

CURRICULUM VITAE

Paul D. Mitchell

Assistant Professor
Department of Agricultural and Applied Economics
University of Wisconsin-Madison

October 6, 2008

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EDUCATION

- Ph.D. Iowa State University, Ames, Iowa
Economics, (Major in Agricultural Economics): August 1999
Major Professor: Bruce A. Babcock
Dissertation: *The Theory and Practice of Green Insurance: Insurance to Encourage the Adoption of Corn Rootworm IPM*
- M.A. University of Wisconsin-Madison, Madison, Wisconsin
Classics, December 1991
- B.A. Iowa State University, Ames, Iowa
History, May 1990

POSITIONS HELD

- 8/2004 – Present **Assistant Professor**, Department of Agricultural and Applied Economics, University of Wisconsin-Madison
- 8/1999 – 8/2004 **Assistant Professor**, Department of Agricultural Economics, Texas A&M University
- 4/1999 – 8/1999 **Research Associate**, Texas A&M University, Department of Agricultural Economics
- 6/1994 – 4/1999 **Research Assistant**, Iowa State University, Center for Agricultural and Rural Development
- 7/1993 – 6/1994 **Research Assistant**, Iowa State University, Department of Botany
- 9/1991 – 7/1993 **Graduate Instructor**, University of Wisconsin, Department of Classics
- 9/1990 – 9/1991 **Wisconsin Alumni Research Fellow**, University of Wisconsin, Department of Classics
- 8/1987 – 8/1990 **Research Assistant**, Iowa State University, Department of Botany

PROFESSIONAL HONORS AND AWARDS

Professional Achievement Alumni Award, Department of World Languages and Cultures, Iowa State University, Ames, Iowa, October 18, 2007.

Texas A&M University Measurement and Research Service, Fall Semester 2002
Designated among top 25% “Most Effective” faculty teaching a 600-level course at Texas A&M University, Fall Semester 2002. Designation for AGECE 672.

Wisconsin Alumni Research Foundation Fellowship, 1990-1991
Graduate fellowship (tuition and stipend) based on prior academic achievement.

RESEARCH

A. Refereed Journal Articles

1. Hsieh, M.-F., **P. D. Mitchell**, K. W. Stiegert. “Potato Demand in an Increasingly Organic Marketplace.” *Agribusiness: An International Journal* Forthcoming 2009.
2. **Mitchell, P. D.**, and T. O. Knight. “Economic Analysis of Supplemental Deductible Coverage as Recommended in the USDA’s 2007 Farm Bill Proposal.” *Agricultural and Resource Economics Review* 37(2008):117-131.
3. Seo, S., E. Segarra, **P. D. Mitchell**, and D. J. Leatham. “Irrigation Technology Adoption and Its Implication for Water Conservation in the Texas High Plains: A Real Options Approach.” *Agricultural Economics* 38 (2008):47-55.
4. Bussan, A.J., **P. D. Mitchell**, M. E. Copas, and M. J. Drilias. “Evaluation of In-Row Spacing on Potato Yield and Tuber Size Distribution.” *Crop Science* 47(2007):2462-2472.
5. **Mitchell, P. D.**, and D. W. Onstad. “Effect of Extended Diapause on the Evolution of Resistance to Transgenic *Bacillus thuringiensis* Corn by Northern Corn Rootworm (Coleoptera: Chrysomelidae)” *Journal of Economic Entomology* 98(December 2005):2220-2234.
6. Seo, S., **P.D. Mitchell**, and D. Leatham. “Effects of Federal Risk Management Programs on Optimal Acreage Allocation and Nitrogen Use in a Texas Cotton-Sorghum System.” *Journal of Agricultural and Applied Economics* 37(December 2005):685-699.
7. Mueller, T. C., **P. D. Mitchell**, B. G. Young, and A. S. Culpepper. “Proactive versus Reactive Management of Glyphosate-Resistant or Tolerant Weeds.” *Weed Technology* 19(October-December 2005):924-933.
8. Crowder, D. W., D. W. Onstad, M. E. Gray, **P. D. Mitchell**, J. L. Spencer, and R. J. Brazee. “Economic Analysis of Dynamic Management Strategies Utilizing Transgenic Corn for Control of Western Corn Rootworm (Coleoptera: Chrysomelidae).” *Journal of Economic Entomology* 98(June 2005):961-975.
9. **Mitchell, P. D.** “Nutrient Best Management Practice Insurance and Farmer Perceptions of Adoption Risk.” *Journal of Agricultural and Applied Economics*. 36(December 2004):657-673.
10. **Mitchell, P. D.**, M. E. Gray, and K. L. Steffey. “A Composed Error Model for Estimating Pest-Damage Functions and the Impact of the Western Corn Rootworm Soybean Variant in Illinois.” *American Journal of Agricultural Economics* 86(May 2004):332-344.

11. Hurley, T. M., **P. D. Mitchell**, and M. E. Rice. "Risk and the Value of Bt Corn." *American Journal of Agricultural Economics* 86(May 2004):345-358.
12. Onstad, D. W., D. W. Crowder, **P. D. Mitchell**, C. A. Guse, J. L. Spencer, E. Levine, and M. E. Gray. "Economics versus Alleles: Balancing IPM and IRM for Rotation-Resistant Western Corn Rootworm (Coleoptera: Chrysomelidae)." *Journal of Economic Entomology* 96(December 2003):1872-1885.
13. **Mitchell, P. D.** "Value of Imperfect Input Information in Agricultural Production." *Agricultural Systems* 75(February-March 2003):277-294.
14. **Mitchell, P. D.**, T. M. Hurley, B. A. Babcock, and R. L. Hellmich. "Insuring the Stewardship of Bt Corn: A Carrot versus a Stick." *Journal of Agricultural and Resource Economics* 27(December 2002):390-405.
15. Alston, J. M., J. Hyde, M. C. Marra, and **P. D. Mitchell**. "An Ex Ante Analysis of the Benefits from the Adoption of Corn Rootworm Resistant, Transgenic Corn Technology." *AgBioForum* 5(Number 3: 2002):71-84.
16. **Mitchell, P.D.**, and W. Riedell. "Stochastic Dynamic Population Model for Northern Corn Rootworm *Diabrotica barberi* (Coleoptera: Chrysomelidae)." *Journal of Economic Entomology*. 94(June 2001): 599-608.
17. Crumpton, W. G., T. M. Isenhardt and **P. D. Mitchell**. "Nitrate and Organic N Analyses with Second-Derivative Spectroscopy." *Limnology and Oceanography* 37(1992):907-913.

B. Book Chapters

1. **Mitchell, P. D.**, and W. D. Hutchison. 2008. "Assessing and Communicating the Value and Risk of IPM." E. B. Radcliffe and W. D. Hutchison, eds. *Integrated Pest Management*. Cambridge, UK: Cambridge University Press. Forthcoming.
2. **Mitchell, P. D.**, and D. W. Onstad. 2008. "Valuing Insect Resistance in an Uncertain Future." D. W. Onstad, ed. *Insect Resistance Management: Biology, Economics, and Prediction*. San Diego, CA: Academic Press, pp. 17-38.
3. Hurley, T. M., and **P. D. Mitchell**. 2008. "Insect Resistance Management: Adoption and Compliance." D. W. Onstad, ed. *Insect Resistance Management: Biology, Economics, and Prediction*. San Diego, CA: Academic Press, pp. 227-253.
4. **Mitchell, P. D.** and T. M. Hurley. 2006. "Adverse Selection, Moral Hazard, and Grower Compliance with Bt Corn Refuge." R. E. Just, J. Alston, and D. Zilberman, eds. *Economics of Regulation of Agricultural Biotechnologies*. New York: Springer, pp. 599-624.

5. **Mitchell, P. D.** and D. A. Hennessy. 2003. "Factors Determining Best Management Practice Adoption Incentives and the Impact of Green Insurance." B.A. Babcock, R. W. Fraser, and J. N. Lekakis, eds. *Risk Management and the Environment: Agriculture in Perspective*. Dordrecht, The Netherlands: Kluwer Academic Publishers, pp. 52-66.
6. **Mitchell, P. D.**, P. G. Lakshminarayan, B. A. Babcock and T. Otake. 1998. "The Impact of Soil Conservation Policies on Carbon Sequestration in Agricultural Soils of the Central U.S." R. Lal, J. M. Kimble, R. F. Follet, and B. A. Stewart, eds. *Management of Carbon Sequestration in Soil*. Boca Raton, FL: CRC Press, pp. 125-142.

C. Book Reviews

1. *The Nature of the Farm: Contracts, Risk, and Organization in Agriculture*. By Douglas W. Allen and Dean Lueck, Cambridge: MIT Press, 2002. Review by **P. D. Mitchell**, *Agricultural History* 78(Summer 2004):373-374.

