

Curriculum Vitæ (comprehensive since 2015)

## SCOTT M. SWINTON

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### EDUCATION

**Ph.D. 1991**, Agricultural and Applied Economics, **University of Minnesota**, St. Paul, MN.

**M.S. 1983**, Agricultural Economics, **Cornell University**, Ithaca, NY.

**B.A. 1978**, Political Science and Economics, **Swarthmore College**, Swarthmore, PA.

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### PROFESSIONAL EXPERIENCE

**University Distinguished Professor** (2019 onward), **Professor** (2003-19), **Associate professor** (with tenure) (1997-2003) and **Assistant professor** (1991-97), Department of Agricultural, Food and Resource Economics, **Michigan State University**, E. Lansing, MI.

**Chairperson** (2021-23) and **Associate Chairperson for Graduate Program** (2011-16), Department of Agricultural, Food, and Resource Economics, **Michigan State University**, E. Lansing, MI.

**Visiting associate scientist** (1999), Department of Production Systems and Natural Resources, **International Potato Center (CIP)**, Lima, Perú.

**Research associate, Graduate fellow and Research assistant** (1987-91), Department of Agricultural and Applied Economics, **University of Minnesota**, St. Paul, MN. .

**Research assistant** (1987), Department of Agricultural Economics and Rural Sociology, **Auburn University**, Auburn, AL.

**Instructor** (1983-86), Department of Agricultural Economics, **Purdue University** and Junior Agricultural Economist, Niger Cereals Research Project (NCRP), advising the rural economics department of the Institut National de Recherches Agronomiques du Niger (INRAN), Maradi, Niger.

**Graduate fellow, research and teaching assistant** (1980-82), Department of Agricultural Economics, **Cornell University**, Ithaca, NY.

**Program analyst** (1979-80), International Development Office, **Church World Service**, New York, NY.

**Editorial intern** (1978-79), **Foreign Policy Magazine**, Washington, DC.

**English teacher** (1977), **International Center for Language Studies**, Bogotá, Colombia.

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## **DISTINCTIONS AND AWARDS**

Fellow, Agricultural and Applied Economics Association, 2020.

University Distinguished Professor, 2019 onward, Michigan State University.

President-Elect, 2016-17, President, 2017-18, and Past-President 2018-19, Agricultural and Applied Economics Association (AAEA); previously elected as Director on the AAEA Board, 2012-15.

Outstanding Ph.D. Alumni Award, 2019, University of Minnesota, Dept. of Applied Economics.

William J. Beal Outstanding Faculty Award, 2015, Michigan State University.

Advisor to 13 winners of Outstanding Thesis, MSU Agricultural, Food, and Resource Economics Department (7 M.S. and 6 Ph.D.), including 3 winners of AAEA Outstanding Thesis or Dissertation, Honorable Mention.

Leopold Leadership Fellow, 2008, Woods Institute for the Environment, Stanford University.

Outstanding Research Award, 2009, MSU Agricultural, Food & Resource Economics Department.

Excellence in Service Award, 2008, 2016, 2018 MSU Agricultural, Food & Resource Economics Department.

Outstanding Graduate Student Advising, 2006, MSU Agricultural Economics Department.

Leadership trainee, 2003-04, Michigan Agricultural Experiment Station and USDA ESCOP/ACOP.

Outstanding Paper Published in *Weed Science* in 1997, Weed Science Society of America.

Harald Jensen Award of Excellence, 1991 (Best Ph.D. dissertation), Department of Agricultural and Applied Economics, University of Minnesota.

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## **LANGUAGES**

Spanish excellent (speaking, reading and writing).

French proficient (speaking, reading and writing).

Hausa basic (speaking only).

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## COURSES TAUGHT

**Economics of Decision Making in the Agri-Food System** (ABM 303; 3 credits, undergraduate, 2016, 2018-20). Managerial economics with applications to agriculture, food, and natural resources.

**Research Design and Writing in Applied Economics** (AFRE 891: Special Topics; 3 credits, graduate, 2018-20). Philosophical grounds and economic approaches to making robust arguments. Writing, presentation, and critique of research in applied economics.

**Applied Microeconomics** (AFRE 900A/991, 3 credits, graduate, 2011-14, with C. Garnache, R. Horan, R. Myers, M. Skidmore). Empirical analysis of microeconomic problems emphasizing applications to agriculture, natural resources, and the food sector. Math programming, decision analysis, and econometric tools. Focus on modeling producer and consumer behavior, and decision making under risk.

**Agricultural Production Economics** (AEC 855, 3 credits, graduate, 1994-98, 2000-10, with J.R. Black). Economic analysis of agricultural production, derived supply and input demand, technological change, technology adoption, and financial and environmental risk. Empirical analysis methods.

**Ecological Economics** (EEP 255, 3 credits, undergraduate, 2007, 2009). Relationship between the economy and the natural environment. Economic concepts applied to natural resources and ecosystems.

**Agricultural Operations Management** (AEC 851, 3 credits, graduate, 2003-04, 2006, with S. Harsh and C.A. Wolf). Managerial processes for planning and controlling agricultural firms, including linear programming, budgeting, risk modeling, dynamic programming, management information systems.

**Agricultural Firm Management** (AEC 851, 3 credits, graduate, 1993-96, 1998 with J.R. Black and G. Schwab). Managerial processes for planning and controlling agricultural firms. Applications of financial concepts, budgets, simulations, and cognitive and information systems to developed and developing countries. Predictive and prescriptive analysis.

**Farm Business Management** (FSM 330, 3 credits, undergraduate, 1991-98). Management, planning, and control of farm production, marketing, and financial activities. Economic principles, budgeting, and financial statements, utilizing computer spreadsheets and business decision cases.

### Independent Studies supervised.

- AFRE 890, 2 credits, graduate (2017). "Impact Analysis Using the Economic Surplus Method."
- AEC 890, 3 credits, graduate (2011). Curricular practical training at the National Academies of Science.
- AEC 890, 1 credit, graduate (2008). "Learning ArcGIS Desktop."
- AEC 991, 3 credits, graduate (2007). Curricular practical training at the World Bank.
- FSM 490, 2 credits, undergraduate (1998). "Evaluating the Profitability of Precision Agriculture."
- ANR 493, 3 credits, undergraduate, (1994, 1997). Summer internships in Michigan agribusinesses.
- AEC 890, 3 credits, graduate (1993). "Economics of Agricultural Sustainability."

