancellor for Diversity. 2016.
Member, Search Advisory Committee for the Director of the World Food Center. 2015-2016.
Chair, Search Advisory Committee for Executive Director, Academic Senate. 2015.
Member, UC Davis Extension Dean's Advisory Board. 2015-2017.
Member, Chancellor's Task Force on the University for the 21st Century. 2014-2015.
Co-chair, Joint Administration-Academic Senate Oversight Task Force on Faculty Salary Equity Analyses. 2014-2015.

Member (ex officio), Step-Plus Implementation Advisory Committee. 2014-2015.
 Member, joint Academic Senate/Provost Task Force on the Academic Organization of UC Davis. 2013-2014.
 Member, Joint Administration/Academic Senate WASC Accreditation Steering Committee. 2012-2014.
 Member, Academic Senate WASC Steering Committee. 2012-2014.
 Member, Executive Council, Academic Senate. 2012-2018.
 Member, Provost's Coordinating Committee for Self-Supporting Degree Programs. 2012-2014.
 Member, joint administration/Academic Senate task force "Excellence in Graduate Education at UC Davis." 2011-2012.
 Member, Academic Senate Representative Assembly Taskforce: Simplifying the Academic Personnel Process, UC Davis. 2011-2012.
 Member (ex officio), Graduate Council, Academic Senate. 2010-2012.
 Member, Academic Planning and Development subcommittee, Graduate Council, Academic Senate. 2011-2012.
 Member, confidential committee regarding an administrative appointment. Office of the Vice Provost- Academic Personnel. 2009-2010.
 Member, Graduate Council, Academic Senate. 2007-2010.
 Chair, Courses subcommittee, Graduate Council, Academic Senate. 2007-2009.
 Fellowship application reviewer for Graduate Council Support and Welfare subcommittee. 2008-2009.
 Member, Committee on Public Service, Academic Senate. 2007-2010.
 Outside member, faculty recruitment committee. Economics Department. 2007-2008.
 Member, Graduate Council ad hoc review committee for the Viticulture and Enology Graduate Group, 2006.
 Graduate Council Support and Welfare subcommittee, University of California Davis Academic Senate. 2004-2005.
 Member of panel "What Worked; What Did Not" for "Strategies for Building an Academic Career." New faculty orientation. 2004.
 Outside member, faculty recruitment committee. Economics Department. 2001-2002.
 MURALS supervisor (Mentoring Undergraduate Researchers in Agriculture, Letters and Science). 2001-2002.

University of California Giannini Foundation of Agricultural Economics

Member, Executive Committee, 2016-present.
 Organizer for research symposium "Information, Institutions, and Industrial Organization." 2005.

University of California Division of Agriculture and Natural Resources

Member, Search Advisory Committee for ANR Associate Vice Provost, 2023.
 Member, ANR Strategic Plan Implementation Group, 2017.
 Member, Strategic Planning Committee, Agricultural Issues Center. 2016-17.
 Member, Search Advisory Committee for ANR Vice Provost, 2016.
 Member, Search Advisory Committee for ANR Associate Vice Provost, March-April 2014.

Academic Senate Representative, Program Council. 2012-2014.
Member, Search Advisory Committee for Small Farms Center Director. 2007.
Breakout session organizer and presenter, Statewide Conference, February, 2001.
Member, workgroup evaluation committee, agricultural policy and pest management.
2000-2004.

College of Agricultural and Environmental Sciences

Chair, Special Committee on Faculty Allocations. May 2020.
Member, Agricultural Sustainability Institute Review Committee. 2019.
Member, Dean's Council. December 2018-December 2022.
Member, confidential faculty ad hoc committee. January 2014-December 2015.
Chair, College of Agriculture and Environmental Sciences Faculty Personnel Committee.
2011-2013.
Member, College of Agriculture and Environmental Sciences Faculty Personnel
Committee. 2010-2011.
Member, College of Agriculture and Environmental Sciences Committee on
Undergraduate Majors and Courses. 2008-2011.
Member, College of Agriculture and Environmental Sciences Graduate Education
committee. 2006-2009.

Department of Agricultural and Resource Economics

Chair, Cooperative Extension Specialist recruitment committee 2015-2016.
Department representative, cluster grants and contracts unit supervisor hiring committee
2014-2015.
Chair, faculty recruitment committee 2013-2014.
Member, Davis-Berkeley agricultural economics Cooperative Extension strategic
planning committee. 2013-2014.
Reviewer, Microeconomic Theory Preliminary Examination. 2014.
Chair, chair's ad hoc committee to update departmental strategic plan. 2012-2013.
Organizer, departmental exhibit at AAEA annual meeting Employer Showcase. 2012-
2013.
Member, chair's ad hoc committee on Cooperative Extension Specialist planning and
position proposal preparation. 2011-2012, 2012-13.
Member, chair's ad hoc committee on departmental strategic planning. 2011-2012.
Member, personnel manager hiring committee. 2010.
Member, ad hoc committee for the self-evaluation for the undergraduate program review.
2009-2010.
Member, undergraduate curriculum committee. 2008-2009.
Member, faculty recruitment committee. 2008-2009.
Member, chair's advisory committee on departmental operations. 2008.
Departmental seminar series co-organizer. 2006-2007.
Member, faculty hiring committee for "Economics of Agriculture" position. 2005-2006.
Hiring committee, financial manager position. 2005-2006.
Reviewer, Microeconomic Theory Ph.D. Preliminary Examination. September 2006.
Reviewer, Econometrics Ph.D. Preliminary Examination. June 2006, September 2006.
Chair, M.S. comprehensive examination committee. June, 2005-September, 2005.

Reviewer, Microeconomic Theory Ph.D. Preliminary Examination. June 2005, September 2005.
Reviewer, Econometrics Ph.D. Preliminary Examination. June 2005, September 2005.
Hiring committee, graduate program coordinator. 2004.
Chair, Graduate Administrative Committee, 2002-2005.
Chair, Applied Microeconomics Ph.D. Preliminary Examination Committee, 2002.
Graduate Administrative Committee, 2001-2002.
Recruitment Committee for position in economics of agriculture. 2001-2002.
Member, Applied Microeconomic Ph.D. Preliminary Examination Committee, 2001.
Hiring Committee, financial manager position, 2001.
Recruitment Committee for position in economics of agriculture. 1999-2000.
Faculty Advisor, Managerial Economics Association for undergraduates. 1998-2001.
Undergraduate Advising Committee. 1998-2001.
Departmental ad hoc committee to redesign the agricultural economics Ph.D. field. 1998.

Faculty Leadership Courses Completed

UC Managing Implicit Bias certificate. March 2019.
Conflict Management for Department Chairs. March 2019.
Strength through Equity and Diversity (STEAD) Faculty Search Committee Workshop.
October 2016
Living the Principles of Community. University of California, Davis. September 2016.
Fostering Inclusive Excellence: Strategies and Tools for Department Chairs and Deans.
University of California Office of the President. May 2016.
Rethinking Mentoring: How to Build Communities of Inclusion, Support and
Accountability. University of California, Davis. January 2016.
Conversations with Donors. University of California, Davis. October 2015.
Breaking Bad: Ways to Create a More Inclusive Campus Culture. April 2015.
Fundraising Essentials. University of California, Davis. April 2015.
Faculty Leadership Development Program. University of California, Davis. 2013-2014.