

Daniel Tregeagle

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Education

Ph.D. in Agricultural and Resource Economics, University of California, Berkeley, 2017.

Dissertation Title: "The Dynamics of Perennial Crop Production and Processing."

Committee: David Zilberman (chair), Larry Karp, David Romer, Leo Simon.

Fields: Environmental and Resource Economics, Agricultural Policy

M.S. in Agricultural and Resource Economics, University of California, Berkeley, 2012.

Bachelor of Resource Economics (with First Class Honours and the University Medal), University of Sydney, 2010.

Professional Experience

Research

Assistant Professor and Extension Specialist, North Carolina State University. August 2019–Present.

Post-Doctoral Scholar, Agricultural and Resource Economics, University of California, Davis. Supervisor: Prof. Rachael Goodhue. July 2017–July 2019.

Visiting Researcher, School of Economics, University of Sydney, June 2018.

Graduate Research Assistant for Prof. David Zilberman, University of California, Berkeley, Fall 2011–June 2013; Spring 2014; Spring 2015–Spring 2017.

Assistant to Prof. Tony Fisher, helping him prepare and typeset a book of natural resource economics lecture notes, University of California, Berkeley; 2016–2018.

Graduate Economist at the Australian Bureau of Agricultural and Resource Economics and Science, Jan–July 2011.

Summer Intern at the Australian Bureau of Agricultural and Resource Economics and Science, Jan–Feb 2010.

Teaching

Instructor, Master of Development Practice Math Bootcamp, UC Berkeley, Summer 2014–2017 (masters students).

Discipline-Cluster Workshop Leader for Quantitative Social Sciences, UC Berkeley GSI Teaching Conference, Spring 2017 (masters and doctoral students).

Teaching Assistant, ARE 298, Dynamic Modeling (a 2 week intensive course) for Prof. Christian Traeger, April 2015 (doctoral students and professors).

Graduate Student Instructor, ARE 211, Mathematical Methods for Agricultural and Resource Economics for Prof. Leo Simon, UC Berkeley, Fall 2014 (doctoral students).

Graduate Student Instructor, EEP 175, The Economics of Climate Change for Prof. Christian Traeger, UC Berkeley, Fall 2013 (senior undergraduate students).

ARE Departmental Tutor, ECON 204, Mathematical Tools for Economists, UC Berkeley, Summer 2013 (doctoral students).

Teaching Assistant, RSEC1031, Introduction to Resource Economics for Prof. Michael Harris, University of Sydney, Aug–Nov 2010 (freshman undergraduate students).

Peer-Assisted Study Session Facilitator for Introductory Micro- and Macroeconomics, University of Sydney, 2008–2010 (freshmen undergraduate students).

Video Peer Assisted Study Session Facilitator for an Anti-plagiarism Component of 'Business in the Global Environment', University of Sydney, 2009–2010 (freshmen undergraduate students).

Publications

Extension Articles

Blecker, Steven, Steven Fennimore, Rachael Goodhue, Kevi Mace, John Steggall, **Tregeagle, Daniel**, Tor Tolhurst and Hanlin Wei. "Economic Value of the Herbicide Dacthal for Brassica and Allium Crops in California". *ARE Update* 22(2) 2018: 5–8. University of California Giannini Foundation of Agricultural Economics.

Tregeagle, Daniel, and David Zilberman. "Implications of Disrupting a Perennial Crop Replanting Cycle: The Brazilian Sugarcane Example". *ARE Update* 22(1) 2018: 5–8. University of California Giannini Foundation of Agricultural Economics.

Working Papers

Tregeagle, Daniel, and David Zilberman. *The Yield Dynamics of Perennial Crops: An Application to Sugarcane in Brazil*.

Tregeagle, Daniel, and David Zilberman. *Optimal Balanced Age-Structure in a Perennial Crop Field-Refinery Supply Chain*.