## GRANTS AND CONTRACTS (Summary; see details pp. 27-29)

**External awards total \$124,842,000** of which Swinton directly managed \$4,511,000.

**Internal total** (including MSU AgBioResearch and MSU Extension): Swinton responsible for \$560,000.

**PUBLICATIONS** (pages 4-16) and **RECENT PRESENTATIONS** (16-26)

**BOOKS**

1. National Academies of Sciences, Engineering, and Medicine (NASEM). 2023. [\*An Assessment of the Need for Native Seeds and the Capacity for Their Supply\*](#). Swinton was a contributing member of the NASEM Committee on an Assessment of Native Seed Needs and Capacities that authored this final report.
2. National Academies of Sciences, Engineering, and Medicine (NASEM). 2020. [\*An Assessment of the Need for Native Seeds and the Capacity for Their Supply: Interim Report\*](#). Swinton was a contributing member of the NASEM Committee on an Assessment of Native Seed Needs and Capacities that authored the interim report.
3. Institute of Medicine (IOM) and National Research Council (NRC). 2015. [\*A Framework for Assessing Effects of the Food System\*](#). Washington, DC: National Academies Press. Swinton was a contributing member of the IOM Committee on A Framework for Assessing the Health, Environmental, and Social Effects of the Food System that authored the report.
4. National Research Council (NRC). 2007. [\*Status of Pollinators in North America\*](#). Washington, DC: National Academies Press. Swinton was a contributing member of the NRC Committee on the Status of Pollinators in North America that authored the report.
5. Shiferaw, B., H.A. Freeman, and S.M. Swinton, eds. 2005. [\*Natural Resource Management in Agriculture: Methods for Assessing Economic and Environmental Impacts\*](#), London: CABI.
6. Casey, C.F., A. Schmitz, S.M. Swinton, and D. Zilberman, eds. 1999. [\*Flexible Incentives for the Adoption of Environmental Technologies in Agriculture\*](#), Boston: Kluwer. (Casey and Swinton were lead editors.)
7. Swinton, S.M., ed. 1995. *Teaching and Learning with Cases: Promoting Active Learning in Agriculture, Food and Natural Resource Education*. Proceedings of a workshop held in Chaska, Minnesota, July 6-8, 1995. East Lansing, MI: College of Agriculture and Natural Resources, Michigan State University.

**JOURNAL ARTICLES**

1. Malone, T., S.M. Swinton, A. Pudasainee, and G. Bonito. 2022. "[Economic Assessment of Morel \(\*Morchella\* spp.\) Foraging in Michigan, USA](#)." **Economic Botany** 76(1): 1-17.
2. Mooney, D.F., S.M. Swinton, C. Subia, E. Peralta. 2022. "[Returns to Disease Resistance Research when Pest Management is an Option](#)." **Sustainability** 14: #2859.
3. Swinton, S.M. 2022. "[Precision Conservation: Linking Set-aside and Working Lands Policy](#)." **Applied Economic Perspectives and Policy** 44(3): 1158-1167.
4. Luther, Z.R., S.M. Swinton, and B.S. Van Deynze. 2022. "[Potential Supply of Midwest Cropland for Conversion to In-Field Prairie Strips](#)." **Land Economics** 98(2): 274-291.
5. Van Deynze, B.S., S.M. Swinton, and D.A. Hennessy. 2022. "[Are Glyphosate-Resistant Weeds a Threat to Conservation Agriculture? Evidence from Tillage Practices in Soybeans](#)." **American Journal of Agricultural Economics** 104(2): 645-672.

6. Swinton, S.M. 2021. "[Learning about Consumer Demand from Student Surveys.](#)" **Applied Economics Teaching Resources** 3(3): 147-155.
7. Balvanera, P., H. Paz, F. Arreola-Villa, R. Bhaskar, F. Bongers, S. Cortés, E. del Val, E. García-Frapolli, M.E. Gavito, C. González-Esquivel, M. Martínez-Ramos, A. Martínez-Yrizar, F. Mora, J. Naime, N. Pérez-Cárdenas, O. Ugartechea-Salmerón, I. Siddique, I. Suazo-Ortuño, S.M. Swinton. 2021. "[Social ecological dynamics of tropical secondary forests.](#)" **Forest Ecology and Management** 496: #119369.
8. Swinton, S.M. and H. Zhang. 2021. "[Tractable Cubic Cost Functions for Teaching Microeconomics,](#)" **Applied Economics Teaching Resources** 3(2): 19-25.
9. Swinton, S.M., F. Dulys, and S.S.H. Klammer. 2021. "[Why Biomass Residue Is Not as Plentiful as It Looks: Case Study on Economic Supply of Logging Residues.](#)" **Applied Economic Perspectives and Policy** 43(3):1003-1025.
10. Baetsen-Young, A., S.M. Swinton, and M. Chilvers. 2021. "[Economic Impact of Fluopyram-Amended Seed Treatments to Reduce Soybean Yield Loss Associated with Sudden Death Syndrome.](#)" **Plant Disease** 105(1): 78-86.
11. Harrison, S.P., R. Schoen, D. Atcitty, R. Fiegner, R. Goodhue, K. Havens, C.C. House, R.C. Johnson, E. Leger, V. Lesser, J. Opsomer, N. Shaw, D.E. Soltis, S.M. Swinton, E. Toth, and S.A. Young. 2020. "Preparing for the Need for a Supply of Native Seed." **Ecological Restoration** 38(4): 203-206.
12. Cusser, S., C. Bahlai, S.M. Swinton, G.P. Robertson, N.M. Haddad. 2020. "[Long-term Research Needed to Avoid Spurious Trends in Sustainability Attributes of No-till.](#)" **Global Change Biology** 26(6): 3715-3725.
13. Luther, Z., S.M. Swinton, and B. Van Deynze 2020. "[What Drives Voluntary Adoption of Farming Practices that Can Abate Nutrient Pollution?](#)" **Journal of Soil and Water Conservation** 75(5): 640-650.
14. Finger, R., S.M. Swinton, N. El Benni, and A. Walter, 2019. "[Precision Farming at the Nexus of Agricultural Production and the Environment.](#)" **Annual Review of Resource Economics** 11: 313-335.
15. Dulys-Nusbaum, E., S.S.H. Klammer, and S.M. Swinton. 2019. "[How Willing Are Different Types of Landowner to Supply Hardwood Timber Residues for Bioenergy?](#)" **Biomass and Bioenergy** 122: 45-52.
16. Peralta, A., S.M. Swinton, and S. Jin. 2018. "[The secret to getting ahead is getting started: Early impacts of a rural development project.](#)" **Sustainability** 10(8), 2644.
17. Skevas, T., I. Skevas, and S.M. Swinton. 2018. "[Does spatial dependence affect the intention to make land available for bioenergy crops?](#)" **Journal of Agricultural Economics** 69(2): 393-412.
18. Swinton, S.M. 2018. "[Why Should I Believe Your Applied Economics?](#)" Agricultural and Applied Economics Association 2017 Presidential address. **American Journal of Agricultural Economics** 100(2):381-391.
19. Khanna, M., S.M. Swinton, and K.D. Messer 2018. "[Sustaining our Natural Resources in the Face of Increasing Societal Demands on Agriculture: Directions for Future Research.](#)" **Applied Economics Perspectives and Policy** 40(1):38-59.
20. Palm-Forster, L.H., S.M. Swinton, and R.S. Shupp. 2017. "Farmer preferences for conservation incentives that

