

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.

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

Past Positions

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

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

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

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

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 and Fellowships

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. 2012.

European Association of Agricultural Economics Best Policy Contribution. 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

Russo, Carlo and Rachael E. Goodhue. "Farmgate Prices, Retail Prices and Supermarkets' Pricing Decisions: an Integrated Approach." *Agribusiness: An International Journal*. Forthcoming.

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

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>

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). 2016.

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.
<<http://www.soc.surrey.ac.uk/JASSS/4/2/6.html>>

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, and Other Non-Refereed Research Publications

Hoffmann, Mark, Alexandra Barbella, Janet Broome, Frank Martin, Mike Stanghellini, Abbie Asche, Greg Vargas, Dan Hodel, Rachael Goodhue, Husein Ajwa, Steven Fennimore. "Improvement and Integration of Field-scale Soil Pasteurization in California: State of Research." 2016 Methyl Bromide Alternatives Conference, November 2016. Available at <https://www.mbao.org/static/docs/confs/2016-orlando/papers/18hoffmannm.pdf>

Hoffmann, M., T. Miller, J. Rachuy, N. Dorn, I. Greene, J. Broome, R. Goodhue and S. Fennimore. "Soil Disinfestation with Steam in California Strawberry Production." 2015 Methyl Bromide Alternatives Conference, November 2015. Available at <https://www.mbao.org/static/docs/confs/2015-sandiego/papers/18hoffmannm.pdf>

Fennimore, S., T. Miller, R. Goodhue, N. Dorn, J. Broome, J. Muramoto, C. Shennan and F. Martin. "Evaluation of an Automatic Steam Applicator in Strawberry: 2012-13 Results." 2013 Methyl Bromide Alternatives Conference, November 2013. Available at <http://mbao.org/2013/Proceedings/11FennimoreS.pdf>

Klonsky, Karen, Rachael Goodhue, Yan XU, Steven Fennimore, Carol Shennan and Joji Muramoto. "Economic Feasibility of Non-fumigant Systems in CA Strawberry Buffer Zones." 2013 Methyl Bromide Alternatives Conference, November 2013. Available at <http://mbao.org/2013/Proceedings/17KlonskyK.pdf>

S. Fennimore, T. Miller, R. Goodhue and K. Subbarao. "Evaluation of an Automatic Steam Applicator in Strawberry." 2012 Methyl Bromide Alternatives Conference, November 2012. Available at <http://www.mbao.org/2012/Proceedings/09FennimoreSsteam%20mbao%202012.pdf>

Goodhue, Rachael E., Susan Stratton Sayre, and Leo K. Simon. "The Sacramento-San Joaquin Delta and the Political Economy of California Water Allocation." Chapter 11 in *Aquanomics*, B. Delworth Gardner and Randy Simmons, editors. 2012.

Goodhue, Rachael E. and Carlo Russo. "Modeling Processor Market Power and the Incidence of Agricultural Policy: A Nonparametric Approach." Chapter 2 in *The Intended and Unintended Effects of U.S. Agricultural and Biotechnology Policies*. Joshua Graff

Zivin and Jeffrey Perloff, editors. Chicago: University of Chicago Press, 2012. pp. 51-81.

Goodhue, Rachael E. "Food Quality: The Design of Incentive Contracts." *ARRE: Annual Review of Resource Economics* 3:119-140. 2011.
<http://arjournals.annualreviews.org/eprint/gJEV6XzJuaT5asmkdQ4Z/full/10.1146/annurev-resource-040709-135037>

Goodhue, Rachael E., Leo K. Simon, and Susan E. Stratton. "Strategic Behaviour in Water Policy Negotiations: Lessons from California." Chapter 14 in *Policy and Strategic Behaviour in Water Resource Management*, Ariel Dinar and Jose Albiac, editors. London: Earthscan Press, 2009.

Fennimore, Steven and Rachael Goodhue. "Estimated Costs to Disinfest Soil with Steam." *2009 Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions: Proceedings*. Available online at www.mbao.org.

Gilbert, Celeste A., Steven A. Fennimore, Krishna Subbarao, Rachael Goodhue, J. Ben Weber and Jayesh Samtani. "Soil Disinfestation with Steam and Solarization for Flower and Strawberry." *2008 Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions: Proceedings*. Available online at www.mbao.org.