Tregeagle, Daniel and Leo Simon. *The Optimal Management of Orchards*. (Job Market Paper)

Goodhue, Rachael, Brittney Goodrich, and **Daniel Tregeagle**. *Implications of the California Clean Environment Initiative (2017) for California Crop Agriculture: An Aggregate Assessment*. A 2500 word digest of the identically named report for a broader audience.

Tregeagle, Daniel, Michael Harris, and Greg Hertzler. *Damaged Goods: A Resource Depletion Model of Addictive Consumption*.

Reports

Rachael Goodhue, Steven Fennimore, **Daniel Tregeagle**, Tor Tolhurst, and Hanlin Wei. *An Economic and Pest Management Evaluation of the Herbicide Dacthal in California Agriculture*. Final Report submitted to the California Department of Food and Agriculture, Office of Pesticide Consultation and Analysis. August 2018.

Goodhue, Rachael, **Daniel Tregeagle**, Tor Tolhurst, Christopher DeMars. *Potential Regulation Regarding Fumigant Application Notifications: Economic Effects for Agriculture in Thirteen Major Agricultural Counties*. Final Report submitted to the California Department of Food and Agriculture, Office of Pesticide Consultation and Analysis. March 2018.

Goodhue, Rachael, Brittney Goodrich and **Daniel Tregeagle**. *Implications of the California Clean Environment Initiative (2017) for California Crop Agriculture: An Aggregate Assessment*. Final report submitted to the California Department of Food and Agriculture, Office of Pesticide Consultation and Analysis. January 2018.

Hughes, Neal, Cheryl Gibbs, Astrid Dahl, **Daniel Tregeagle** and Orion Sanders. *Storage Rights and Water Allocation Arrangements in the Murray-Darling Basin*, Australian Bureau of Agricultural and Resource Economics and Sciences technical report, Canberra, December 2013.

Conference Papers

Tregeagle, Daniel, Leo Simon (2018) *The Optimal Management of Orchards*. Poster presented at the Agricultural and Applied Economics Association Meeting, Washington, DC.

Tregeagle, Daniel, Leo Simon (2018) *The Optimal Management of Orchards*. Presented at the Monash University Early Career Economists Conference, Melbourne, Australia.

Tregeagle, Daniel, Leo Simon (2018) *The Economics of Perennial Orchards with Endogenous Age-Classes*. Presented at the Western Economic Association International Conference, Newcastle, Australia

Tregeagle, Daniel, and David Zilberman (2016) *The Yield Dynamics of Perennial Crops: An Application to Sugarcane in Brazil*, Presented as a lightning talk at the American Applied Economics Association Conference, Boston.

Tregeagle, Daniel, Michael Harris and Greg Hertzler (2011) *Damaged Goods: A Resource Depletion Model of Addictive Consumption*, Presented at the Australian Agricultural and Resource Economics Society Conference, Melbourne

Presentations

Conferences

Annual meeting for SCRI project: 'Next-Generation Disease Resistance Breeding and Management Solutions for Strawberry.' *Strawberries: Recent Trends in Value, Acreage, and Fumigant Use*. UC Davis. Aug 2018.

Monash University Early Career Economists Conference. *The Optimal Management of Orchards*, Jun 2018.

The University of Sydney, Agricultural, Environmental, and Resource Economics Reading Group. *The Optimal Management of Orchards*, Jun 2018.

UC Davis, Agricultural Policy Workshop. *The Economics of Perennial Orchards with Endogenous Age-Classes*, Feb 2018.

Western Economic Association International Conference, Newcastle, Australia (Twice: at the Early-Career Research Workshop and at the Conference). *The Economics of Perennial Orchards with Endogenous Age-Classes*, Jan 2018.

UC Berkeley Agricultural, Food and Resource Policy Workshop. *The Long-run and Transition Behavior of Optimally Managed Perennial Crops*, Spring 2017.

American Applied Economics Association Conference, Boston, USA. *The Yield Dynamics of Perennial Crops: An Application to Sugarcane in Brazil*, 2016.

