

STEVEN E. SEXTON

Sanford School of Public Policy
Duke University
201 Science Drive
Durham, NC 27705

Steven.Sexton@Duke.edu (e)
919 613 9348 (o)
510 543 5825 (c)

APPOINTMENTS

2014 – present	Assistant Professor of Public Policy and Economics Duke University
2014 – present	Faculty Fellow Duke University Energy Initiative
2012 – 2014	Assistant Professor of Agricultural and Resource Economics, North Carolina State University

EDUCATION

2012	Ph.D. Agricultural and Resource Economics, UC Berkeley
2009	M.S. Agricultural and Resource Economics, UC Berkeley
2004	B.A. Economics, UC Berkeley
2004	B.A. Political Science, UC Berkeley

RESEARCH

Working papers

Sexton, S.E., J. Kirkpatrick, and B. Harris. “Suboptimal Siting of Rooftop Solar and Foregone Environmental Benefits.” November 2016.

Harding, M. and **S.E. Sexton**. “Dynamic Prices and Electricity Demand Response.” In preparation for *Annual Review of Resource Economics*. November 2016.

Cronin, J.A., D. Fullerton, and **S.E. Sexton**. “Vertical and Horizontal Redistributions from Carbon Tax Rebates.” November 2016.

In review

Pizer, W. and **S.E. Sexton**. “Distributional Impacts of Energy Taxes.” Revisions requested by *Review of Environmental Economics and Policy*. October 2016.

Published and accepted papers

S.E. Sexton and J. Eyer. 2016. "Leveling the Playing Field of Transportation Fuels: Accounting for Indirect Emissions of Natural Gas." *Energy Policy* 95: 21-31.

S.E. Sexton. 2015. "Automatic Bill Payment and Salience Effects: Evidence from Electricity Consumption." *Review of Economics and Statistics* 2 (2015): 229-241.

Barrows, G., **S.E. Sexton**, and D. Zilberman. "The Impact of Agricultural Biotechnology on Supply and Land-Use." *Environment and Development Economics* 19 (2014): 676-703.

S.E. Sexton and A. Sexton. 2014. "Conspicuous Conservation: The Prius Halo and Willingness to Pay for Environmental Bona Fides." *Journal of Environmental Economics and Management* 67 (2014): 303-317.

Barrows, G., **S.E. Sexton**, and D. Zilberman. 2014. "Agricultural Biotechnology: The Promise and Prospects of Genetically Modified Seed." *Journal of Economic Perspectives* 28 (2014): 99-120.

Bennett, A.B., C. Chi-Ham, G. Barrows, **S.E. Sexton**, and D. Zilberman. 2013. "Agricultural Biotechnology: Economics, Environment, Ethics, and the Future." *Annual Review of Environment and Resources* 38 (2013): 249-279.

Zilberman, D., G. Hochman, D. Rajagopal, **S.E. Sexton**, and G. Timilsina. 2013. "The Impact of Biofuels on Commodity Food Prices: Assessment of Findings." *American Journal of Agricultural Economics* 95 (2013): 275-281.

Sexton, S.E. 2012. "Paying for Pollution? How General Equilibrium Effects Undermine the 'Spare the Air' Program." *Environmental and Resource Economics*. 53 (2012): 553-575.

Hochman, G., **S.E. Sexton**, and D. Zilberman. 2010. "Food and Biofuel in a Global Environment." *Handbook of Bioenergy Economics and Policy* 33.4: 267-286.

Zilberman, D., **S.E. Sexton**, M. Marra, and J. Fernandez-Cornejo. 2010. "The economic impact of genetically engineered crops." *Choices* 25. Available online at <https://naldc.nal.usda.gov/download/44203/PDF>.

Khanna, M., G. Hochman, D. Rajagopal, **S.E. Sexton**, and D. Zilberman. 2009. "Sustainability of food, energy and environment with biofuels." *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources* 4: 1-10.

S.E. Sexton, D. Zilberman, D. Rajagopal, and G. Hochman. 2009. "The role of biotechnology in a sustainable biofuel future." *AgBioForum*, 12: 130-140.