D. Published Proceedings

1. Buman, T., and **P. D. Mitchell**. "Prescribed Fire Liability Insurance." Proceedings of the Third International Fire Ecology and Management Congress in San Diego, CA. Davis, CA: The Association for Fire Ecology, 2006.
2. **Mitchell, P.D.**, W. D. Hutchison, and T. M. Hurley. "Risk and the Value of Additional Insecticide Applications for European Corn Borer Control in Processing Sweet Corn." Proceedings of the 2005 Midwest Food Processors Association Annual Meeting. Madison, WI: Midwest Food Processors Association, 2005.
3. Gassman, P. W., J. Wu, **P. D. Mitchell**, B. A. Babcock, T. M. Hurley and S. W. Chung. "Impact of U.S. Agricultural Policy on Regional Nitrogen Losses." *Proceedings of the Third International Conference on Diffuse Pollution*. London: International Association of Water Quality, 1998.

E. Publications in Scientific Press

1. **Mitchell, P. D.**, J. M. Alston, J. Hyde, M. C. Marra. "Benefits from Transgenic Maize Resistant to Corn Rootworm." *Information Systems for Biotechnology News Report* (October 2003):8-9.

F. Publications in Trade Magazines

1. **Mitchell, P.D.** 2008. Flooding on the Farm: The Effects of Floods on Agriculture. *Storm Water Solutions Runoff*, Feature article in August 2008 e-newsletter, <http://www.estormwater.com/Flooding-on-the-Farm-article9528>.
2. **Mitchell, P. D.** 2008. “The 2008 Farm Bill and What it Means for Wisconsin Potato and Vegetable Growers.” *The Badger Common Tater* 60(8):10-13.
3. Bussan, A.J., M. Carter, J. Colquhoun, A. Dierks, S. Dierks, R. Groves, **P.D. Mitchell**, P. Nowak, D. Knuteson, A. Wallendahl. 2008. “Sustainable Potato Production: A Means to an End?” *The Badger Common Tater* 60(4):10-12.
4. **Mitchell, P. D.**, M. F. Hsieh, and K. Stiegert. 2007. “Potato Demand in an Increasingly Organic Marketplace.” *The Badger Common Tater* 59(10):10-12.

G. Departmental Publications, Reports and Discussion Papers

1. Gould, B., **P. D. Mitchell**, and V. Cabrera. 2008. USDA’s Gross Margin Insurance Program for Dairy: What is it and Can it be Used for Risk Management? Marketing and Policy Briefing Paper No. 95, Agricultural and Applied Economics, University of Wisconsin-Madison, August 2008.
2. Jesse, E., B. Jones, and **P. D. Mitchell**. 2008. “Farm Bill Update.” In *Status of Wisconsin Agriculture* (pp. 39-48). University of Wisconsin-Madison Agricultural and Applied Economics, January 2008.
3. **Mitchell, P. D.**, and T. O. Knight. 2007. “Economic Analysis of Supplemental Deductible Coverage as Recommended in the USDA’s 2007 Farm Bill Proposal.” University of Wisconsin-Madison Agricultural and Applied Economics Staff Paper No. 509, July 2007, 32p.
4. Yang, J., **P. D. Mitchell**, M. Gray, and K. Steffey. 2007. “Unbalanced Nested Component Error Model and the Value of Soil Insecticide and Bt Corn for Controlling Western Corn Rootworm” University of Wisconsin-Madison Agricultural and Applied Economics Staff Paper No. 510, July 2007, 34p.
5. Hsieh, M.-F., **P. D. Mitchell**, and K. W. Stiegert. “Demand for Organic and Conventional Potatoes.” University of Wisconsin-Madison Food Systems Research Group Working Paper FSWP2007-01, February 2007, 30p.
6. Hsieh, M.-F., **P. D. Mitchell**, and K. W. Stiegert. “Organic and Conventional Potatoes: Pricing and demand 2000-05.” University of Wisconsin-Madison Food Systems Research Group Discussion Paper February 2007, 10p.

7. **Mitchell, P. D.** Virginia Addendum to Developing A Prescribed Fire Insurance Liability Product: Actuarial Analysis of Survey Data. Addendum to the Final report summarizing survey data and insurance analysis, with accompanying spreadsheet data files and decision aid. Agricultural and Applied Economics, University of Wisconsin-Madison. May 2007, 30 pages.
8. **Mitchell, P. D.** Developing A Prescribed Fire Insurance Liability Product: Actuarial Analysis of Survey Data. Final report summarizing survey data and insurance analysis, with accompanying spreadsheet data files and decision aid. Agricultural and Applied Economics, University of Wisconsin-Madison. December 2006, 80 pages.
9. Jesse, E.V., and **P.D. Mitchell.** “Producer Preferences for Agricultural, Food and Public Policy: A Wisconsin Perspective.” Marketing and Policy Briefing Paper No. 92, Agricultural and Applied Economics, University of Wisconsin-Madison, October 2006.
10. **Mitchell, P. D.,** T. Buman, and S. Buman. “Count Data Models of Prescribed Fire Escapes.” Paper prepared for American Agricultural Economics Association Annual Meetings. Available on AgEcon Search, June 2006.
11. **Mitchell, P. D.,** T. M. Hurley, and M. E. Rice. “Is Bt Corn Really a Drag? Yield Drag, Yield Variance and Bt Corn.” Faculty Paper FP 04-01, Department of Agricultural Economics, Texas A&M University, April 2004.
12. **Mitchell, P. D.** Rating Methodology for Nutrient Management/Best Management Practice Insurance. Department Technical Report DTR 02-1, Department of Agricultural Economics, Texas A&M University, August 2002.
13. **Mitchell, P. D.** Yield Benefit of Corn Event MON 863. Faculty Paper FP 02-04, Department of Agricultural Economics, Texas A&M University, May 2002.
14. **Mitchell, P. D.,** M. E. Gray, and K. L. Steffey. Composed Error Model for Insect Damage Functions: Yield Impact of Rotation Resistant Western Corn Rootworm in Illinois. Faculty Paper FP 02-02, Department of Agricultural Economics, Texas A&M University, March 2002.
15. **Mitchell, P. D.,** T. M. Hurley, R. L. Hellmich. “Economic Evaluation of Bt Corn Refuge Insurance.” Working Paper 00-WP 243, Center for Agricultural and Rural Development, Iowa State University, July 2000.
16. **Mitchell, P. D.** “Generation of Simulated Daily Precipitation, Air and Soil Temperatures.” Working Paper 00-WP 234, Center for Agricultural and Rural Development, Iowa State University, January 2000.

17. **Mitchell, P. D.** and W. Riedell. “Stochastic Dynamic Northern Corn Rootworm Population Model.” Working Paper 00-WP 235, Center for Agricultural and Rural Development, Iowa State University, January 2000.
18. Babcock, B. A., T. Campbell, P. W. Gassman, T. M. Hurley, **P. D. Mitchell**, T. Otake, M. Siemers and J. Wu. *RAPS 1997: Agricultural and Environmental Outlook*. Ames, IA: Center for Agricultural and Rural Development, Iowa State University, 1997.
19. **Mitchell, P. D.** “Cost of Production Budgets.” Technical Report TR-37. Center for Agricultural and Rural Development, Iowa State University, June 1997.
20. Johnson, S. R., B. A. Babcock, T. Campbell, P. W. Gassman, P. G. Lakshminarayan, **P. D. Mitchell** and J. Wu. *RAPS 1996: Agricultural and Environmental Outlook*. Ames, IA: Center for Agricultural and Rural Development, Iowa State University, 1996.
21. Lakshminarayan, P. G., B. A. Babcock and **P. D. Mitchell**. “A Conceptual Framework for Evaluating Agricultural Economic and Environmental Tradeoffs in Central Nebraska using Field-Level Data.” Working Paper WP-162, Center for Agricultural and Rural Development, Iowa State University, July 1996.
22. Kruse, J., **P. D. Mitchell**, A. Bouzaher and D. Smith. “Net Returns of Alternative Crops on Flood-Prone Land.” Working Paper WP-132. Center for Agricultural and Rural Development, Iowa State University, February 1995.

H. Work in Progress

1. Yang, J., **P. D. Mitchell**, M. E. Gray, and K. L. Steffey. “Unbalanced Nested Component Error Model for Estimating Insect Damage Functions.” Rejected at *American Journal of Agricultural Economics*. Preparing submission to *Agricultural Economics*.
2. Seo, S., **P. D. Mitchell**, and D. Leatham. Risk Sharing and Incentives with External Equity Financing and Crop Insurance. Finalizing second submission to *Journal of Agricultural and Resource Economics*.
3. **Mitchell, P. D.**, T. M. Hurley, and M. E. Rice. “How Bt Corn Affects the Distribution of Harvested Yield.” Rejected at *Journal of Agricultural and Resource Economics* and *Review of Agricultural Economics*. Preparing submission to *Agricultural Economics*.