- promote voluntary phosphorus abatement in agricultural watersheds.” **Journal of Soil and Water Conservation** 72(5): 493-505.
21. Robertson, G.P., S.K. Hamilton, R.C. Izaurralde, B.E. Dale, R.D. Jackson, J.M. Tiedje, D.A. Landis, S.M. Swinton, K.D. Thelen, B.L. Barham. 2017. “Cellulosic biofuel contributions to a sustainable energy future: choices and outcomes.” **Science** 356, 1349. (30 June 2017).
  22. Swinton, S.M. and B. Van Deynze. 2017. “Hoes to Herbicides: Economics of Evolving Weed Management in the United States.” **European Journal of Development Research** 29(3): 560-574.
  23. Swinton, S. M., S. Tanner, B. L. Barham, D. F. Mooney and T. Skevas. 2017. “[How Willing Are Landowners to Supply Land to Grow Bioenergy Crops in the Northern Great Lakes Region?](#)” **Global Change Biology – Bioenergy** 9: 414-428.
  24. Kerr, J.M., J. DePinto, D. McGrath, S. Sowa, and S.M. Swinton. 2016. “[Sustainable Management of Great Lakes Watersheds Dominated by Agricultural Land Use.](#)” **Journal of Great Lakes Research** 42(6): 1252-1259.
  25. Palm-Forster, L.H., S.M. Swinton, T. Redder, J.V. DePinto, and C. Boles. 2016. “[Using Conservation Auctions Informed by Environmental Performance Models to Reduce Agricultural Nutrient Flows into Lake Erie.](#)” **Journal of Great Lakes Research** 42(6): 1357-1371.
  26. Barham, B.L., D. Mooney, and S.M. Swinton. 2016. “[Inconvenient Truths about Landowner \(Un\)Willingness to Grow Bioenergy Crops on Marginal Lands.](#)” **Choices** 31(4).
  27. Palm-Forster, L.H., S.M. Swinton, F. Lupi and R.S. Shupp. 2016. “Too Burdensome to Bid: Transaction Costs and Pay-for-Performance Conservation.” **American Journal of Agricultural Economics** 98(5): 1314-1333.
  28. Garnache, C., S.M. Swinton, J. Herriges, F. Lupi, and J. Stevenson. 2016. “Solving the Phosphorus Pollution Puzzle: Synthesis and Directions for Future Research.” **American Journal of Agricultural Economics** 98(5): 1334-1359.
  29. Peralta, A. and S.M. Swinton. 2016. “[Food vs. Wood: Dynamic Choices for Kenyan Smallholders.](#)” **Sustainable Agriculture Research** 5(1): 97-108.
  30. Skevas, T., S.M. Swinton, S. Tanner, G. Sandford, and K. Thelen. 2016. “[Investment Risk in Bioenergy Crops.](#)” **Global Change Biology – Bioenergy** 8(6): 1162-1177.
  31. Skevas, T., N.J. Hayden, S.M. Swinton, and F. Lupi. 2016. “[Landowner Willingness to Supply Marginal Land for Bioenergy Production.](#)” **Land Use Policy** 50: 507-517.
  32. Egbendewe-Mondzozo, A., S.M. Swinton, S. Kung, M.W. Post, J.C. Binfield and W. Thompson 2015. “[Bioenergy Supply and Environmental Impacts on Cropland: Insights from Multi-Market Forecasts in a Great Lakes Subregional Bioeconomic Model.](#)” **Applied Economic Perspectives and Policy** 37(4): 602-618.
  33. Skevas, T., S.M. Swinton, T.D. Meehan, T. N. Kim, C. Gratton and A. Egbendewe-Mondzozo 2014. “[Integrating Agricultural Pest Biocontrol into Forecasts of Energy Biomass Production.](#)” **Ecological Economics** 106: 195-203.
  34. Skevas, T., S.M. Swinton and N.J. Hayden. 2014. “[What Type of Landowner Would Grow Energy Crops?](#)”

**Biomass and Bioenergy** 67: 252-259.

35. Robertson, G.P., K.L. Gross, S.K. Hamilton, D.A. Landis, T.M. Schmidt, S.S. Snapp, and S.M. Swinton. 2014. "[Farming for Services: An Ecological Approach to Production Agriculture.](#)" **BioScience** 64(5): 404-415.
36. Kells, B.J. and S.M. Swinton. 2014. "[Profitability of Cellulosic Biomass Production in the Northern Great Lakes Region.](#)" **Agronomy Journal** 106(2): 397-406.
37. Egbendewe-Mondzozo, A., S.M. Swinton, R.C. Izaurralde, D.H. Manowitz and X. Zhang. 2013. "[Maintaining Environmental Quality while Expanding Energy Biomass Production: Sub-regional U.S. Policy Simulations.](#)" **Energy Policy** 57: 518-531.
38. Egbendewe-Mondzozo, A., S.M. Swinton, B.D. Bals and B.E. Dale. 2013. "[Can Dispersed Biomass Processing Protect the Environment and Cover the Bottom Line for Biofuel?](#)" **Environmental Science & Technology** 47(3):1695-1703..
39. Ma, S., S.M. Swinton, F. Lupi, and C.B. Jolejole-Foreman. 2012. "[Farmers' Willingness to Participate in Payment-for-Environmental-Services Programs.](#)" **Journal of Agricultural Economics** 63(3):604-626.
40. Richards, P.D., R.J. Myers, S.M. Swinton and R.T. Walker. 2012. "[Exchange Rates, Soybean Supply Response, and Deforestation in South America.](#)" **Global Environmental Change** 22(2): 454-462.
41. Ma, S. and S.M. Swinton. 2012. "Hedonic Valuation of Farmland Using Sale Prices versus Appraised Values." **Land Economics** 88(1): 1-15.
42. Zhang, W. and S.M. Swinton. 2012. "[Optimal Control of Soybean Aphid in the Presence of Natural Enemies and the Implied Value of Their Ecosystem Services.](#)" **Journal of Environmental Management** 96: 7-16.
43. Egbendewe-Mondzozo, A., S.M. Swinton, R.C. Izaurralde, D.H. Manowitz and X. Zhang. 2011. "[Biomass Supply from Alternative Cellulosic Crops and Crop Residues: A Spatially Explicit Bioeconomic Modeling Approach.](#)" **Biomass and Bioenergy** 35: 4636-4647.
44. Swinton, S.M., B.A. Babcock, L.K. James and V. Bandaru. 2011. "[Higher U.S. Crop Prices Trigger Little Area Expansion so Marginal Land for Biofuel Crops Is Limited.](#)" **Energy Policy** 39: 5254-5258.
45. Ma, S. and S.M. Swinton. 2011. "[Valuation of Ecosystem Services from Rural Landscapes Using Agricultural Land Prices.](#)" **Ecological Economics** 70(9): 1649-1659.
46. Song, F., J. Zhao and S.M. Swinton. 2011. "Switching to Perennial Energy Crops under Uncertainty and Costly Reversibility." **American Journal of Agricultural Economics** 93(3): 768-783.
47. Collins, S. L., S. R. Carpenter, S. M. Swinton, D. Ornstein, D. L. Childers, T. L. Gragson, N. B. Grimm, J. M. Grove, S. L. Harlan, A. K. Knapp, G. P. Kofinas, J. J. Magnuson, W. H. McDowell, J. M. Melack, L. A. Ogden, G. P. Robertson, M. D. Smith, and A. C. Whitmer. 2011. "An Integrated Conceptual Framework for Social-ecological Research." **Frontiers in Ecology and the Environment** 6: 351-357.
48. James, L.K., S.M. Swinton and K.D. Thelen. 2010. "Profitability of Cellulosic Energy Crops Compared with Corn." **Agronomy Journal** 102(2): 675-687.