An, Henry, Rachael E. Goodhue and Leo K. Simon. "Meeting Quality Requirements Using Agricultural Contracting." In *Contract Farming in India: A Resource Book*. Ashok Gulati, P.K. Joshi, and Maurice Landes, editors. Indian Council of Agricultural Research (New Delhi, 2008). Available at http://www.icar.org.in/contract_%20farming/index.htm.

Goodhue, Rachael E. and Sandra Hoffmann. "Reading the Fine Print in Agricultural Contracts: Boilerplate, Risk and Returns." *American Journal of Agricultural Economics*. 88(5):1237-1243. December, 2006.

Goodhue, Rachael E. and Steven A. Fennimore. "Strawberry Production Economics: VIF and Drip-Applied 1,3-D and Chloropicrin." *2005 Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions: Proceedings*. Available online at www.mbao.org.

Goodhue, Rachael E., Steven A. Fennimore and Husein Ajwa. "Economics of VIF Use with Inline and PIC EC in California Strawberries." *2004 Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions: Proceedings*. Available online at www.mbao.org.

Goodhue, Rachael E., Steven A. Fennimore and Husein Ajwa. "Economics of Methyl Bromide Use in California Strawberries: CUE Criteria." *2004 Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions: Proceedings*. Available online at www.mbao.org.

Fennimore, Steven A., John M. Duniway, Frank N. Martin, Gregory T. Browne, Zahangir Kabir, Christopher Q. Winterbottom, Husein A. Ajwa, Becky B. Westerdahl, Rachael E. Goodhue and Milton J. Haar. "Alternative Fumigants for Strawberry Nursery Production in California: A Summary." *2004 Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions: Proceedings*. Available online at www.mbao.org.

Klonsky, Karen, Rachael E. Goodhue and Guillaume Gruere. "Farmer Views of Conservation and Stewardship in California." In *Compensatory Options for Conserving Agricultural Lands: Papers from a California Conference*. Alvin Sokolow and Nora DeCuir, editors. Agricultural Issues Center, Division of Agriculture and Natural Resources, University of California. December, 2003.

Rausser, Gordon C. and Rachael E. Goodhue. "Public Policy: Its Many Analytical Dimensions." *Handbook of Agricultural Economics*. Bruce Gardner and Gordon Rausser, editors. Chapter 37, Volume 2B. Elsevier Science Publishers, 2002.

Goodhue, Rachael E. and Gordon C. Rausser. "Production and Marketing." *Handbook of Agricultural Economics*. Bruce Gardner and Gordon Rausser, editors. Chapter 21, Volume 1B. Elsevier Science Publishers, 2001.

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Goodhue, Rachael E. "Input Control in Agricultural Production Contracts." *American Journal of Agricultural Economics*. 81(3):616-620. August, 1999.

Goodhue, Rachael E. and Gordon C. Rausser. "Value Differentiation in Agriculture: Driving Forces and Complementarities." Chapter Five in *Vertical Relationships and Coordination in the Food System*. Giovanni Galizzi and Luciano Venturini, editors. Physica-Verlag Publishers. Heidelberg, 1999.

Technical Reports to Government Agencies

Goodhue, Rachael, Karen Klonsky, Christopher DeMars and Robert Van Steenwyck. Draft Regulation Regarding Pesticide Applications near Schoolsites: Potential Economic Effects for Agriculture. University of California, Davis. Prepared for California Dept. of Food and Agriculture, Office of Pesticide Consultation and Analysis. September 2016. http://www.cdpr.ca.gov/docs/legbills/rulepkgs/16-004/economic_effects.pdf

Klonsky, Karen, Christopher DeMars, Amanda Faig, Rachael Goodhue and Melissa Schweisguth. "Economic Impacts of the 5/15/2013 California Department of Pesticide Regulation Chloropicrin Mitigation Proposal." Final Report submitted to the California Department of Food and Agriculture. November 2014.

Goodhue, Rachael, Peter Howard, Karen Klonsky and Kaitlyn Smoot. "Potential Economic Impacts of the February 10, 2010 Department of Pesticide Regulation Draft Restrictions to Address Pesticide Runoff and Drift to Protect Surface Water: Case Study Analysis." Final report submitted to the California Department of Food and Agriculture. September, 2011.

Goodhue, Rachael, Peter Howard and Richard Howitt. "Costs of Methyl Iodide Non-registration: Economic Analysis." Final report submitted to the California Department of Food and Agriculture. May, 2010.