I. Invited Research Presentations

1. **Mitchell, P. D.** “Hierarchical Modeling and the Economics of Risk in IPM.” University of Wisconsin-Madison Department of Entomology Colloquium. Madison, WI, March 28, 2008.
2. **Mitchell, P. D.** “Costs and Benefits of Controlling *Diabrotica*: The USA Experience.” Economics of *Diabrotica* Control: EU Project DIABR-ACT. Wageningen University, Wageningen, Netherlands. April 3, 2007.
3. **Mitchell, P. D.**, and T. M. Hurley. “Adverse Selection, Moral Hazard, and Grower Compliance with Bt Corn Refuge.” Environmental Economics and Natural Resources Group, Wageningen University, Wageningen, Netherlands. November 16, 2006.
4. **Mitchell, P. D.** “Economics: What have Transgenics Meant for U.S. Farmers?” American Society of Agronomy/Crop Science Society of America/Soil Science Society of America Annual Meetings, Indianapolis, IN. November 12-16, 2006.
5. **Mitchell, P. D.** “Economics and Risk of Sweet Corn IPM.” University of Minnesota Department of Entomology Seminar, St. Paul, MN, April 11, 2006.
6. **Mitchell, P. D.**, and D. W. Onstad. “Effect of Northern Corn Rootworm Extended Diapause on Insect Resistance Management.” Monsanto Rootworm Bt Corn Insect Resistance Management Workshop, St. Louis, MO, October 26-27, 2005.
7. **Mitchell, P. D.**, and D. W. Onstad. “Effect of Northern Corn Rootworm Extended Diapause on Insect Resistance Management.” Monsanto Corn Rootworm Insect Resistance Management Workshop, Chicago, IL, April 11, 2005.
8. **Mitchell, P. D.**, M. E. Gray, and K. L. Steffey. “A Composed Error Model for Estimating Pest-Damage Functions and the Impact of the Western Corn Rootworm Soybean Variant in Illinois.” Department of Agricultural and Applied Economics, University of Wisconsin-Madison, April 6, 2004.
9. **Mitchell, P. D.** and E. Zu. “Effect of Northern Corn Rootworm Extended Diapause on Insect Resistance Management for Corn Event MON 863.” Monsanto Corn Rootworm Insect Resistance Management Workshop, St. Louis, MO, December 15-16, 2003.
10. **Mitchell, P. D.** “Farmer Value of Corn Events MON 810 and MON 863 and Stewardship Incentives.” Monsanto/Texas A&M Academic Outreach Event, St. Louis, MO, June 24-26, 2002.

11. **Mitchell, P.D.** “Decomposed Error Model for Insect Damage Functions.” Monsanto Academic Corn Rootworm Insect Resistance Management Research Workshop, St. Louis, MO, November 5, 2001.
12. **Mitchell, P. D.** “Northern Corn Rootworm Modeling” USDA-ARS Corn Rootworm Areawide Management Annual Meeting, San Antonio, TX, October 24-26, 2000.
13. **Mitchell, P. D.** “Stochastic Metamodels to Simplify Complex Adaptive Systems: The Case of Corn Rootworm and Transgenic Agriculture.” Complex Adaptive Systems Workshop, Iowa State University, Ames, IA, April 7, 1999.
14. **Mitchell, P. D.** “Using Insurance to Encourage Adoption of IPM: The Case of Corn Rootworm.” North Central Branch of the Entomological Society of America Annual Meetings, Des Moines, IA, March 31, 1999.
15. **Mitchell, P. D.** “Theory and Practice of Green Insurance: Incentive Contracts for Technology Adoption.” Department of Agricultural Economics, Texas A&M University, College Station, TX, September 4, 1998.
16. Hurley, T. M., B. A. Babcock, and **P. D. Mitchell.** “Carbon Sequestration and Agriculture: Recent Trends and Future Opportunities.” Workshop on Impacts of Global Climate Change and Mitigation Strategies on US Agriculture, Washington, DC, May 28, 1998.

J. Research Presentations

1. **Mitchell, P. D.**, and T. O. Knight. “Economic Analysis of Supplemental Deductible Coverage as Recommended in the USDA’s 2007 Farm Bill.” Northeastern Agricultural and Resource Economics Association, Crop Insurance Workshop, Rehoboth Beach, DE, June 12, 2007.
2. **Mitchell, P. D.**, T. Buman, and S. Buman. “Sample Size Correction of Count Data Models: Prescribed Fire Escapes.” American Agricultural Economics Association Annual Meeting, Long Beach, CA. July 23-26, 2006.
3. Seo, S., E. Segarra, **P. D. Mitchell**, and D. Leatham. “Irrigation Technology Adoption in the Texas High Plains: A Real Options Approach.” American Agricultural Economics Association Annual Meeting, Long Beach, CA. July 23-26, 2006.
4. **Mitchell, P. D.**, and W. D. Hutchison. “Risk and the Value of Additional Insecticide Applications for European Corn Borer Control in Processing Sweet Corn.” Midwest Food Processors Association Annual Meeting, St. Paul, MN December 6-7, 2005.

5. **Mitchell, P.D.**, and T. M. Hurley. Adverse Selection, Moral Hazard, and Grower Compliance with Bt Corn Refuge. USDA-CSREES Regional Committee NC1003 Meetings in Washington, DC, March 10-12, 2005.
6. **Mitchell, P.D.** Economic Impact of CRW. USDA-CSREES Regional Committee NCR46 Meetings in Washington, DC, January 23-26, 2005.
7. **Mitchell, P.D.**, and T. M. Hurley. Adverse Selection, Moral Hazard, and Grower Compliance with Bt Corn Refuge. Applied Economics Seminar, Agricultural and Applied Economics, University of Wisconsin-Madison, November 3, 2004.
8. **Mitchell, P.D.**, T. M. Hurley, and M. E. Rice “Is Bt Corn Really a Drag? Bt Corn Yield Drag and Yield Variance.” USDA-CSREES Regional Committee NC205 Meetings in Columbus, OH, January 26-28, 2004.
9. **Mitchell, P. D.** “Effect of Northern Corn Rootworm Extended Diapause on the Efficacy of Insect Resistance Management of Transgenic Corn.” USDA-CSREES Regional Committee NCR46 Meetings in Columbus, OH, January 26-28, 2004.
10. **Mitchell, P. D.** “Nutrient Management Best Management Practice Insurance.” Heartland Environmental and Resource Economics Workshop, Ames, IA, September 22-23, 2002.
11. **Mitchell, P. D.**, T.M. Hurley, B. A. Babcock, and R. L. Hellmich. “Insuring the Stewardship of Bt Corn: A Carrot versus A Stick.” International Consortium in Agricultural Biotechnology Research, 6th International Conference, Ravello, Italy, July 11-14, 2002.
12. **Mitchell, P. D.**, T. M. Hurley, and M. E. Rice. “Risk and the Value of Bt Corn.” SERA-IEG-31 Annual Meeting, Gulf Shores, AL, March 21-22, 2002.
13. **Mitchell, P.D.**, M. E. Gray, and K. L. Steffey. “Composed Error Model for Insect Damage Functions.” USDA-CSREES Regional Committee NCR46 Meetings in Indianapolis, IN, January 29-31, 2002.
14. **Mitchell, P.D.** “Developing Risk Adjustment Factors for WeedSOFT.” WeedSOFT Regional Development Workshop, Lincoln, NE, September 25, 2001.
15. **Mitchell, P.D.** “Additive versus Proportional Pest Damage Functions: Why Ecology Matters.” Heartland Environmental and Resource Economics Workshop, Ames, IA, September 23-24, 2001.
16. **Mitchell, P.D.**, T.M. Hurley, and M.E. Rice. “What is the Value of Bt Corn?” Selected Paper: American Agricultural Economics Association Annual Meeting, Chicago, IL, August 5-8, 2001.

17. **Mitchell, P.D.** “Additive versus Proportional Pest Damage Functions: Why Ecology Matters.” Selected Paper: American Agricultural Economics Association Annual Meeting, Chicago, IL, August 5-8, 2001.
18. **Mitchell, P. D.** “Discussion of Papers Concerning Technology Adoption.” SERA-IEG-31 Annual Meeting, Gulf Shores, AL, March 22-24, 2001.
19. **Mitchell, P. D.,** B. A. Babcock and D. A. Hennessy. “Green Insurance for Provision of Best Management Adoption Incentives.” Heartland Environmental and Resource Economics Workshop, Ames, IA, September 17-28, 2000.
20. **Mitchell, P. D.,** T. M. Hurley, and R. L. Hellmich. “Economic Evaluation of Bt Corn Refuge Insurance.” Selected Paper: American Agricultural Economics Association Annual Meeting, Tampa, FL, July 30-August 2, 2000.
21. **Mitchell, P. D.,** B. A. Babcock and D. A. Hennessy. “Impact of Imperfect Information and Green Insurance on Best Management Practice Adoption Incentives.” SERA-IEG-31 Economics and Management of Risk in Agriculture and Natural Resources. Gulf Shores, AL, March 23-25, 2000.
22. **Mitchell, P. D.** “Stochastic Dynamic Northern Corn Rootworm Population Model.” USDA-CSREES Regional Committee NCR-46 Corn Rootworm Meeting, Madison, WI, January 26-28, 2000.
23. **Mitchell, P. D.** and B. A. Babcock. “Environmental Tradeoffs and the Industrialization of U.S. Livestock Production.” Organized Symposium: American Agricultural Economics Association Annual Meeting, Salt Lake City, August 2-5, 1998.
24. **Mitchell, P. D.** “Green Payments vs. Green Insurance for Nonpoint Source Pollution Control.” Selected Paper: American Agricultural Economics Association Annual Meeting, Salt Lake City, August 2-5, 1998.
25. Babcock, B. A., T. M. Hurley, J. Wu, and **P. D. Mitchell.** “The Environmental Effects of Freedom to Farm.” Selected Paper: American Agricultural Economics Association Annual Meeting, Salt Lake City, August 2-5, 1998.
26. **Mitchell, P. D.,** B. A. Babcock and P. G. Lakshminarayan. “Tradeoff between Producer Profit and Agricultural CO₂ Emissions.” Selected Paper: American Agricultural Economics Association Annual Meeting, Toronto, July 27-30, 1997.
27. **Mitchell, P. D.,** P. G. Lakshminarayan, B. A. Babcock, and T. Otake. “The Impacts of Soil Conservation Policies on Carbon Sequestration in Agricultural Soils of the Central United States.” Carbon Sequestration in Soil Symposium, Columbus, OH, July 1996.