49. Zhang, W., W. van der Werf and S.M. Swinton. 2010. "Spatially Optimal Habitat Management for Enhancing Natural Control of an Invasive Agricultural Pest: Soybean Aphid." **Resource and Energy Economics** 32: 551-565.
50. Okello, J.J. and S.M. Swinton. 2010. "From Circle of Poison to Circle of Virtue: Pesticides, Export Standards and Kenya's Green Bean Farmers." **Journal of Agricultural Economics** 61(2): 209-224.
51. Jiang, Y. and S.M. Swinton. 2009. "Market Interactions, Farmers' Choices, and the Sustainability of Growing Advanced Biofuels: A Missing Perspective?" **International Journal of Sustainable Development & World Ecology** 16(6): 438-450.
52. Song, F. and S.M. Swinton. 2009. "Returns to Integrated Pest Management Research and Outreach for Soybean Aphid." **Journal of Economic Entomology** 102(6): 2116-2125.
53. Johnson, K.D., M.E. O'Neal, D.W. Ragsdale, C.D. DiFonzo, S.M. Swinton, P.M. Dixon, B.D. Potter, E.W. Hodgson and A.C. Costamagna. 2009. "Probability of Cost-effective Management of Soybean Aphid (Hemiptera: Aphididae) in North America." **Journal of Economic Entomology** 102(6): 2101-2108.
54. Zhang, W. and S.M. Swinton. 2009. "Incorporating Natural Enemies in an Economic Threshold for Dynamically Optimal Pest Management." **Ecological Modelling** 220(9-10): 1315-1324.
55. Landis, D.A., M.M. Gardiner, W. van der Werf, and S.M. Swinton. 2008. "[Increasing Corn for Biofuel Production Reduces Biocontrol Services in Agricultural Landscapes.](#)" **PNAS: Proceedings of the National Academy of Science** 105(51): 20552-20557.
56. Swinton, S.M. 2008. "[Reimagining Farms as Managed Ecosystems.](#)" **Choices** 23(2): 28-31.
57. Labarta, R.A., D.S. White and S.M. Swinton 2008. "Does Charcoal Production Slow Agricultural Expansion into the Peruvian Amazon Rainforest?" **World Development** 36(3): 527-540.
58. Swinton, S.M., F. Lupi, G.P. Robertson and S.K. Hamilton 2007. "Ecosystem Services and Agriculture: Cultivating Agricultural Ecosystems for Diverse Benefits." **Ecological Economics** 64(2): 245-252.
59. Wossink, A. and S.M. Swinton 2007. "Jointness in Production and Farmers' Willingness to Supply Non-marketed Ecosystem Services." **Ecological Economics** 64(2): 297-304.
60. Zhang, W., T.H. Ricketts, C. Kremen, K. Carney, and S.M. Swinton 2007. "Ecosystem Services and Dis-services to Agriculture." **Ecological Economics** 64(2): 253-260.
61. Satriawan, E., and S.M. Swinton 2007. "Does Human Capital Raise Farm or Non-farm Earning More? New Insight from a Rural Pakistan Household Panel." **Agricultural Economics** 36(3): 421-428.
62. Okello, J.J., and S.M. Swinton 2007. "Compliance with International Food Safety Standards in Kenya's Green Bean Industry: Comparison of a Small and a Large Scale Farm Producing for Export." **Review of Agricultural Economics** 29(2): 269-285.
63. Swinton, S.M., F. Lupi, G.P. Robertson and D.A. Landis 2006. "Ecosystem Services from Agriculture: Looking Beyond the Usual Suspects." **American Journal of Agricultural Economics** 88(5): 1160-1166.