Goodhue, Rachael, Richard Howitt, Peter Howard and Henry An. "Effects of the January, 2008 CDPR Field Fumigation Regulations: Ventura County Case Study." Final report submitted to California Department of Food and Agriculture. April, 2009. www.cdffa.ca.gov/files/pdf/GoodhueHowitt042309.pdf.

McKee, Gregory J., Colin A. Carter, James A. Chalfant, Rachael E. Goodhue and Frank G. Zalom. "Pesticide Resistance, Population Dynamics, and Invasive Species Management." Contractor and Cooperator Report No. 43. Economic Research Service, United States Department of Agriculture. July, 2008.

Goodhue, Rachael, Richard Howitt, and Peter Howard. "Effects of Proposed VOC Emission Reduction Rule on California Agriculture: A Statewide Industry Analysis." Interim report submitted to the California Department of Food and Agriculture. June, 2007.

Goodhue, Rachael E. and Kiara Groves. "Evaluating the Economic Impact of Eliminating Fumigation in the San Joaquin Valley: Carrots and Onions." Interim report submitted to the California Department of Food and Agriculture. February, 2006.

Goodhue, Rachael E. and Karen Klonsky. "A General Methodology for Evaluating the Determinants of Pest Control Decisions." Final report submitted to the California Department of Pesticide Regulation. March, 2004.

Carter, Colin A., James A. Chalfant and Rachael E. Goodhue. "Economic Analysis of January 2001 California Department of Pesticide Regulation (DPR) Regulations on Strawberry Field Fumigation." Final report submitted to the California Department of Food and Agriculture. June, 2002.

Outreach Publications

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Goodhue, Rachael and Philip Martin. "Labor, Water, and California Agriculture in 2014." *ARE Update* 17(4) March/April 2014. http://giannini.ucop.edu/media/are-update/files/articles/V17N4_2.pdf

Xu, Yan, Steven A. Fennimore, Rachael E. Goodhue, Karen Klonsky and Thomas Miller. "Buffer Zone Regulations and Alternatives to Pre-plant Soil Fumigation: Using Steam in California Strawberry Production." *ARE Update* 17(3) January/February 2014. http://giannini.ucop.edu/media/are-update/files/articles/V17N3_4.pdf

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Goodhue, Rachael, Peter Howard, and Richard Howitt. "Costs of Methyl Iodide Non-registration: Economic Analysis." *Agricultural and Resource Economics Update*, University of California, Giannini Foundation 13(5) May/June 2010.

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An, Henry, Rachael E. Goodhue, Peter Howard and Richard E. Howitt. "Reducing Volatile Organic Compound Emissions from Pre-plant Soil Fumigation: Lessons from the 2008 Ventura County Emission Allowance System" *Agricultural and Resource Economics Update*, University of California, Giannini Foundation 12(5) May/June 2009.

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Goodhue, Rachael E. and Phillip L. Martin. "Introduction to the Issue. Special Issue: Issues in the California Wine and Grape Industry." *Agricultural and Resource Economics Update*, University of California, Giannini Foundation. 11(4) March/April 2008.

Goodhue, Rachael E. and Leo K. Simon. "Agricultural Contracts and Risk Management." Pages 18-22 in *Beating the Odds: Reducing Market Risk for Specialty Crops*, Shermain Hardesty, editor. United States Department of Agriculture Risk Management Agency and Division of Agriculture and Natural Resources University of California. 2007.

Alexander, Corinne, Rachael E. Goodhue, Sandeep Mohapatra, and Gordon C. Rausser. "Effects of Price Premiums for Multiple Product Attributes on Product Quality: California Processing Tomatoes." Prepared for AgMRC, November, 2006. <http://www.agmrc.org/NR/rdonlyres/2A5702E3-DAD5-45BF-941B-814D06F65443/0/PricePremiumsProcTomatoes.pdf>.

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Carter, Colin A., James A. Chalfant, Rachael E. Goodhue and Wensi Zhang. "How Large is China's Strawberry Industry?" *California Strawberry Commission*. June, 2005. Four pages.

Gonzalez, Sandra, Rachael E. Goodhue, Peter Berck, and Richard E. Howitt. "What Would Happen if Federal Farm Subsidies Were Eliminated? Evidence for Colusa and Tulare Counties." *Agricultural and Resource Economics Update*, University of California, Giannini Foundation. 8(5). May/June 2005.