28. **Mitchell, P. D.** “The Impact of Comedy on Thucydides.” Classical Association of the Middle West and South Annual Meeting, Iowa City, IA, March 1993.

K. Research Presentations by Graduate Students

1. Yang, J., and **P. D. Mitchell.** “Unbalanced Nested Component Error Model for Estimating Insect Damage Functions.” Selected Paper: American Agricultural Economics Association Annual Meeting, Denver, CO, August 1-4, 2004.
2. You, W., **P. D. Mitchell,** and G. C. Davis. “Sweet Persuasion: Soft Drinks, School Funding, and Children’s Health.” Selected Paper: American Agricultural Economics Association Annual Meeting, Denver, CO, August 1-4, 2004.
3. Zu, E., and **P. D. Mitchell.** “Moral Hazard, Adverse Selection, and Bt Corn: Contract to Secure Grower Compliance with Bt corn Refuge Requirements.” Selected Paper: American Agricultural Economics Association Annual Meeting, Denver, CO, August 1-4, 2004.
4. Seo, S., **P. D. Mitchell,** and D. Leatham. Effect of Federal Risk Management Programs on Land Allocation and Input Use.” Selected Paper: American Agricultural Economics Association Annual Meeting, Denver, CO, August 1-4, 2004.
5. Seo, S., V. Salin, **P. D. Mitchell,** and D. Leatham. “Effect of Revenue Insurance on Entry and Exit Decisions in Table Grape Production: A Real Option Approach.” Selected Paper: American Agricultural Economics Association Annual Meeting, Denver, CO, August 1-4, 2004.
6. Zu, E., and **P. D. Mitchell.** Audit Lotteries to Ensure Grower Compliance with Bt Corn Refuge Requirements.” Texas A&M University Department of Agricultural Economics Seminar in Resource and Environmental Economics, May 10, 2004.
7. Seo, S., **P. D. Mitchell,** and D. Leatham. “Effects of Federal Risk Management Programs on Acreage Allocation and Nitrogen Use in a Texas Cotton-Sorghum System.” USDA-CSREES Regional Committee SRIEG-76, Gulf Shores, AL March 26-27, 2004.
8. Seo, S., V. Salin, **P. D. Mitchell,** and D. Leatham. “Effect of Revenue Insurance on Entry and Exit Decisions in Table Grape Production: A Real Option Approach.” USDA-CSREES Regional Committee SRIEG-76, Gulf Shores, AL March 26-27, 2004.
9. Casillas, G., and **P. D. Mitchell.** “Subsidized Credit Rationing and National Development Banks in Developing Countries.” Southern Economic Association Annual Meeting, San Antonio, TX, November 21-23, 2003.

10. Casillas, G., and **P. D. Mitchell**. “Subsidized Credit Rationing and National Development Banks in Developing Countries.” Texas A&M University Department of Agricultural Economics Seminar in Markets and Information Economics, October 10, 2003.
11. Casillas, G., and **P. D. Mitchell**. “Rural Credit Rationing and National Development Banks in Developing Countries.” Selected Paper: American Agricultural Economics Association Annual Meeting, Montreal, Quebec, Canada, July 27-30, 2003.
12. You, W., **P. D. Mitchell**, and R. Nayga, Jr. “Using Food Stamps to Improve Nutrient Intake.” Selected Paper: American Agricultural Economics Association Annual Meeting, Montreal, Quebec, Canada, July 27-30, 2003.
13. Zu, E., and **P. D. Mitchell**. “Contract to Secure Grower Compliance with Bt Corn Refuge.” Selected Paper: American Agricultural Economics Association Annual Meeting, Montreal, Quebec, Canada, July 27-30, 2003.
14. You, W., **P. D. Mitchell**, and R. Nayga, Jr. “Using Food Stamps to Improve Nutrient Intake.” Texas A&M University Department of Agricultural Economics Seminar in Markets and Information Economics, July 11, 2003.
15. Seo, S., D. Leatham, and **P. D. Mitchell**. “Risk Sharing and Incentives under Crop Insurance and External Equity Financing.” USDA-CSREES Regional Committee NCT194 (formerly NC221): Agricultural Finance Markets in Transition, Kansas City, MO, October 6-7, 2003.
16. Yang, J., and **P. D. Mitchell**. “Composed Error Model for Insect Damage Functions.” Heartland Environmental and Resource Economics Workshop, Ames, IA, September 22-23, 2002.

L. Research Presentations by Other Co-Authors

1. Hutchison, W., R. Moon, T. Leslie, S. Fleischer, M. Abrahamson, K. Hamilton, M. Gray, K. Steffey, R. Hellmich, V. Kaster, R. Wright, T. Hunt, **P. D. Mitchell**. “Twelve Years after the Adoption of Bt Maize in the U.S.: Impacts of Landscape Level Suppression of European Corn Borer in Several Midwestern States.” International Congress of Entomology, Durban, South Africa, July 6-12, 2008.
2. Buman, T., and **P. D. Mitchell**. “Prescribe Fire Liability Insurance.” Third International Fire Ecology and Management Congress, San Diego, CA, November 13-17, 2006.
3. Hutchison, W. D., E. Burkness, G. Pahl, T. Rabaey, B. Flood, T. Hurley, and **P. D. Mitchell**. Accelerating Technology Transfer of IPM: Recent Advancements with

- Midwestern U.S. Vegetable Crops via Private/Public Partnerships.” 21st Brazilian Entomological Congress, Recife/Salvador, Brazil, August 7-12, 2006.
4. Hutchison, W. D., E. Burkness, G. Pahl, T. Hurley, and **P. D. Mitchell**. “IPM—Rationale for a Risk/Reward Framework to Accelerate Adoption of IPM.” Entomological Society of America Annual Meetings, Ft. Lauderdale, FL, December 15-18, 2005.
 5. Alston, J. M., J. Hyde, M. C. Marra, and **P. D. Mitchell**. “An Ex Ante Analysis of the Benefits from the Adoption of Corn Rootworm Resistant, Transgenic Corn Technology.” Presented by Marra at the General Meeting of the Australian Agricultural and Resource Economics Society, February 11, 2003.
 6. Crowder, D.W., D. W. Onstad, C. A. Guse, and **P. D. Mitchell**. “Understanding and Managing the Rotation-Resistant Western Corn Rootworm: Simulated Analysis.” Presented by Crowder at the Joint ESA - ASA Symposium: Areawide Management of Corn Rootworms. Annual Meeting of the North Central Branch of the Entomological Society of America, Madison, WI, March 23-26, 2003.
 7. Mueller, T. C., **P. D. Mitchell**, B. G. Young, and A. S. Culpepper. Proactive Versus Reactive Management of Glyphosate-Resistant or -Tolerant Weeds. Invited Presentation, Syngenta Media Summit, New Orleans, LA, October, 2004.
 8. Mueller, T., S. Culpepper, B. Young, and **P. D. Mitchell**. “A Good Herbicide: Use It and Lose It.” Invited Presentation, Florida Weed Science Society Annual Meetings, Lake Alfred, FL, February 22-23, 2005.

M. Research Poster Presentations

1. Mueller, T., S. Culpepper, B. Young, and **P. D. Mitchell**. “Proactive versus Reactive Glyphosate Management.” Weed Science Society of America Annual Meetings, Honolulu, HI, February 6-11, 2005.

N. Funded Research Projects

1. Increasing the Economic and Environmental Sustainability of Sod Production Using Biosolids. Co-Project Director with D. Soldat (UW Soil Science) and eight others. Four Year (2008-2012) USDA-CSREES Specialty Crop Research Initiative Competitive Grant for \$497,000.
2. Evaluation of the Use of USDA’s Gross Margin Insurance Program by Dairy Farm Operators with Jersey Herds. Investigator under Principal Investigator Brian Gould. One-Year (2008-2009) American Jersey Cattle Association Research Foundation Competitive Grant for \$7,500.