64. Liu, Y., S.M. Swinton, and N.R. Miller 2006. "Is Site-specific Yield Response Consistent over Time? Does it Pay?" **American Journal of Agricultural Economics** 88(2): 471-483.
65. Gebremedhin, B. and S. Swinton 2006. "Determinants of Farmer Perceptions of the Severity and Yield Impact of Soil Erosion in Northern Ethiopia." **Ethiopian Journal of Agricultural Economics** 6(1): 1-15.
66. Swinton, S.M. 2005. "As Ecosystem Services Are Demanded of Agriculture, What of Agricultural Economists?" **Western Economics Forum** 4(2): 21-23.
67. Swinton, S.M. 2005. "Economics of Site-specific Weed Management." **Weed Science** 53(2): 259-263.
68. Robertson, G.P. and S.M. Swinton 2005. "[Reconciling Agricultural Productivity and Environmental Integrity: A Grand Challenge for Agriculture.](#)" **Frontiers in Ecology and the Environment** 3(1): 38-46. Chinese translation (pp. 111-123: <http://www.frontiersinecology.org/specialissue/Ecovision-Chinese.pdf>)
69. Snapp, S.S., S.M. Swinton, R. Labarta, D. Mutch, J.R. Black, R. Leep, J. Nyiraneza and K. O'Neil 2005. "Evaluating Cover Crops for Benefits, Costs and Performance within Cropping System Niches." **Agronomy Journal** 97(1): 322-332.
70. Swinton, S.M., G. Escobar and T. Reardon 2003. "Poverty and Environment in Latin America: Concepts, Evidence and Policy Implications." **World Development** 31(11): 1865-1872.
71. Swinton, S.M. and R. Quiroz 2003. "Is Poverty to Blame for Soil, Pasture and Forest Degradation in Peru's Altiplano?" **World Development** 31(11): 1903-1919.
72. Maumbe, B.M. and S.M. Swinton 2003. "Adoption of Cotton I.P.M. in Zimbabwe: The Role of Technology Awareness and Pesticide-related Health Risks." **Journal of Sustainable Development in Africa** 5(2):60-86.
73. Maumbe, B.M. and S.M. Swinton 2003. "Hidden Health Costs of Pesticide Use in Zimbabwe's Smallholder Cotton Growers." **Social Science & Medicine** 57: 1559-1571.
74. Swinton, S.M. and R. Quiroz 2003. "Poverty and the Deterioration of Natural Soil Capital in the Peruvian Altiplano." **Environment, Development and Sustainability** 5: 477-490.
75. Gebremedhin, B. and S.M. Swinton 2003. "Investment in Soil Conservation in Ethiopia: The Role of Land Tenure Security and Public Programs." **Agricultural Economics** 29: 69-84.
76. Bullock, D.G., J. Lowenberg-deBoer and S.M. Swinton 2002. "Adding Value to Spatially Managed Inputs by Understanding Site-specific Yield Response." **Agricultural Economics** 27: 233-245.
77. Swinton, S.M. 2002. "Capturing Household-level Spatial Influence in Agricultural Management using Random Effects Regression." **Agricultural Economics** 27: 371-381.
78. Swinton, S.M., K.A. Renner and J.J. Kells 2002. "On-Farm Comparison of Three Postemergence Weed Management Decision Aids in Michigan." **Weed Technology** 16(3): 691-698.
79. Swinton, S.M. 2001. "Strategies for Sustainable Development of Less-Favored Areas: Discussion." **American Journal of Agricultural Economics** 83(5): 1241-1242.

80. Swinton, S.M. 2001. "More Avenues for Boosting Agricultural Productivity than Just Biotechnology." **Environment and Development Economics** 6(4): 525-527.
81. Swinton, S.M. and S.S. Batie 2001. "[FQPA: Pouring Out \(In?\) the Risk Cup.](#)" **Choices** 16(1): 14-17.
82. Bernet, T., O. Ortiz, R.D. Estrada, R. Quiroz and S. Swinton. 2001. "Tailoring Agricultural Extension to Different Production Contexts: A User-Friendly Farm-Household Model to Improve Decision-Making for Participatory Research." **Agricultural Systems** 69: 183-198.
83. Gebremedhin, B. and S.M. Swinton 2000. "Reconciling Food-for-Work Project Feasibility with Food Aid Targeting in Tigray, Ethiopia." **Food Policy** 26(1): 85-95.
84. Gebremedhin, B. and S. Swinton. 2000. "Reconciling Food-For-Work Objectives: Resource Conservation vs. Food Aid Targeting in Tigray, Ethiopia." **Ethiopian Journal of Agricultural Economics** 4(1): 51-71.
85. Renner, K.A., S.M. Swinton and J.J. Kells 1999. "Adaptation and Evaluation of the *WEEDSIM* Weed Management Model for Michigan." **Weed Science** 47: 338-348.
86. Gebremedhin, B., S. Swinton and Y. Tilahun 1999. "Effects of Stone Terraces on Crop Yields and Farm Profitability: Results On-farm Research in Tigray, Northern Ethiopia." **Journal of Soil and Water Conservation** 54(3): 568-573.
87. Swinton, S.M. and J. Lowenberg-DeBoer 1998. "Evaluating the Profitability of Site-Specific Farming." **Journal of Production Agriculture** 11(4): 439-446.
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## BOOK REVIEWS

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2. Swinton, S.M. 2007. Book review: “*Slash-and-Burn Agriculture: The Search for Alternatives*.” **Economic Development and Cultural Change** 56(1): 234-236.

## BOOK CHAPTERS

1. Robertson, G.P., K.L. Gross, S.K. Hamilton, D.A. Landis, T.M. Schmidt, S.S. Snapp, and S.M. Swinton. 2015. “Farming for Services: An Ecological Approach to Production Agriculture.” Chapter 2 in S.K. Hamilton, J.E. Doll and G.P. Robertson, eds., [\*The Ecology of Agricultural Landscapes: Long-term Research on the Path to Sustainability\*](#). New York: Oxford. Pages 33-53.
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6. Norton, G.W. and S.M. Swinton, 2009. “Protocol for Economic Impact Evaluation of IPM Programs.” Chapter 3 in R. Peshin and A.K. Dhawan, eds., [\*Integrated Pest Management: Dissemination and Impact\*](#). Springer. Pages 79-101.
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8. Swinton, S.M. 2005. “Too Poor to Be Stewards? Rural Poverty and Sustainable Natural Resource Management.” Chapter 7 in S. Asefa, ed., *The Economics of Sustainable Development*. Kalamazoo: Upjohn Institute for Employment Research. Pages 153-177.
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10. Swinton, S.M. 2005. "Assessing the Economic Impacts of Natural Resource Management Using Economic Surplus." Chapter 7 in B. Shiferaw, H.A. Freeman and S.M. Swinton, eds., *Natural Resource Management in Agriculture: Methods for Assessing Economic and Environmental Impacts*, London: CABI. Pages 155-174.
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19. Swinton, S.M., M.C. Chu, and S.S. Batie 1999. "Agricultural Production Contracts to Reduce Water Pollution." In C.F. Casey, A. Schmitz, S.M. Swinton, and D. Zilberman, eds., *Flexible Incentives for the Adoption of Environmental Technologies in Agriculture*, Boston: Kluwer.
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23. Lowenberg-DeBoer, J. and S. Swinton 1997. "Economics of Site-Specific Management in Agronomic Crops." In F.J. Pierce and E.J. Sadler, eds., *The State of Site-Specific Management for Agriculture*. Madison, WI: Agronomy Society of America. Pages 369-396.
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## WORKING PAPERS

Lee, S.W., S.M. Swinton, and G. Bonito. 2023. "Break-even Yields for Cultivated Morel Mushrooms (*Morchella* spp.). (In prep. 6/23).

Loduca, N. and S.M. Swinton. 2023. "Farmers' Risk Preferences in General versus Contextual Lottery Experiments."

Van Deynze, B.S., S.M. Swinton, D.A. Hennessy, N.M. Haddad, and L.A. Ries. 2023. "Neonicotinoids, more than herbicides, land use, and climate drivers, drive recent butterfly declines in the American Midwest." Earlier version from July 2022, entitled "Adoption of modern pest control systems associated with declines in butterfly abundance across Midwestern monitoring network" available at: <https://biorxiv.org/cgi/content/short/2022.07.29.502042v1>

Lee, S.W. and S.M. Swinton. 2023. "Comparing Profitability of Variable Rate Nitrogen Prescription Methods."

