

Christine L. Carroll

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CURRENT FACULTY APPOINTMENT

California State University, Chico

Assistant Professor

August 2016-present

Supervisor: Dr. John Unruh (530) 898-5844

Courses taught: Agricultural Production Economics and Quantitative Analysis (ABUS 301), Agribusiness Management (ABUS 321), and Agricultural Policy (ABUS 451)

EDUCATION

University of California at Davis, Davis, California

Ph.D. in Agricultural and Resource Economics

2015

Arizona State University, Phoenix, Arizona

B.Sc. *summa cum laude* in Economics, Mathematics Minor

2009

OTHER APPOINTMENTS

Cornell University

Faculty Associate

August 2017-present

Dynamics, Economics, Econometrics, Policy, and Games: Rigorous Environmental, Energy, Natural Resource, Agriculture, and Development Analysis and Research (DEEP-GREEN-RADAR)

Supervisor: Dr. C.-Y. Cynthia Lin Lawell (607) 255-4707

University of California, Davis

Postdoctoral Scholar

September 2015-July 2016

Supervisor: Dr. Colin Carter (530) 752-6054

Duties: Conduct research on the economic impact of viroid diseases on tomatoes.

University of California, Davis

Graduate Research Assistant

September 2011-August 2015

Supervisor: Dr. Colin Carter (530) 752-6054

Duties: Conduct research on the economic impact of Verticillium wilt on lettuce grown on California's central coast.

HONORS & AWARDS

Graduate Student Travel Award, University of California at Davis

2014

Eugene Cota-Robles Fellowship, University of California at Davis

2009-2011

Arizona State University National Merit Finalist Scholarship

2005-2009

Chase Scholar

2009

George D. Paulsen International Distinguished Engagement Award	2007
Arizona State University College of Design Athena Scholarship	2005
ACE (Architecture, Construction, Engineering) Mentor Scholarship	2005
American Association of University Women Technology Award	2005

PEER-REVIEWED PUBLICATIONS

Carroll, Christine L., Colin A. Carter, Rachael E. Goodhue, and C.-Y. Cynthia Lin Lawell, “Crop Disease and Agricultural Productivity: Evidence from a Dynamic Structural Model of Verticillium Wilt Management”, In Wolfram Schlenker (Ed.), *Agricultural Productivity and Producer Behavior* (pp. 217-249). Chicago: University of Chicago Press. (2019).

Carroll, Christine L., Colin A. Carter, Rachael E. Goodhue, C.-Y. Cynthia Lin Lawell, and Krishna V. Subbarao, “A Review of Control Options and Externalities for Verticillium Wilts”, *Phytopathology*. 108(2) (2018) 160-171.

Carroll, Christine L., Colin A. Carter, Rachael E. Goodhue, C.-Y. Cynthia Lin Lawell, and Krishna V. Subbarao, “The Economics of Managing Verticillium Wilt, an Imported Disease in California Lettuce”, *California Agriculture*. 71(3) (2017) 178-183.

Carter, Colin A., James A. Chalfant, Navin Yavapolkul and Christine L. Carroll, “International Commodity Trade, Transport Costs, and Product Differentiation”, *Journal of Commodity Markets*. 1(1) (2016) 65-76.

OTHER PUBLICATIONS

Carroll, Christine L., Diane Charlton, and Emilia Tjernström, “Price Premiums for Organic Strawberries”, *Agricultural and Resource Economics Update*. 16 (2012) 12-14.

Carroll, Christine L., Colin A. Carter, and Krishna Subbarao, “California Lettuce Industry Threatened by Imported Pathogen”, *Agricultural and Resource Economics Update*. 15 (2012) 9-11.

WORKING PAPERS

Carroll, Christine L., Colin A. Carter, Rachael E. Goodhue, and C.-Y. Cynthia Lin Lawell, “The Economics of Decision-Making for Crop Disease Control”, (Revise and resubmit, *American Economic Journal: Microeconomics*).