3. Refining and Implementing Multifunctional Management Strategies for Organic Processing Vegetables. Lead Project Director with A. Bussan (UW Horticulture) and D. Reinemann (UW Biological Systems Engineering). Three-Year (2007-2010) USDA-CSREES National Research Intuitive Managed Ecosystems Competitive Grant for \$497,000.
4. Risk Management Tools for Diversified Vegetable Producers in the Upper Midwest. Principal Investigator. Three-Year (2007-2010) USDA-RMA Non-Insurance Risk Management Program Competitive Partnerships for \$321,000.
5. Economics of Producing Agricultural Commodities under Size-Based Incentive Contracts. Principal Investigator. Two-Year (2007-2009) University of Wisconsin College of Agriculture and Life Science Hatch Grant for \$53,000.
6. Reducing Cost to Accelerate Adoption of Variant Western Corn Rootworm IPM. Co-Principal Investigator with Eileen Cullen (UW-Entomology). Two year (2006-2007) USDA-CSREES North Central Region Integrated Pest Management Competitive Grant for \$90,000.
7. Developing AGR-Lite for Wisconsin. Principal Investigator. 1 year (2006) USDA-RMA non-competitive contract for \$12,000.
8. Economics of Corn Rootworm Control and Resistance Management. Principal Investigator. Two-Year (2005-2007) University of Wisconsin College of Agriculture and Life Science Hatch Grant for \$53,000.
9. Marketing Practices of Wisconsin Potato Growers. Co-Principal Investigator with Kyle Steigert. One-Year (2006) University of Wisconsin Food Systems Research Group Grant for \$39,000.
10. Mitigating the Economic Risk of Stock Reduction during Drought: An Adoption Support Tool for Cattle Producers. Investigator with Principal Investigator Stanley Buman (Agren, Inc., Carroll, IA). Two year (2004-2005) U. S. Department of Agriculture, Risk Management Agency Research and Development Competitive Partnership for \$576,136. Share: \$23,562.
11. Assessing the Risk of Resistance to Bt Corn by Rotation-Resistant Rootworms. Co-Principal Investigator with David Onstad, Joseph Spencer and Michael Gray (University of Illinois). Two year (2004-2005) U.S. Department of Agriculture, Cooperative State, Research, Education and Extension Service, Biotechnology Risk Assessment Research Competitive Grant for \$180,000. Share: \$23,164.
12. Reducing Risk to Accelerate Adoption of Sweet Corn IPM. Co-Principal Investigator with Terry Hurley and Bill Hutchison (University of Minnesota). Two year (2004-2005) USDA-CSREES North Central Region Integrated Pest Management Competitive Grant for \$67,300. Share: \$18,341.

13. Contributions to a Framework for Managing Insect Resistance to Transgenic Crops. Principal Investigator. Two year (2003-2004) U.S. Department of Agriculture, Agricultural Research Service and Environmental Protection Agency Cooperative Agreement for \$15,000. Share: \$15,000.
14. Developing a Prescribed Fire Liability Product. Co-Principal Investigator with John Walkowiak (Iowa Dept. Natural Resources), Tom Buman (Agren Inc., Carroll, IA), and Paula Seamon (Nature Conservancy). Two year (2003-2004) U.S. Department of Agriculture, Risk Management Agency, Research and Development Competitive Partnership for \$343,000. Share: \$18,016.
15. Effect of Northern Corn Rootworm Extended Diapause on Insect Resistance Management for Corn Event MON863. Principal Investigator. One year (2003) Monsanto competitively awarded contract for graduate student support for \$10,500. Share: \$10,500.
16. Economic Benefit to Growers of MON863 Corn Rootworm Transgenic Corn. Principal Investigator. One year (2002) Monsanto non-competitive unrestricted gift, \$8,000. Share: \$8,000.
17. Evaluation of Performance Based Premium Rate Discounts. Investigator with Co-Principal Investigators T. O. Knight (Texas A&M University), K. H. Coble, and B. J. Barnett (Mississippi State University). One year (2002) U.S. Department of Agriculture, Risk Management Agency Research and Development Competitive Partnership, \$180,000. Share: \$7,500.
18. Economics of Resistance Management for Transgenic Crops, Principal Investigator. One year (2000) Aventis Crop Science non-competitive unrestricted gift, \$10,000. Share: \$10,000.
19. CAMGS Carbon Center Project. Co-Principal Investigator with Bruce McCarl (Texas A&M University). One year (2000) Iowa State University, Center for Agricultural and Rural Development, non-competitive contract, \$30,000. Share: \$7,500.
20. Crop Rotation Collapses as a Pest Management Tool for Western Corn Rootworms: In Search of a Solution. Co-Principal Investigator with eleven others at the University of Illinois. Three year (2000-2002) competitive grant from Illinois Council for Food and Agricultural Research, \$2,000,000. Share \$15,000.
21. Erosion Productivity Impact Calculator (EPIC) and Pesticide Root Zone Model (PRZM) Metamodels for Site-Specific Pollution Production Functions. Principal Investigator. One year (1999) Iowa State University, Center for Agricultural and Rural Development, non-competitive contract, \$11,260. Share: \$11,260.

EXTENSION

A. Extension Publications

1. **Mitchell, P.D.** New Disaster Assistance for Wisconsin Farmers Affected by the 2008 Floods. UWEX Information Bulletin (2 pages), August 2008.
2. **Mitchell, P.D.** New Disaster Programs in the 2008 Farm Bill. UWEX Information Bulletin (4 pages), August 2008.
3. **Mitchell, P.D.** Practical Recommendations for Farmers Filing Late and Prevented Planting or Replant Claims: How to Work with Your Agent and Insurance Company. UWEX Information Bulletin (1 page), June 2008.
4. **Mitchell, P.D.** Disaster Assistance for Uninsured Farmers Affected by Recent Flooding. UWEX Information Bulletin (2 pages), June 2008.
5. **Mitchell, P.D.** Late and Prevented Planting Coverage and Replant Provisions for Wisconsin Farmers. UWEX Information Bulletin (2 pages), June 2008 (update).
6. **Mitchell, P.D.** Horticulture and Organic Agriculture (The Specialty Crops Title). 2008 Farm Bill: Wisconsin Focus Fact Sheet (2 pages), June 2008.
7. **Mitchell, P.D.** Average Crop Revenue Election (ACRE) Program. 2008 Farm Bill: Wisconsin Focus Fact Sheet (2 pages) plus diagram (1 page) June 2008.
8. **Mitchell, P.D.** Hints for Using Crop Insurance in 2008. UWEX Information Bulletin (2 pages), January 2008.
9. **Mitchell, P.D.** Is GRP a Good Deal for My Corn? UWEX Information Bulletin (5 pages), January 2008.
10. **Mitchell, P.D.** Federal Disaster Assistance for Vegetable Growers Affected by Recent Floods and Droughts. UWEX Information Bulletin (3 pages), September 2007, *Wisconsin Crop Manager* 14 (September 20, 2007):154-156, and Extension Responds: Flood August 2007.
11. **Mitchell, P.D.** Floods, Droughts and Crop Insurance: Alternative Uses of Insured Crops. UWEX Information Bulletin (2 pages), August 2007, *Wisconsin Crop Manager* 14 (August 29, 2007):145-146, and Extension Responds: 2007 Floods and Extension Responds: 2007 Drought.
12. **Mitchell, P.D.** Frost Damage and Crop Insurance Replant Provisions for Wisconsin Farmers. UWEX Information Bulletin (3 pages), May 2007 and *Wisconsin Crop Manager* 14(May 24, 2007):69-70.

13. **Mitchell, P.D.** Enterprise Budgeting Resources for Wisconsin Strawberry Farmers. UWEX Information Bulletin (1 page), May 2007.
14. **Mitchell, P.D.** Hints for Using Crop Insurance in 2007. UWEX Information Bulletin (2 pages), February 2007.
15. **Mitchell, P.D.** and F. Cody Heller. Is GRP a Good Deal for My Corn? UWEX Information Bulletin (5 pages), February 2007.
16. **Mitchell, P.D.** and F. Cody Heller. Is GRP a Good Deal for My Soybeans? UWEX Information Bulletin (4 pages), February 2007.
17. Hsieh, M.-F., **P. D. Mitchell**, and K. W. Stiegert. "Potato Demand in an Organic World: With demand for organic foods rising, how do potato varieties fare?" UW-Madison Food Systems Research Group, Issue Sheet #10 (2 pages), February 2007.
18. **Mitchell, P.D.** Late and Prevented Planting Coverage and Replant Provisions for Wisconsin Farmers. UWEX Information Bulletin (2 pages), June 2006.
19. Boerboom, C., and **P.D. Mitchell**. Can Proactive Herbicide Resistance Management Pay? *Wisconsin Crop Manager* 13(February 16, 2006):21-22.
20. Croff, C., and **P.D. Mitchell**. Estimating Your Cost of Potato Production. UWEX Information Bulletin (4 pages), with companion spreadsheet, February 2006.
21. **Mitchell, P.D.**, W. D. Hutchison, and E.C. Burkness. Sweet Corn for Processing: Value and Risk of IPM for European Corn Borer. Case study insert (2 pages) in Integrated Pest Management: A Risk Management Framework to Improve Decision - Making. University of Minnesota Extension Service, St. Paul, February 2006.
22. Hutchison, W. D., E. C. Burkness, M. A. Carrillo, T. L. Galvin, **P. D. Mitchell**, and T. M. Hurley. Integrated Pest Management: A Risk Management Framework to Improve Decision-Making. Public 08229. University of Minnesota Extension Service, St. Paul, February 2006.
23. **Mitchell, P.D.** An Overview of Crop Insurance for Wisconsin Farmers and Agricultural Professionals. *Wisconsin Crop Manager* 13(January 19, 2006):3.
24. **Mitchell, P.D.** New Bt Corn Decision Aid for Wisconsin Farmers. *Wisconsin Crop Manager* 13(January 19, 2006):3-4.
25. **Mitchell, P.D.** An Overview of Federal Crop Insurance in Wisconsin. UWEX Information Bulletin (24 pages), November 2005.