Loduca, N. and S.M. Swinton. 2022. "Risk Preference and Subjective Probability Literature Underpinning Farmer Decisions on Climate Change Adaptation."

## BULLETINS AND MONOGRAPHS

1. Hennessy, D., C.Q. Lu, S. Swinton, and B. Van Deynze 2022. “The Tillage Input: Technical Change, Markets, and Policy.” *Agricultural Policy Review*, Iowa State University, pp. 14-17.
2. Iovanna, R., A. Ando, S. Swinton, J. Kagan, D. Hellerstein, D. Mushet, C. Otto. 2017. [Assessing Pollinator Habitat Services to Optimize Conservation Programs](#). Council on Food, Agricultural, and Resource Economics (C-FARE) Report No. 0114-301b. Washington, DC.
3. \*James, L.K., S.M. Swinton and D. Pennington. 2009. [Profitability of Converting to Biofuel Crops](#). Extension Bulletin E-3084, Michigan State University Extension, E. Lansing, MI.
4. Pitoro, R., T. Walker, D. Tschirley, S. Swinton, D. Boughton and H. De Marrule. 2009. [Prospects for Bt Cotton in Mozambique](#). Research Report No. 5E, Directorate of Training, Documentation and Technology Transfer, Institute of Agricultural Research of Mozambique (IIAM). Maputo.
5. \*Collins, S.L., S.M. Swinton et al. 2007. [Integrative Science for Society and Environment: A Strategic Research Initiative](#). LTER Network Office Publication #23. U.S. Long Term Ecological Research Network.
6. Subía, C., E. Peralta, E. Falconí, J. Pinzón, D. Mooney, and S. Swinton. 2007. *Diagnóstico sobre el cultivo de fréjol arbustivo y el uso de pesticidas en el sistema de producción, en los valles del Chota y Mira, Provincias Imbabura y Carchi, Ecuador, 2000-2005*. Publicación miscelánea No. 138. Programa Nacional de Leguminosas y Granos Andinos, Instituto Nacional Autónomo de Investigaciones Agropecuarias (INIAP), Quito, Ecuador.
7. Swinton, S. M. 2003. “Integrating Sustainability Indicators into the Economic Surplus Approach for NRM Impact Assessment.” In B. Shiferaw, and H. A. Freeman, eds. *Methods for Assessing the Impacts of Natural Resource Management Research*, Patancheru, India: International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), pp. 51-58.
8. \*Edson, C., S. Swinton, J. Nugent, G. Bird, A. Coombs, and D. Epstein 2003. *Cherry Orchard Floor Management: Opportunities to Improve Profit and Stewardship*. MSU Extension Bulletin E-2890. East Lansing, MI: Michigan State University.
9. \*Swinton, S.M. and E. Day 2003. “Economics in the Design, Assessment, Adoption, and Policy Analysis of Integrated Pest Management.” Chapter 12 in K. Barker, ed., *Integrated Pest Management: Current and Future Strategies*. Task Force Report No. 140. Ames, IA: Council for Agricultural Science and Technology. Pages 198-208.
- 10.\*Westra, P. and S.M. Swinton 2003. “New and Emerging Technologies.” Chapter 3 in K. Barker, ed., *Integrated Pest Management: Current and Future Strategies*. Task Force Report No. 140. Ames, IA: Council for Agricultural Science and Technology. Pages 82-91.
- 11.\*Landis, J.N., J.E. Sanchez, G.W. Bird, C.E. Edson, R. Isaacs, R.H. Lehnert, A.C. Schilder, and S.M. Swinton (eds.) 2002. *Fruit Crop Ecology and Management*. MSU Extension Bulletin E-2759. East Lansing, MI: Michigan State University.
12. \*Swinton, S., V. Bitsch, M. Worosz, C. Harris, J. Nugent, and L. Mawby 2002. “The Human Setting.” Chapter 3 in J.N. Landis et al., eds., *Fruit Crop Ecology and Management*, MSU Extension Bulletin E-2759. East Lansing, MI: Michigan State University. Pages 82-94.

13. \*Walker, T., S. Swinton, R. Hijmans, R. Quiroz, R. Valdivia, M. Holle, C. Leon-Velarde, and J. Posner 2000. "Technologies for Sustainable Development of the Tropical Andes." In J. Pender and P. Hazell, eds. *Promoting Sustainable Development in Less-Favored Areas*. **2020 Focus 4**. International Food Policy Research Institute, Washington, DC.
14. \*Swinton, S.M. and J. Lowenberg-DeBoer 1999. "Profitability of Site-Specific Farming." **Site-Specific Management Guideline SSMG-3**. Phosphate and Potash Institute.
15. \*Whalon, M.E., B.J. Jacobson, S.D. Rawlins, D. Ricks, and S.M. Swinton 1999. "Agricultural Impact of the Sudden Elimination of Key Pesticides under the Food Quality Protection Act." **CAST Issue Paper No. 11**. Council for Agricultural Science and Technology, Ames, IA. March 1999.
16. \*Van Ee, G., R. Ledebuhr, A. Jones, J. Flore, R. Perry, P. Schwallier, and S. Swinton 1998. "Improved Application Technology for High-density, Compact Fruit Crops." **Special Research Report 96**. Michigan Agricultural Experiment Station, E. Lansing, MI.
17. \*Pierce, F.J., D.D. Warncke and S.M. Swinton 1998. "Evaluation of Site-Specific Management Technology for Sustaining and Enhancing Michigan Agriculture." **Special Research Report 99**. Michigan Agricultural Experiment Station, E. Lansing, MI.
18. \*Swinton, S.M. and E. Scorsone 1997. "Short-term Costs and Returns to Michigan Apple, Blueberry, and Tart Cherry Enterprises with Reduced Pesticide Availability." **Research Report 551**. Michigan Agricultural Experiment Station, E. Lansing, MI.
19. \*Owens, N.N., S.M. Swinton, and E.O. van Ravenswaay 1997. "Farmer Demand for Safer Herbicides: Survey Methods and Descriptive Results." **Research Report 547**. Michigan Agricultural Experiment Station, E. Lansing, MI.
20. \*Swinton, S., J. Sterns, K. Renner, and J. Kells 1994. "Estimating Weed-Crop Interference Parameters for Weed Management Models." **Research Report 538**, Michigan Agricultural Experiment Station, E. Lansing, MI.
21. \*Landis, D. and S. Swinton 1994. "Corn Insect Management in Michigan: Results of a 1992 Field Corn Grower Survey." **Research Report 537**, Michigan Agricultural Experiment Station, E. Lansing, MI.
22. Engle, C.R.; U. Hatch; S. Swinton; and T. Thorpe 1989. "Marketing Alternatives for East Alabama Catfish Producers." **Alabama Agricultural Experiment Station Bulletin 596**, Auburn University, AL.
23. Swinton, S. 1983. "Peasant Farming Practices and Off-Farm Employment in Puebla, Mexico." **Cornell International Agriculture Mimeograph**, No. 99. Cornell University, Ithaca, NY.