D. Rajagopal, **S.E. Sexton**, and D. Zilberman. 2009. "Recent developments in renewable technologies: R&D investment in advanced biofuels." *Annual Review of Resource Economics* 1: 621-644.

S.E. Sexton, D. Rajagopal, G. Hochman, and D. Zilberman. 2009. "Biofuel policy must evaluate environmental, food security and energy goals to maximize net benefits." *California Agriculture* 63: 191-198.

D. Rajagopal, **S.E. Sexton**, G. Hochman, and D. Zilberman. 2009. "Model estimates food versus biofuel tradeoff." *California Agriculture* 63: 199-201.

Saitone, T, R.J. Sexton, and **S.E. Sexton**. 2008. "Market power in the corn sector: How does it affect the impacts of the ethanol subsidy." *Journal of Agricultural and Resource Economics* 33: 169-194.

Zilberman, D., T. Sproul, D. Rajagopal, **S.E. Sexton**, and P. Hellegers. 2008. "Rising energy prices and the economics of water in agriculture." *Water Policy* 10: 11-21.

Hochman, G., **S.E. Sexton**, and D. Zilberman. 2008. "The economics of biofuel policy and biotechnology." *Journal of Agricultural and Food Industrial Organization*. 6:1-22.

Rajagopal, D., **S.E. Sexton**, and D. Zilberman. 2007. "Challenge of bio-fuel: filling the tank without emptying the stomach." *Environmental Research Letters* 2:1-9.

S.E. Sexton, Z. Lei, and D. Zilberman. 2007. "The economics of pesticides and pest control." *International Review of Environmental and Resource Economics* 1: 271-326.

Book chapters

Sexton, S.E. and D. Zilberman. 2012. "How agricultural biotechnology boosts food supply and accommodates biofuels." In Perloff, J. and J.G. Zivin (Eds.). *The Intended and Unintended Effects of U.S. Agricultural and Biotechnology Policy*. University of Chicago Press and NBER: Chicago.

S.E. Sexton and D. Zilberman. 2011. "The role of agricultural biotechnology in a biofuel future. In C.A. Carter, I.M. Sheldon and G. Moschini (Eds.), *Genetically Modified Food and Global Welfare*. Emerald: Bingley, UK: 2011: pp. 225-242.

Non-refereed publications

S.E. Sexton and D. Zilberman. 2011. "The Economic and Marketing Challenges of Horticultural Biotechnology." In B. Mou and R. Scorza (Eds.). *Transgenic Horticultural Crops: Challenges and Opportunities*. CRC Press: Boca Raton, Florida.

S.E. Sexton and D. Zilberman. 2008. "Biofuel impacts on climate change, the environment, and food." Report to the Renewable Fuels Agency of the U.K.

Zilberman, D., D. Rajagopal, S.E. Sexton, G. Hochman, and T. Serra. 2011 "The Economics of Biofuels, Food, and the Environment." In Schmitz, A., N. Wilson, C. Moss, and D. Zilberman (Eds.), *The Economics of Alternative Energy Sources and Globalization*. Bentham Books: Oak Park, IL.

General audience publications

Sexton, S.E. 2012. "Does local production come at the expense of food safety?" *Agricultural and Resource Economics Update* 16: 9-11.

Sexton, S.E. 2009. "Does local production improve environmental and health outcomes." *Agricultural and Resource Economics Update* 13: 5-8.

Sexton, S.E., D. Rajagopal, G. Hochman, and D. Zilberman. 2008. "Food versus fuel: How biofuels make food more costly and gasoline cheaper." *Agricultural and Resource Economics Update* 12: 1-6.

Zilberman, D., and **S.E. Sexton**. 2008. "Enhancing productivity while safeguarding environmental quality: the inherent challenges in regulating pesticides" Resources For the Future "Weekly Policy Commentary." Available online at: http://www.rff.org/Publications/WPC/Pages/01_28_08_Pesticides_EnvQuality_Zilberman.aspx

Sexton, S.E., D. Rajagopal, D. Roland-Holst, and D. Zilberman. 2007. "The Intersection of energy and agriculture: implications of rising demand for biofuel and the search for the next generation." *Agricultural and Resource Economics Update* 10: 4-7.