26. **Mitchell, P.D.** The Expected Net Benefit and Break-Even Probability for Bt Corn in Wisconsin. UWEX Information Bulletin (10 pages), with companion spreadsheet, October 2005.
27. **Mitchell, P.D.** A Fast and Simple Method to Estimate Typical Machinery Costs. UWEX Information Bulletin (4 pages), with companion spreadsheet, July 2005.
28. **Mitchell, P. D.** Soybean Rust and Crop Insurance: Summary of Current RMA Guidelines. Extension Responds: Soybean Rust, July 2005.
29. **Mitchell, P. D.** Soybean Rust Management Activities Documentation Template. Extension Responds: Soybean Rust, July 2005.
30. **Mitchell, P. D.** Drought and Alternative Uses of Insured Crops: Can I Chop My Insured Corn for Silage? *Wisconsin Crop Manager* 12(July 21, 2005):166-167 and Extension Responds: Drought.
31. **Mitchell, P. D.** Machinery Cost Estimate for Cranberry Boom Spreaders. *Cranberry Crop Management Newsletter XVIII*(July 20, 2005):2-4.
32. **Mitchell, P. D.,** W. Halfman, and B. Boetel. Livestock Risk Protection (LRP) Insurance. UWEX Information Bulletin (5 pages), November 2004.

B. Extension Presentations

1. The New Farm Bill: New Programs and New Requirements. Farm Bill/Crop Insurance Meeting, Mound City Bank, Platteville, WI September 9, 2008.
2. Insurance: Where Does it Fit into Your Operation? Whole Farm Management for Southwest Wisconsin Crop and Livestock Producers, Southwest Technical College, Fennimore, WI March 25, 2008.
3. Inputs and Crop Insurance for Potatoes and Vegetables in the New BioEconomy. Central WI Processing Crops Meeting, Hancock, WI, March 12, 2008.
4. Economic Realities of Growing Potatoes and Vegetables in the New Bioeconomy. Central WI Processing Crops Meeting, Hancock, WI, March 12, 2008.
5. Crop Insurance—What it is, What it's not, When it's Worthwhile. Managing Risks in the Produce Market, Richland Center, March 11, 2008.
6. The New Economics of Crop Production in Wisconsin. Wisconsin Association of Professional Agricultural Consultants Spring Seminar, Arlington, WI, March 6, 2008.
7. Production Costs and Availability of Agricultural Inputs. Wisconsin Muck Farmers Association Annual Meeting, Portage, WI, March 4, 2008.

8. Evaluating Crop Insurance Issues and Options. UW Extension North East Wisconsin Grain Crops Production Clinic, Green Bay, WI and Brillion, WI, February 22, 2008.
9. Potato Demand in an Increasingly Organic World. UW Extension and Wisconsin Potato and Vegetable Grower Association Conference, Stevens Point, WI, February 7, 2008.
10. Growing Potatoes in the Bioeconomy. UW Extension and Wisconsin Potato and Vegetable Grower Association Conference, Stevens Point, WI, February 6, 2008.
11. Costs, Returns and Crop Insurance for Corn and Soybeans in the Central Sands. Corn, Soybean Production and Marketing Seminar, Hancock, WI, January 28, 2008.
12. The “New” Economics of Corn Production. 2008 Wisconsin Corn Conferences, Rice Lake, January 10, Johnson Creek, January 21, Richland Center, January 22, 2008.
13. How prices and costs affect IPM. Wisconsin Fertilizer, Aglime, and Pest Management Conference, Madison, WI, January 17, 2008.
14. Economics of crop rotations under new input and grain prices. Wisconsin Fertilizer, Aglime, and Pest Management Conference, Madison, WI, January 16, 2008.
15. The Farm Bill: What is the Current Status? Western Wisconsin Ag Lenders Conference, Menomonie, WI, January 10, 2008.
16. Strawberry Enterprise Budgeting. Wisconsin Berry Growers Association Summer Field Day Barneveld, WI, May 25, 2007.
17. Crop Insurance and Processing Vegetables: Farmer Practices and Net Returns. UW Extension Central Wisconsin Processing Crops Meetings, Hancock, WI, March 14, 2007.
18. Stacks of Bills vs. Stacks of Genes. UW Extension North East Wisconsin Grain Crops Production Clinic, Green Bay, WI and Brillion, WI, February 23, 2007.
19. How Do We Continue to Grow Quality Potatoes with Skyrocketing Input Costs? UW Extension and Wisconsin Potato and Vegetable Grower Association Conference, Stevens Point, WI, February 7, 2007.
20. Value of AGR-Lite to Wisconsin Vegetable Growers. UW Extension and Wisconsin Potato and Vegetable Grower Association Conference, Stevens Point, WI, February 7, 2007.
21. Crop Insurance: Helpful Hints to Make More Money. Central Wisconsin Heart of the Farm, Wisconsin Dells, WI, January 23, 2007.

22. Crop Insurance and Commodity Crops: Helpful Hints to Make More Money. Juneau-Adams-Marquette Corn Soybean Growers 2006 Field Day, Camp Douglas, WI, August 24, 2006.
23. AGR-Lite Listening Sessions. Meetings conducted in Verona, Waukesha, Appleton, Hancock, Antigo, Spooner, and Altoona, WI over July 17-20, 2006.
24. Effect of Spacing and Tillage on Price and Returns, with A.J. Bussan. UW Extension and Wisconsin Potato and Vegetable Grower Association Conference, Stevens Point, WI, February 14, 2006.
25. Estimating Your Cost of Production for Growing Irrigated Corn and Expected Returns to Corn GRP Insurance. UW Extension Corn Marketing and Budgeting Seminar, Hancock Agricultural Research Station, WI, February 1, 2006.
26. Decision Tools for Corn Borer and Rootworm Management. Wisconsin Fertilizer, Aglime and Pest Management Conference, Madison, WI, January 19, 2006.
27. Crop Insurance: What You Need to Know. UW-Extension FARM Team's In-Service Professional Development Activity, Stevens Point, November 17, 2005.
28. Estimating Your Cost of Production for Growing Irrigated Corn. Potato-Vegetable-Field Corn-Cropping Systems on Irrigated Sandy Soil, Hancock Agricultural Research Station, Hancock, WI, October 25, 2005.
29. Estimating Cost of Production for Growing Corn and Soybeans. Central Wisconsin Corn Soybean Seminars, Adams, WI, February 22, 2005; Marshfield WI, February 24, 2005; Green Lake, WI, March 1, 2005; Stevens Point, WI, March 3, 2005.
30. Effect of Spacing and Tillage on Price. UW Extension and Wisconsin Potato and Vegetable Grower Association Conference, Stevens Point, WI, February 16, 2005.
31. Livestock Risk Protection Insurance. Jefferson County Farm Forum Night Class, Jefferson, WI, February 7, 2005.
32. Economics of Bt Corn in Wisconsin. Wisconsin Fertilizer, Aglime and Pest Management Conference, Madison, WI, January 14, 2005.
33. Economic Analysis of Control Options for Western Corn Rootworm Soybean Variant in Southern Wisconsin. Johnstown, WI, and Burlington, WI, December 8, 2004.

C. Extension Presentations by Graduate Students

1. Croff, C., and **P. D. Mitchell**. Potato Production Cost Estimator. UW Extension and Wisconsin Potato and Vegetable Grower Association Conference, Stevens Point, WI, February 14, 2006

D. Spreadsheet Decision Aids

The following are available at <http://www.aae.wisc.edu/mitchell/extension.htm>

1. Corn-Soybean-Small Grain Cost of Production and Marketing Calculator
2. Cost of Potato Production Estimator
3. Wisconsin Irrigated Corn Budget
4. Irrigation Cost Estimator for Wisconsin
5. Fast and Simple Method to Estimate Typical Machinery Costs
6. Net Benefit and Break-Even Probability Calculator for Bt Corn in Wisconsin
7. Net Benefit and Break-Even Probability Calculator for Western Corn Rootworm Control Using Soybean Trap Counts

E. Extension Work Cited in Newspapers and Press Releases

AgriView. Article “Crop Insurance, Disaster Assistance: Tips for Working Through the Rules” summarized extension bulletins for flood of 2008. June 19, 2008.

