

Paul D. Mitchell

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EDUCATION

Ph.D. Economics, Iowa State University, Ames, IA, August 1999

M.A. Classics, University of Wisconsin, Madison, WI, December 1991

B.A. History, Iowa State University, Ames, IA, May 1990

PROFESSIONAL EXPERIENCE

- 6/2010 – Present **Associate Professor**, Department of Agricultural and Applied Economics, University of Wisconsin-Madison and University of Wisconsin-Extension
- 8/2004 – 6/2010 **Assistant Professor**, Department of Agricultural and Applied Economics, University of Wisconsin-Madison and University of Wisconsin-Extension
- 4/1999 – 8/2004 **Assistant Professor**, Department of Agricultural Economics, Texas A&M University
- 6/1994 – 4/1999 **Research Assistant**, Iowa State University, Center for Agricultural and Rural Development

SYNERGISTIC ACTIVITIES

My work focuses on crop production with applications in the economics of pest and pest resistance management, crop insurance, vegetable production, and incentives to encourage adoption of alternative cropping practices. Much of this work is interdisciplinary, involving scientists in entomology, weed science, ecology, horticulture, etc. and has resulted in receipt of research grants and journal publications (see below). This also work serves as the basis of my Extension program in cropping systems economics. My teaching has focused on production economics at both the graduate and undergraduate levels and at the University of Wisconsin, I teach farm management, which attracts many non-majors from production science departments.

RESEARCH PUBLICATIONS (last five years)

Peer Reviewed Journal Articles

- Hutchison, Burkness, Mitchell, and 15 others. 2010. Areawide Suppression of European Corn Borer with Bt Maize Reaps Savings to Non-Bt Maize Growers. *Science* 330:222-225.
- Dillen, Mitchell, Van Looy, Tollens. 2010. The Western Corn Rootworm, A New Threat to European Agriculture: Opportunities for Biotechnology? *Pest Managmt. Sci.* 66:956-966.
- Dun, Mitchell, Agosti. 2010. Estimating *Diabrotica virgifera virgifera* Damage Functions with Field Data: Applying an Unbalanced Nested Error Component Model. *Journal of Applied Entomology* 134:409-419.
- Dillen, Mitchell, Tollens. 2010. On the Competitiveness of *Diabrotica virgifera virgifera* Damage Abatement Strategies in Hungary: a Bio-economic Approach. *Journal of Applied Entomology* 134:395-408.
- Frisvold, Hurley, and P. D. Mitchell. 2009. Adoption of Best Management Practices to Control Weed Resistance by Cotton, Corn, and Soybean Growers. *AgBioForum* 12:370-381.
- Hurley, Mitchell, Frisvold. 2009. Effects of Weed Resistance Concerns and Resistance Management Practices on the Value of Roundup Ready Crops. *AgBioForum* 12:291-302.
- Hurley, Mitchell, Frisvold. Weed Management Costs, Weed Best Management Practices, and The Roundup Ready Weed Management Program. *AgBioForum* 12(2009):281-290.

- Hurley, Mitchell, Frisvold. 2009. Characteristics of Herbicides and Weed Management Programs Most Important to Corn, Cotton, and Soybean Growers. *AgBioForum* 12:269-280.
- Frisvold, Hurley, Mitchell. 2009. Overview: Herbicide Resistant Crops – Diffusion, Benefits, Pricing and Resistance Management. *AgBioForum* 12:244-248.
- Hsieh, Mitchell, Stiegert. 2009. Potato Demand in an Increasingly Organic Marketplace. *Agribusiness: An International Journal* 25:369-394.
- Mitchell and Knight. 2008. Economic Analysis of Supplemental Deductible Coverage in the USDA's 2007 Farm Bill Proposal. *Agric. Res. Econ. Rev.* 37:117-131.
- Seo, Segarra, Mitchell, Leatham. 2008. Irrigation Technology Adoption and Its Implication for Water Conservation in the Texas High Plains. *Agric. Econ.* 38:47-55.
- Bussan, Mitchell, Copas, Drilias. 2007. Evaluation of In-Row Spacing on Potato Yield and Tuber Size Distribution. *Crop Sci.* 47:2462-2472.
- Mitchell, and Onstad. 2005. Effect of Extended Diapause on the Evolution of Resistance to *Bacillus thuringiensis* Corn by Northern Corn Rootworm. *J. Econ. Entom.* 98:2220-2234.
- Seo, Mitchell, Leatham. 2005. Effects of Federal Risk Management Programs on Acreage and Nitrogen Use in a Texas Cotton-Sorghum System. *J. Agric. Appl. Econ.* 37:685-699.
- Mueller, Mitchell, Young, Culpepper. 2005. Proactive versus Reactive Management of Glyphosate-Resistant or Tolerant Weeds. *Weed Tech.* 19:924-933.
- Crowder, Onstad, Gray, Mitchell, Spencer, Brazee. 2005. Economic Analysis of Dynamic Management Strategies Using Transgenic Corn for Control of Western Corn Rootworm. *J. Econ. Entom.* 98:961-975.

Book Chapters

- Mitchell, P., and W. Hutchison. 2008. Decision Making and Economic Risk in IPM. E. Radcliffe, W. Hutchison, R. Cancelado, eds. *Integrated Pest Management*. Cambridge, UK: Cambridge University Press, pp. 33-50.
- Mitchell, P., and D. Onstad. 2008. Valuing Insect Resistance in an Uncertain Future. D. Onstad, ed. *Insect Resistance Management: Biology, Economics, and Prediction*. San Diego, CA: Academic Press, pp. 17-38.
- Hurley, T., and P. Mitchell. 2008. Insect Resistance Management: Adoption and Compliance. D. Onstad, ed. *Insect Resistance Management: Biology, Economics, and Prediction*. San Diego, CA: Academic Press, pp. 227-253.
- Mitchell, P. and T. Hurley. 2006. Adverse Selection, Moral Hazard, and Grower Compliance with Bt Corn Refuge. R. Just, J. Alston, and D. Zilberman, eds. *Economics of Regulation of Agricultural Biotechnologies*. Dordrecht: Kluwer Academic Publishers.

Extension Publications

I have extension publications and presentations too numerous to list here; see my Extension web page for most of these materials: <http://www.aae.wisc.edu/mitchell/extension.htm>.

CURRENT SELECT GRANTS

- Increasing the Economic and Environmental Sustainability of Sod Production Using Biosolids. USDA-CSREES Specialty Crop Research Initiative Competitive Grant.
- Refining and Implementing Multifunctional Management Strategies for Organic Processing Vegetables. USDA-CSREES National Research Intuitive Managed Ecosystems Grant.
- Off-Site Suppression of European Corn Borer and Its Economic and Environmental Impacts on Midwestern and Delmarva Vegetable Crops due to Bt Corn Adoption. USDA CSREES Biotechnology Risk Assessment Grant.