#### INVITED SEMINAR PRESENTATIONS SINCE 2001

2021: U.S. Department of Agriculture: Office of Pesticide Management Programs

2018: Australasian Agricultural and Resource Economics Society

2017: Ohio State University, Dept. of Agricultural, Environmental, and Development Economics.

2017: Colby College, Dept. of Economics

2016: Purdue University, Dept of Agricultural Economics



2016: Iowa State University, Dept. of Economics  
 2015: National Academies of Science: Board on Agriculture and Natural Resources  
 2015: U.S. Department of Agriculture (USDA), National Institute for Food and Agriculture (Webinar)  
 2015: USDA Office of Environmental Markets *Economic Valuation of Conservation-based Ecosystem Services*  
 2014: University of Illinois, iSEE Congress on *Feeding 9 Billion: A Path to Sustainable Agriculture*.  
 2014: University of California at Berkeley. *Berkeley Bioeconomy Conference*.  
 2012: Virginia Tech University. Dept. of Agricultural and Applied Economics  
 2012: USDA National Institute for Food and Agriculture (Webinar)  
 2012: Hiram College. Center for Deciphering Life's Languages.  
 2012: Institute of Medicine (National Academies of Science). *Exploring the True Cost of Food: A Workshop*.  
 2012: University of California at Berkeley. *Berkeley Bioeconomy Conference*.  
 2011: Ohio State University. Dept. of Agricultural, Environmental and Development Economics.  
 2011: USDA Organic Farming Systems Research Conference  
 2011: Michigan Soil and Water Conservation Society.  
 2011: Bay College. *Agriculture for Tomorrow* workshop.  
 2010: Institute of Public Utilities. *From Coal to Clean: The Potential Role of Biomass in Utility Resource Portfolios*  
 2010: Hope College. Depts. of Biology and Management  
 2010: University of Wisconsin Bioenergy Institute. (Videoconference)  
 2010: American Forestry Foundation. *Ecosystem Markets: Making Them Work* Raleigh-Durham, NC.  
 2010-13: Universidad Nacional Autónoma de México - Morelia. (Videoconference talks in Spanish)  
 2010: USDA Economists Group. Washington, DC.  
 2010: National Science Foundation. Long-term Ecological Research Mini-symposium. Arlington, VA.  
 2010: University of Wisconsin. Wisconsin Grasslands Bioenergy Symposium.  
 2010: University of Wisconsin. Dept. of Forest Ecology.  
 2009: Iowa State University & MSU Extension. *Growing the Bioeconomy: Solutions for Sustainability*. (Webcast)  
 2009: State of Illinois. *Governor's Conference on the Management of the Illinois River System*.  
 2009: Universidad de Michoacán en Uruápan. *Simposio de Valuación Rural* (in Spanish).  
 2009: Northwestern University. Institute for Sustainable Practices Sustainability Seminar  
 2009: International Food Policy Research Institute (IFPRI).  
 2009: North Carolina State University. *Workshop on Genetic Manipulation of Pest Species*  
 2009: USDA Agricultural Outlook Forum.  
 2008: Ecology Society of America and Council on Food, Agricultural and Resource Economics (Webcast)  
 2008: University of Georgia. Webcast  
 2006: University of Guelph, Ontario Agricultural College.  
 2004: Western Michigan University. Dept of Economics  
 2001: Wageningen University, 2001.  
 2001: Institut National de Recherche Agronomique (INRA). Economic and Social Research, Montpellier (French)  
 2001: Universidad de Talca, 2001. College of Agriculture (in Spanish).

## PROFESSIONAL CONFERENCE ORAL PRESENTATIONS LAST SINCE 2015

**Professional conference oral presentations during 1985-2014 but not shown here: 161.**

Swinton, S.M. 2021. "Precision Conservation in Arable Crop Systems." Keynote presentation live, online at *Symposium on Agri-Tech Economics for Sustainable Futures*, hosted by Harper-Adams University, Newport, Shropshire, UK, September 21, 2021.

- Swinton, S.M. 2021. "Precision Conservation: Linking Set-aside and Working Lands Policy." Oral presentation at post-conference workshop on *Food for Thought: Economic Analysis in Anticipation of the Next Farm Bill* at the Agricultural and Applied Economics Association annual meeting, Austin, TX, August 4, 2021.
- Swinton, S.M., F. Dulys, and S.S.H. Klammer. 2021. "Why Biomass Residue Is Not as Plentiful as It Looks: Case Study on Economic Supply of Logging Residues." Oral presentation in ENV track session on *Biofuel Supply, Renewable Fuels Policy, and Agricultural Markets* at the Agricultural and Applied Economics Association annual meeting, Austin, TX, August 2, 2021.
- Swinton, S.M.. 2020 "Opportunity Cost of Bioenergy Feedstocks." Presentation at Organized Symposium on [\*Economic and Environmental Implications of Biofuels\*](#), Agricultural and Applied Economics Association virtual annual meeting, August 17, 2020.
- Ayesh, A. and S.M. Swinton. 2020. "Does a Lemon Technology for Pest Control Act as a Substitute for Insecticides?" Selected paper oral presentation at the Agricultural and Applied Economics Association virtual annual meeting, August 10-11, 2020.
- Luther, Z., S.M. Swinton, and B. Van Deynze 2019. "What Incentives Are Needed to Encourage Farmers to Plant Biodiversity-Promoting Prairie Strips?" Presentation at Energy and Environmental Economics Day, Michigan State University, East Lansing, MI, August 20, 2019. Also presented at 11<sup>th</sup> Heartland Environmental and Resource Economics workshop, University of Illinois, Sept. 28-29, 2019, and at 2<sup>nd</sup> Annual Sustainability and Development Conference, University of Michigan, Oct. 11-14, 2019.
- Swinton, S.M., F. Dulys, and S. Klammer. 2019. "Why Biomass Residue Is Not as Cheap as It Looks: Case Study on Economic Supply of Timber Residues." Presentation at Energy and Environmental Economics Day, Michigan State University, East Lansing, MI, August 20, 2019.
- Luther, Z., S.M. Swinton, and B. Van Deynze 2019. "What Drives Voluntary Adoption of Farming Practices that Can Abate Nutrient Pollution?" Selected paper oral presentation at the Agricultural and Applied Economics Association annual meeting, Atlanta, GA, July 21-23, 2019.
- Van Deynze, B., S.M. Swinton, and L. Ries 2019. "The Butterfly Effect: Do Farms Do Harm?" Selected paper oral presentation at the Agricultural and Applied Economics Association annual meeting, Atlanta, GA, July 21-23, 2019. Also presented at 11<sup>th</sup> Heartland Environmental and Resource Economics workshop, University of Illinois, Sept. 28-29, 2019.
- Swinton, S.M. 2019. "Inclusivity and the AAEEA." Panelist presentation at the International Consortium on Applied Bioeconomy Research 23<sup>rd</sup> annual conference, Ravello, Italy, June 4-7, 2019.
- Van Deynze, B., S.M. Swinton\*, and D.A. Hennessy 2019. "How Are U.S. Soybean Farmers Responding to Glyphosate-Resistant Weeds, and What Are the Environmental Consequences?" Oral presentation at preconference on *Alternative Governance Structures for Sustainable Use of Biotechnology*, International Consortium on Applied Bioeconomy Research 23<sup>rd</sup> annual conference, Ravello, Italy, June 4-7, 2019.
- Haddad\*, N. and S.M. Swinton\*. 2019. "Team Research on Prairie Strips in Crop Fields: The Ecological Benefits They Offer and Whether Farmers Would Want to Plant Them." Science of Team Science (SciTS) 2019 Conference, Lansing, MI, May 20-23, 2019.