Media Newswire. Press Release “Tips/Perspectives on the Impact of Midwest Flooding” (http://media-newswire.com/release_1067772.html) included links to “Disaster Assistance for Uninsured Farmers Affected by Recent Flooding” and gave contact information. June 17, 2008.

AgriView. Article “Hints for Using Crop insurance in 2008” summarized extension bulletin of same name. March 6, 2008.

Wisconsin State Farmer. Article “Ag economist tabulates value for growers from transgenic traits” summarized presentation in Brillion, WI. March 2007.

The Badger Common’Tater. Brief description of extension presentation in “Corn Marketing and Budgeting Seminar.” March 2006.

AgriView. Article “New Bt Corn Decision Aid for Wisconsin Farmers” describing the decision aid “Net Benefit and Break-Even Probability Calculator for Bt Corn in Wisconsin.” February 2006.

Country Today. Attributed direct quotes appeared in article “Take out the trash” based on an extension presentation. November 2, 2005.

F. Interviews

Rick Barrett, Milwaukee Journal Sentinel, Milwaukee, WI. Telephone interview for article “Farmers’ planting schedules delayed: Rain, cold weather threaten state crop yields.” May 13, 2008.

Rick Barrett, Milwaukee Journal Sentinel, Milwaukee, WI. Telephone interview for article “Farmers’ risk grows with gain: commodity prices are good, but costs are up, too.” April 27, 2008.

Nate Leaf, Wisconsin State Journal, Madison, WI. Telephone interview; attributed quotes appeared in article “Fuel prices may pinch farmers.” March 28, 2006.

Ed Clark, Clark Communications, Minneapolis, MN. Telephone interview to prepare freelance article “Ten things to think about before buying farm insurance.” October 2005.

Channel 27 WKOW, Madison, WI. Telephone interview about farmer options for crop loss due to the Stoughton tornado; comments anonymously cited in the aired news report. August 20, 2005.

TEACHING

A. Courses Taught at the University of Wisconsin

AAE 320: Farming Systems Management (3 hours)

Spring 2006 (28 students), Spring 2007 (30 students), Spring 2008 (30 students).

Undergraduate course covering fundamentals of production economics and farm business management.

AAE 399: Coordinated Internship/Cooperative Education (3 hours):

Summer/Fall 2007 (1 student), Summer/Fall 2008 (2 students).

Sponsored student's summer internship and required a paper and additional meetings in the fall describing the internship and knowledge learned.

AAE 699: Independent Study (3 hours): Economics of Crop Insurance

Fall 2006 with 1 undergraduate.

Course overviewed the various federal crop insurance programs available in Wisconsin and student learned methods for analyzing net returns from crop insurance as part of a research project and creation of an Extension publication.

B. Summary of Student Teaching Evaluations at the University of Wisconsin

Mean Student Responses to Mitchell's teaching of **AAE 320: Farming System Management** (AAE department averages in parentheses).

Question	Spr '06	Spr '07	Spr '08
Were the classes clearly organized and well prepared?	4.05 (4.15)	4.39 (4.15)	3.57 (4.14)
Were the classes interesting and thought provoking?	3.77 (3.96)	4.20 (3.93)	3.14 (3.98)
How useful were the readings?	3.29 (3.21)	3.75 (2.87)	3.35 (2.95)
How well have the examinations and other assignments measured your knowledge of the course material?	4.36 (3.75)	4.61 (3.58)	4.00 (3.82)
How would you rate the difficulty of this course in comparison with your other University courses?	2.77 (3.09)	2.61 (3.13)	2.43 (3.03)
How fair were the grading procedures?	4.55 (3.91)	4.39 (3.80)	4.19 (3.97)
How responsive or helpful did you find the professor?	4.45 (4.09)	4.61 (3.86)	3.90 (4.03)
Would you recommend this course to a friend?	4.36 (4.17)	4.78 (3.94)	4.10 (4.07)
Overall, how do you rate the quality of the professor's teaching in this course?	4.23 (4.28)	4.72 (4.17)	3.57 (4.30)

C. Direction of Graduate Students at the University of Wisconsin

Major Professor: Masters Level

Carsten Croff, Funded on Hatch Grant 2005-2007, Graduated Summer 2007.

Thesis: "Estimating the Economic Impact of Tropospheric Ozone on Agriculture: Comparing Stochastic and Deterministic Methods."

Supervising Research Assistantship

Lan Cheng, Ph.D. Student funded on Hatch Grant beginning Fall 2007.

Zhe Dun, Ph.D. Student funded on Competitive Grant beginning Fall 2007.

Dana Butler, M.S. Student funded on Competitive Grant beginning Fall 2008.

Co-Supervising Research Assistantship

Ming-Feng Hsieh, Ph.D. Student funded on Food System Research Group Grant beginning Fall 2005.

Committee Member: Ph.D.

Francisco Galarza, Agricultural and Applied Economics, Major Professor: Michael Carter.

Andrea Bentacor, Agricultural and Applied Economics, Major Professor: Kim Zeuli, Graduated Summer 2007.

Heidi Kraiss, Horticulture, Major Professor: Jed Colquhoun.

Academic Advisor

Dana Butler, M.S., (Fall 2008-present)

Lan Cheng, Ph.D., (Fall 2007-present)

Carsten Croff, M.S. (Fall 2005-Summer 2007)

Zhe, Dun, Ph.D. (Fall 2008-present)

Steven Fenrick, M.S. (Fall 2007-present)

D. Courses Taught at Texas A&M University

AGEC 317: Quantitative Analysis in Agricultural Economics (3 hours)

Undergraduate course covering fundamental quantitative techniques, including the calculus of optimization, statistics, and regression, and their integration with economic theory for application to managerial decisions.

Taught four times with approximately 100 students each time.

AGEC 611: Production Economics I (3 hours)

Master's course covering the basic theory of production economics, the incorporation of risk into production, and empirical methods.

Taught once with six students.

AGEC 637: Economics of Production and Dynamic Optimization (3 hours)

PhD core course composed of two equal parts. Economics of Production covered the economic theory of production and decision making under uncertainty with emphasis on farm and agribusiness firm behavior. Dynamic optimization taught by another professor.

Taught twice with nine students each time.

AGEC 672: Agricultural Markets and Information Economics (3 hours)

PhD core course composed of two equal parts. Covered adverse selection and moral hazard as models to understand various economic relationships, with agricultural examples from livestock and fruit/vegetable contracts. Applications to agricultural markets taught by another professor.

Taught twice, averaging eight students each time.

AGEC 685: Directed Study: Advanced Production (3 hours)

At the request of students, taught a one-time-only PhD course covering the state-contingent approach to production economics and risk management. Course focused on presenting the theory and developing empirical applications.

Taught once with five students and two auditors.

AGEC 691: Research (3 hours)

Research credits for students working on their thesis or dissertation.

Taught twice with one student each time.

AGEC 693: Professional Study (3 hours)

Course for students working on their non-thesis Master's paper or other paper not part of their thesis or dissertation.

Taught twice with one student each time.

E. Summary of Student Teaching Evaluations at Texas A&M University

Undergraduate Teaching

AGEC 317: Quantitative Analysis in Agricultural Economics

As a required course with a strong quantitative focus, AGEC 317 has a reputation as a hard course. Average scores for the five other AGEC 317 instructors from 1999 to 2003 was 3.12, compared to Mitchell's average of 4.23.

Mean Student Responses to Mitchell's teaching of AGEC 317

	Spr '00	Spr '01	Spr '02	Fall '03
Overall Mean	4.24	4.32	4.12	4.56
Department Mean (undergraduate)	4.26	4.34	4.27	4.27
Rank in Department (undergraduate)*	17/23	18/25	15/23	7&12/37

*Rank for each section in 2003.

Graduate Teaching

AGEC 611: Production Economics I

AGEC 637: Economics of Production and Dynamic Optimization

AGEC 672: Agricultural Markets and Information Economics

Mean Student Responses to Mitchell's graduate teaching at Texas A&M University

	AGEC 611 Sum '00	AGEC 672 Fall '02	AGEC 637 Fall '03	AGEC 637 Sum '03
Overall Mean	4.70	4.90	4.86	4.41
Department Mean	4.69	4.28	4.53	4.34
Rank in Department	1/2	2/15	4/15	2/6

F. Direction of Graduate Students at Texas A&M University

Major Professor: Masters Level

1. Pilja Park, Agricultural Economics, Graduated Fall 2002. Thesis: "Estimating Production Functions and Risk Preferences with Damage Control Inputs."
2. Jose Manzenarez, Agricultural Economics, Graduated Spring 2003. Non-thesis Paper: "Impact of U.S. Target Prices for Corn on Producers' Surplus for Mexican Corn Producers."