Sexton, S.E., L.A. Martin, and D. Zilberman. 2006. "Biofuel and biotech: a sustainable energy solution." *Agricultural and Resource Economics Update*: 9: 1-4.

Papers in preparation

"Triple Differences Estimates of Yield Gains from GMO Seeds" (with David Zilberman).

"The Economics of Local Food Production" (with David Zilberman and Gordon Rausser) invited manuscript for *Annual Review of Resource Economics*.

"Impacts of Own and Neighbor Solar PV Visibility on Propensity to Adopt" (with Bryan Bollinger, Kenneth Gillingham, and Justin Kirkpatrick).

"Household Demand for Solar PV and Price Discriminating Subsidies" (with Bryan Bollinger Kenneth Gillingham).

"Efficiency and Welfare Impacts of Alternative Pricing Structures for Distributed Electricity Generation".

“Police Powers & Fracking: Implications for Efficiency and Rent Distribution.”

“How High Gas Prices Triggered the Housing Crisis: Theory and Empirical Evidence” (with JunJie Wu and David Zilberman).

“Do Carpool Lanes Lower Pollution Emissions? Evidence from California.”

GRANTS

2016	SEEDS 2, DOE. “Using Behavioral Science to Target LMI and High-value Solar Installations.”
	NBER, DOE, NSF “Economics of Energy Markets.”
	NBER, Alfred P. Sloan Foundation “The Future of Energy Distribution.”
	Duke University Energy Initiative “Research Seed Grant.”
2015	DOE “Small Business Innovation Research” with ClearGrid.
2014	Sanford School of Public Policy “Research Pilot Grant.”

AWARDS and ACTIVITIES

2014	Quality of Communication Award, Agricultural and Applied Economics Association (AAEA)
2013	UC Berkeley Triathlon Hall of Fame / UC Berkeley
2008 – present	Board of Directors, USA Triathlon
2011 – 2014	Contributor, Freakonomics.com
2011	Outstanding <i>Choices</i> Article Award / Agricultural and Applied Economics Association (AAEA).
2008	“Most Downloaded” <i>ARE Update</i> Award / University of California Giannini Foundation for Agricultural and Resource Economics.

PROFESSIONAL ASSOCIATIONS

Agricultural and Applied Economics Association, American Economics Association, Association of Environmental and Resource Economists

REFEREEING

American Journal of Agricultural Economics, Annual Review of Resource Economics, Applied Economics and Public Policy, Canadian Journal of Economics, Energy Economics, Energy Policy, Environmental and Resource Economics, Environmental Research Letters, European Review of Agricultural Economics, Journal of the Association of Environmental and Resource Economists, Journal of Economic Behavior and Organization, Journal of Environmental Economics and Management, Journal of Public Economics, Transportation Research Part A.

TEACHING

- ECON 338 Public Economics, Duke University
- ECON 635 Energy Economics and Policy (masters level), Duke University.
- ECON 520 Environmental Economics (masters level), Duke University.
- ARE 336 Environmental Economics, North Carolina State University.
- ECG 715 Environmental and Resource Economics (PhD Level), North Carolina State University.

STUDENT ADVISING

Undergraduates

DJ McCall (Public Policy Honors Thesis, 2015-16).

Masters students

Duke MPP advisees

Phil Hah (2016-17); Ben Agsten (2016-17); Kevin Fulton (2016-17).

PhD students

Advisees

Hussain Al Shammassi (UPEP, 2015 – present); Bobby Harris (UPEP, 2016 – present).

Committee service

T. Robert Fetter (UPEP, 2015 – present); Andrew Steck (Econ, 2015 – present); Brian Prest (UPEP, 2016 – present); Danton Noriega (PubPol, 2016 – present).