International Consortium of Applied Bioeconomy Researchers Conference, Ravello, Italy, *The Optimal Management of the Sugarcane-Refinery Supply Chain*. 2016.

Canadian Agricultural Economics Society and Western Agricultural Economics Association Joint Annual Meeting, Victoria, British Columbia. *Explaining the Stagnation of the Brazilian Biofuel Industry: The Role of Sugarcane Renewal*, 2016.

International Consortium of Applied Bioeconomy Researchers Conference, Ravello, Italy. *Interest Rates and the Stagnation of the Brazilian Biofuel Industry*, 2015.

Graduate ARE Student Conference, Riverside, California. *Interest Rates and the Stagnation of the Brazilian Biofuel Industry*, 2015.

Graduate ARE Student Conference, Davis, California. *Optimal Production of Perennials when Processing Matters*, 2014.

Graduate ARE Student Conference, Berkeley, California. *Investment, Age Structure and Sugarcane Yield: Theory and Evidence from Brazil*, 2013.

Energy and Bioscience Institute Retreat, Urbana–Champaign, Illinois. *Financial Considerations and the Productivity of Biofuel in Brazil*, 2013.

Expert Testimony

Steven Fennimore and **Daniel Tregeagle** (co-presenters). *An Economic and Pest Management Evaluation of the Herbicide Dacthal in California Agriculture*. Sworn testimony provided to a public hearing ‘pertaining to chlorthal-dimethyl degradation product residue detections in ground water’. California Environmental Protection Agency. August 29, 2018. Website: https://www.cdpr.ca.gov/docs/emon/grndwtr/chlorthal_dimethyl/chlorthal_dimethyl.htm

Media

Researchers Take a Look into the Future of Strawberries: Survey Coming to Growers to Gauge Interests. California Ag Today. 1 July, 2018. Available at: <https://californiaagtoday.com/researchers-look-future-strawberries/>

Awards

Travel grant (\$400) to attend *The Bio-Economy: Technology and Policy Path Forward* at Rutgers University. Sept 2016.

Outstanding Graduate Student Instructor Award, UC Berkeley, Fall 2013.

University of Sydney Scholarship with Merit, University of Sydney, 2007–2010.

Joane Josephine Harris Bequest Scholarship, University of Sydney, 2007–2010.

Best Oral Presentation – Economics, Agriculture Faculty Honours Conference – University of Sydney, 2010.

Dean’s List of Excellence in Academic Performance, University of Sydney, 2007, 2009–2010.

Academic Merit Prize, University of Sydney, 2009.

Martin McIlrath Scholarship in Agriculture, University of Sydney, 2009.

Clifford Dawson Holliday Prize in Agriculture, University of Sydney, 2009.

Alan Randall Prize in Resource Economics, University of Sydney, 2009.

Most Valuable Facilitator Award (Facilitator’s Choice), Peer-Assisted Students Sessions (PASS) Program, Winter Semester, 2009.

Warren F Musgrave Memorial Prize in Resource Economics, University of Sydney, 2008.

Belmore Scholarship for First Year, University of Sydney, 2007.

Bruce R Davidson Memorial Prize in Resource Economics, University of Sydney, 2007.

Peer Review

Reviewer for *American Journal of Agricultural Economics*, *American Chemical Society Books*, *Climatic Change*, *Global Change Biology – Bioenergy* (2)

Other Training

Certificate of Teaching and Learning in Higher Education, UC Berkeley, 2017.

COMPASS Science Communication Training Workshop, 25 July, 2017

Collaborative Facilitation Training Workshop, UC Cooperative Extension, 30 Nov, 2016

Professional Activities

Discussant at Western Economic Association International Conference, Newcastle, Australia. Jan 2018. (For two sessions).

Graduate ARE Student Conference at Davis, Berkeley Organizer, 2014.

Graduate ARE Student Conference at Berkeley, Chair, Conference Organizing Committee, 2013.

Graduate ARE Student Conference at Davis, Berkeley Organizer, 2012.