Member of Ph.D. Committees in Agricultural Economics

1. Uwe Schneider (chair Dr. Bruce McCarl), graduated 2000
2. Gokhan Ozertan (chair Dr. H. Alan Love), graduated 2001
3. Mankeun Kim (chair Dr. Bruce McCarl), graduated 2004
4. Sangtaek Seo, (chair Dr. David Leatham), graduated 2004
5. Gabriel Casillas (chair Dr. David Bessler), graduated 2004
6. Wen You (co-chairs Dr. George Davis and Dr. Rudy Nayga), graduated 2005
Dissertation won the 2006 Outstanding Dissertation Award from the American Agricultural Economics Association
7. Juan Yang, (chair Dr. David Leatham), graduated 2006

SERVICE

A. Service to Profession

1. Academic Journals and Publishers

Ad hoc Manuscript Reviewer:

- 2008 *American Journal of Agricultural Economics*
Agricultural Economics
Environmental Management
Crop Science
Crop Protection
- 2007 *American Journal of Agricultural Economics* (twice)
Environmental and Resource Economics
Australian Journal of Agricultural and Resource Economics
Agricultural and Resource Economics Review
Environmental Science and Policy
Ecological Economics (twice)
Journal of Environmental Management
Journal of Agricultural Science and Technology
Agricultural and Forest Meteorology
Crop Protection
- 2006 *American Journal of Agricultural Economics*
Journal of Agricultural and Resource Economics
Ecological Economics
Agriculture, Ecosystems, and the Environment
Agronomy Journal
AgBioForum
Crop Management
Journal of Soil Water Conservation
- 2005 *Australian Journal of Agricultural and Resource Economics*
Journal of Agricultural and Resource Economics
Land Economics
Climatic Change
Review of Agricultural Economics
- 2004 *Journal of Environmental Economics and Management*
American Journal of Agricultural Economics
Journal of Agribusiness
Mathematical Biosciences
Crop Protection
Journal of Environmental Management (twice)
- 2003 *Journal of Agricultural and Resource Economics* (twice)
Review of Agricultural Economics
Journal of Cotton Science
Environmental Management
- 2001 *Journal of Agricultural and Applied Economics*

- 2000 Imperial College Press, London, England
 1999 *Journal of Agricultural and Resource Economics*
Water Resources Research
 1996 *Advances in Soil Science—Management of Carbon Sequestration in Soil*

2. Federal, State, and University Granting Agencies

Panelist:

- 2007 Joint Fire Sciences Program, December, 4-5, 2007, Washington, DC.
 Assessing and Communicating Wildfire Risks across Values of Interest:
 Creating a Problem Analysis to Inform Research

Ad hoc Grant Reviewer:

- 2008 Minnesota Agricultural Experiment Station Hatch Grant
- 2005 The Ohio Agricultural Research and Development Center's SEEDS:
 Research Competitive Grants Program
- 2004 U.S. Department of Agriculture-Cooperative State Research, Education,
 and Extension Service Small Business Innovation Research Grants
- Texas Agricultural Experiment Station Hatch Grant
- 2003 U.S. Civilian Research and Development Foundation for the Independent
 States of the Former Soviet Union, Science Centers Program

3. Professional Associations

- a) American Agricultural Economics Association
- 2009 Chair of PhD Dissertation Awards Committee
- 2008 Topic Leader: Selected Papers: Human Capital &
 Labor/Productivity Analysis
 Assembled committee of reviewers and compiled accepted
 papers into sessions with moderators.
- 2007 PhD Dissertation Awards Committee Member
 Topic Leader: Selected Posters: Production Economics/Human
 Capital & Labor/Productivity Analysis
 Assembled reviewer committee and compiled accepted posters
 Selected Papers Reviewer: Risk and Uncertainty
- 2006 Topic Leader: Selected Posters: Production Economics/Human
 Capital & Labor/Productivity Analysis
 Responsible for assembling committee of reviewers and
 compiling accepted posters.
 Session Moderator
- 2005 Selected Papers Reviewer: Risk and Uncertainty
 Selected Poster Reviewer: Emerging Technologies

- 2005 Selected Papers Reviewer: Risk and Uncertainty
Selected Poster Reviewer: Emerging Technologies
- 2004 Selected Papers Reviewer: Risk and Uncertainty
Selected Papers Reviewer: Emerging Technologies
Session Moderator
- 2003 Topic Leader: Selected Papers: Emerging Technologies
Responsible for assembling committee of 15 reviewers,
compiling accepted papers, identifying moderators, and
developing sessions.
Session Moderator
- 2002 Selected Papers Reviewer: Production Economics
Session Moderator
Poster Reviewer
- 2001 Selected Papers Reviewer: Environmental and Resources
Session Moderator
- 2000 Selected Papers Reviewer: Environmental and Resources
Session Moderator
- 1997 Selected Papers Reviewer: Environmental and Resources

b) Southern Agricultural Economics Association

- 2004 SAEA Research Membership Task Force: brainstormed for way to
increase membership by those with research appointments.
- 2003 Topic Leader: Production Economics and Farm Management
Assembled committee of 7 reviewers, organized sessions and
developed session titles.
Selected Papers Reviewer
- 2001 Selected Papers Reviewer

c) Western Agricultural Economics Association

- 2004 Selected Papers Reviewer
- 2002 Master's Thesis Awards Committee

4. Other Universities

Department of Agricultural and Resource Economics, University of Queensland,
Brisbane, Australia. External Committee Member for Ph.D. Student R. A.
Lawes, Major Professor: Malcolm Wegener. Dissertation Title:
“Analyzing Australian Sugarcane Block Productivity Data.” (2002).

B. Service to Department of Agricultural and Applied Economics

- 2008 Personnel Committee
Undergraduate Ag Business and Economics Club Faculty Advisor
Undergraduate Advising: 3 students
- 2007 Undergraduate Committee
Undergraduate Ag Business and Economics Club Faculty Advisor

- 2006 Undergraduate Advising: 1 student
Graduate Committee
- Undergraduate Ag Business and Economics Club Faculty Advisor
- 2005 Undergraduate Advising: 2 students
Extension Committee
- 2004 Undergraduate Advising: 2 students
Personnel Committee
Entrepreneurship and Technology Search and Screen Committee

C. Service to the University of Wisconsin

- 2008 UW Faculty Senate, Departmental Representative
- 2007 UW Faculty Senate, Departmental Representative
- 2006 UW Faculty Senate, Departmental Representative

D. Service at Texas A&M University

University Level

- 2003 Historian, Phi Beta Kappa. Worked as a member of the Executive Committee to plan the chapter installation and initiation of the first undergraduate members.

Department Level

- 2004 Teaching Awards Committee, Chair
Markets and Information Economics Field Committee
Undergraduate Advisory Committee
Research Advisory Committee
Faculty Advisory Committee
- 2003 Recruiting Planning Committee for Food Systems Security Position
Markets and Information Economics Field Committee
Ph.D. Core Preliminary Examination Committee
Aggie REPS Interview Committee: Interviewed 16 undergraduates to evaluate their potential to serve as Aggie REPS
Undergraduate Advisory Committee
Subcommittee on Redesigning AGEC 317
- 2002 Ph.D. Core Preliminary Examination Committee
Undergraduate Advisory Committee
Subcommittee on Redesigning AGEC 317
- 2001 Ph.D. Core Preliminary Examination Committee
Undergraduate Advisory Committee
- 2000 Teaching Awards Committee
- 1999 Teaching Awards Committee

E. Professional Consulting

1. United States Department of Agriculture, Risk Management Agency
Assisted Federal Crop Insurance Corporation Board Reviews of
 - a) Stacked Trait Endorsement (2008)
 - b) Cherry ARH (2008)
 - c) Stabilized APH (2007)
 - d) Declining Yields (2007)
 - e) Florida Fruit Tree (2005)
 - f) Hawaiian Tropical Tree Policy (2005)
 - g) Hawaiian Tropical Fruit Policy (2005)
 - h) Annual Gross Revenue (AGR)-Lite program expansion (2003)
 - i) Two different Cost of Production insurance plans for cotton (2002)
 - j) Timber insurance policy (2002)
 - k) Price Endorsement for Hybrid Seedcorn Crop Insurance (2001)
2. Monsanto, St. Lois, MO, 2007-2008
Evaluation of the pecuniary and non-pecuniary benefits of Roundup Ready corn, cotton, and soybeans.
3. Rural Community Insurance Services, Anoka, MN, 2008
Actuarial review of replant option and added price option named peril supplemental policies.
4. Agren, Inc., Carroll, IA, 2007
Analysis of prescribed burner survey data from Virginia.
5. Texas Tech University, 2006
Assisted in evaluation of U.S. H.R. 721: The Risk Management Enhancement Act, which would expand available crop insurance coverage options to allow crop farmers to purchase dual coverage with APH and GRP.
6. Agricultural Conservation Innovation Center, 2001
Developed premiums for Nutrient Best Management Practice Insurance. Policy received Federal Crop Insurance Corporation Board approval as a U.S. Department of Agriculture Risk Management Agency pilot program in Iowa, Minnesota, Pennsylvania, and Wisconsin beginning 2003.
7. Center for Agricultural and Rural Development, 2000
Evaluated market feasibility for Bt corn refuge insurance.
8. Ag Risk Management, 1997
Develop crop budgets to assess the impact of Roundup Ready soybeans.