Goodhue, Rachael E., Kiara Groves and Rick T. Roush. "Pesticide Use and Air Quality in the San Joaquin Valley." *Agricultural and Resource Economics Update*, University of California, Giannini Foundation. 8(4). March-April, 2005.

Goodhue, Rachael E., Nancy McCarthy and Monica Di Gregorio. "Fuzzy Access: Modeling Grazing Rights in Sub-Saharan Africa." Ch. 2 in "Collective Action and Property Rights for Sustainable Rangeland Management." Research Brief, CGIAR System-wide Program on Collective Action and Property Rights. February, 2005.

Carter, Colin A., James A. Chalfant, Rachael E. Goodhue and Sandeep Mohapatra. "Private Sales and Public Information: Does the USDA's National *Berry Report* Provide Information on the Relationship between the Spot Market and Pre-committed Sales?" Agricultural Marketing Resource Center; Agricultural Issues Center, University of California; and Department of Agricultural and Resource Economics, University of California, Davis. May, 2004. 11 pages. Summarized in *AgMRC Action*. 1(9). Agricultural Marketing Resource Center. July/August, 2004. P. 7.

Goodhue, Rachael E. and Karen Klonsky. "Explaining Reduced Pesticide Use in Almonds." *Agricultural and Resource Economics Update*, University of California, Giannini Foundation. 7(5). May/June 2004.

Goodhue, Rachael E., Steven A. Fennimore and Husein Ajwa. "Methyl Bromide Alternatives: The Potential for Significant Market Disruption." *The Pink Sheet*. California Strawberry Commission. Watsonville, CA. 03-08. August 4, 2003.

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)

\$140,143	"Next-Generation Disease Resistance Breeding and Management Solutions for Strawberry." Co-PI. Steven Knapp (UCD Plant Sciences) PI. USDA Small Crops Research Initiative. September 1 2017-August 31, 2021.
\$125,685	"Integrating Anaerobic Soil Disinfestation, Crop Rotation and Variety for Disease Management in Strawberry Production." Co-PI. Carol Shennan (UCSC Environmental Studies) PI. 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, 2018.
\$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. Alexander Putman (UCR Plant Pathology and Microbiology) PI. 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, 2017.
\$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.
\$12,943.	“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, 2010.
\$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)

“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)

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.

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, 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

Heidi Schweizer (Ph.D., current)
Tor Tolhurst (Ph.D., current)
Brittney Goodrich (Ph.D. expected June 2017, Auburn University)
K. Aleks Schaefer (Ph.D. expected August 2017, World Bank)
Zoë Plakias (Ph.D. 2016, The Ohio State University)
Derek Farnsworth (Ph.D. 2014, University of Florida)
Yan Xu (M.S. 2013, UC Davis Ph.D. program)
Peter Howard (Ph.D. 2011, New York University)
Kelly Grogan (Ph.D. 2010, University of Florida)
Sandhya Patlolla (Ph.D. 2010, San Francisco State University)
Kelly Cobourn (Ph.D. 2009, Virginia Tech)
Henry An (Ph.D. 2009, University of Alberta)
Kiara Groves Corrigan (Ph.D. 2009, Hewlett-Packard Labs)
Carlo Russo (Ph.D. 2008, University of Cassino)
Gregory McKee (Ph.D. 2006, University of Nebraska)
Sandeep Mohapatra (Ph.D. 2004, University of Alberta)
Sandra Gonzalez (M.S. 2003, Yuba College)
Frank Han (Ph.D. 2003, Wells Fargo)
Corinne Alexander (Ph.D. 2003, Purdue University, deceased)

Professional Service

Editorial Boards

Associate Editor, *Agricultural and Food Economics*. 2012-2014.
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

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

Fifth World Conference of Environmental and Resource Economists Program Committee member, 2014.

European Association of Environmental and Resource Economics, Annual Conference Program Committee member, 2012.

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, 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

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

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

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

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.
- Chair, University of California Coordinating Committee on Graduate Education. 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 (campus)

- Chair, Davis Division of the Academic Senate, University of California, 2016-2018.
- 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 Institute. 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.

Chair, Graduate Council, Academic Senate. 2012-2014.

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. 2012-2014.

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. 2009-2012.

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 (systemwide)

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

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, CE 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 CE 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 CE 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

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.
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