Carroll, Christine L., Colin A. Carter, Rachael E. Goodhue, and C.-Y. Cynthia Lin Lawell, “Supply Chain Externalities and Agricultural Disease”, Working paper. (2020).

PROFESSIONAL PRESENTATIONS

“Crop Disease and Agricultural Policy”

- NBER Understanding Productivity Growth in Agriculture Conference, Cambridge, MA, May 11-12, 2017.

“Short- vs. Long-Term Decision-Making for Disease Control: A Dynamic Structural Econometric Model of Verticillium Wilt Management”

- Agricultural Economics Workshop, Department of Agricultural and Resource Economics, University of California at Davis, CA, December 3, 2015.
- College of Agriculture Seminar, California State University, Chico, CA, October 30, 2015.

“Global Trade Analysis: Benefit and Cost Implications of Tomato Viral Diseases”

- Tomato Disease Workshop, Baton Rouge, LA, October 5, 2015.

“Controlling an Imported Disease in California Lettuce: A Dynamic Structural Model of Short- vs. Long-Term Decision-Making”

- Association of Environmental and Resource Economists (AERE) 4th Annual Summer Conference, San Diego, CA, June 5, 2015.
- Heartland Environmental and Resource Economics Workshop at Illinois, Champaign, IL, November 1, 2014.

“Project Meeting Report: Understanding the Global Virus Distribution in Tomato and Development of Translational Genomic Tools to Accelerate Breeding for Resistance”

- Tomato Breeders’ Round Table, Asheville, NC, September 14, 2014.

“Externalities Associated with Imported Spinach Seeds”

- Poster Presentation at Agricultural and Applied Economics Association (AAEA) Annual Meeting, Minneapolis, MN, July 27-29, 2014.
- Giannini Agricultural and Resource Economics Student Conference, Davis, CA, April 19, 2014.

“Bioeconomic Modeling of an Imported Disease in California Lettuce”

- Pests, Germs, and Seeds: The Economics of Policies, Programs, and Technologies for Managing Agricultural Pests and Diseases, Davis, CA, March 29, 2014.
- Agricultural and Applied Economics Association (AAEA) Annual Meeting, Washington, D.C., August 6, 2013.
- Interdisciplinary Graduate and Professional Student (IGPS) Symposium, Davis, CA, April 4, 2013.

GRANTS

“Beyond Bt: The economic feasibility of biopesticides.” Principal Investigator and Project Director. California State University (CSU) Agricultural Research Initiative (ARI) Seed Funding. May 2017. (\$5,000)

TEACHING EXPERIENCE

California State University, Chico

ABUS 301: Agricultural Production Economics and Quantitative Analysis (Fall 2017, Spring 2018)

ABUS 321: Agribusiness Management (Fall 2016, Spring 2017)

ABUS 451: Agricultural Policy (Fall 2016, Spring 2017, Fall 2017, Spring 2018)

University of California, Davis

ARE 155: Qualitative Analysis for Business Decisions (Teaching assistant, Summer 2013)

SERVICE

Professional

Reviewer, Agricultural and Resource Economics Association Summer Conference (2017)

Referee, *California Agriculture* (2017)

California State University, Chico

Syllabus Committee

Writing Committee

CSU, Chico: College of Agriculture

Curriculum Committee (2016/2017)

Co-Advisor for Sigma Alpha Professional Agricultural Sorority

Co-Advisor for Alpha Zeta, agricultural honor society

Undergraduate advising: Approximately 54 Ag Business students (Program has Mandatory Advising)

MEDIA CITATIONS

"Christine Carroll presented dynamic structural model of agriculture at the NBER". Cornell University Dynamics, Economics, Econometrics, Policy, and Games: Rigorous Environmental, Energy, Natural Resource, Agriculture, and Development Analysis and Research (DEEP-GREEN-RADAR). August 2017. http://deep-green-radar.dyson.cornell.edu/christine_carroll_news_NBER.html

PROFESSIONAL MEMBERSHIPS

Agricultural and Applied Economics Association (AAEA)