Van Deynze, B., S.M. Swinton, and D.A. Hennessy 2018. "[Are Glyphosate-Resistant Weeds a Threat to Conservation Agriculture? Evidence from Tillage Practices in Soybean](#)." Selected paper presented at the Agricultural and Applied Economics Association annual meeting, Washington, DC, August 5-7, 2018.

Swinton, S.M. 2018. "Matching Analytic Methods to Compelling Arguments in Applied Economics." Invited presentation at the Australasian Agricultural and Resource Economics Society annual meeting, Adelaide, South Australia, Feb. 9, 2018.

Skevas, T., I. Skevas, and S.M. Swinton. 2017. "Does spatial dependence affect the decision to make land available for bioenergy crops?" Contributed paper. XV Congress of the European Association of Agricultural Economists, Parma, Italy, Aug. 29 – Sep. 1, 2017.

Van Deynze, B. and S. Swinton. 2017. "Information, Attitudes, and Values: Drivers of Stewardship Practice Adoption in the Eastern Corn Belt." Presentation at Energy and Environmental Economics Day, University of Michigan, Ann Arbor, MI, August 23, 2017.

Swinton, S.M. 2017. "Why Should I Believe Your Applied Economics?" Presidential address to the Agricultural and Applied Economics Association annual meeting, Chicago, IL, July 31, 2017.

Swinton, S.M., M. Khanna, and K.D. Messer. 2017. "A Bend in the River: New Directions for Water Quality Research." Presentation at the ENV Track Session on *Water Quality Degradation and Market-Based Solutions*, Agricultural and Applied Economics Association annual meeting, Chicago, IL, Aug. 1, 2017.

Swinton, S.M. 2017. "Writing Effectively and Efficiently." Presentation at the CWAE/COSBAE Track Session on *Strategies for Writing Productivity and Publishing Success*, Agricultural and Applied Economics Association annual meeting, Chicago, IL, July 31, 2017.

Dulys-Nusbaum, E., S. Klammer, and S.M. Swinton. 2016. "What Drives the Potential Supply of Timber Residues from Private Lands in the Northern Tier of the Great Lakes?" Selected paper. Agricultural and Applied Economics Association annual meeting, Boston, MA, July 31-Aug. 2, 2016. <http://purl.umn.edu/242363>.

Peralta, A. and S.M. Swinton. 2016. "Spatial Spillover effect in the Adoption of Conservation Agriculture in Nicaragua." Selected paper. Annual meeting of the Australian Agricultural and Resource Economics Society. Canberra, Australia, Feb. 1-5, 2016.

Garnache, C., S.M. Swinton, J. Herriges, F. Lupi, and J. Stevenson. 2016. "Solving the phosphorus pollution puzzle: Synthesis and directions for future research." Invited paper. Allied Social Sciences Associations: Agricultural and Applied Economics Association annual meeting, San Francisco, CA, Jan. 3-5, 2016. <http://purl.umn.edu/212841>.

Palm-Forster, L.H., S.M. Swinton, F. Lupi and R.S. Shupp. 2016. "Too Burdensome to Bid: Transaction Costs and Pay-for-Performance Conservation." Invited paper. Allied Social Sciences Associations: Agricultural and Applied Economics Association annual meeting, San Francisco, CA, Jan. 3-5, 2016. <http://purl.umn.edu/212816>.

Swinton, S.M. 2015. "Food-Energy-Water Nexus: Synthesis." Invited provocateur synthesis. International workshop on *Food, Energy, Water and Abundance: Improving Cross-Border Governance and Protection of the Great Waters of the World*, Michigan State University, East Lansing, MI. November 12, 2015.

Tanner, S. and S.M. Swinton. 2015. "Biomass Supply on Marginal Lands in Northern Michigan and Wisconsin." Presentation at MSU/UM/WMU Energy and Environmental Economics Day, University of Michigan, Ann Arbor, MI, Aug. 27, 2015.

Skevas, T., S.M. Swinton, S. Tanner, G. Sandford, and K. Thelen 2015. "Investment Risk in Bioenergy Crops." Selected paper. Agricultural and Applied Economics Association annual meeting, San Francisco, CA, July 26-28, 2015. <http://purl.umn.edu/205440>.

Swinton, S.M., A. Egbendewe-Mondzozo, S. Kang, M.W. Post, W. Thompson and J.C. Binfield 2015. "Integrating Biogeochemical and Price Forecasting Models to Predict Bioenergy Crop Supply and Environmental Impacts." *Innovations in Collaborative Modeling Conference*, Michigan State University, E. Lansing, MI, June 4, 2015.

Palm-Forster, L.H., S.M. Swinton, R.S. Shupp, F. Lupi, T. Redder and J. DePinto. 2015. "Linking Ecological and Economic Models that Support Conservation Auctions to Reduce Harmful Algal Blooms in Lake Erie." *Innovations in Collaborative Modeling Conference*, Michigan State University, E. Lansing, MI, June 4, 2015

## **POSTERS PRESENTED AT PROFESSIONAL CONFERENCES LAST 5 YEARS SINCE 2015**

**Professional conference poster presentations during 1985-2014 but not shown here: 45.**

Loduca, N. and S.M. Swinton. 2023. "[Farmers Display More Risk Aversion in the Context of Agricultural Climate Adaptation than in General Lottery Experiments.](#)" Agricultural and Applied Economics Association annual meeting, Washington, DC, July 23-25, 2023.

Loduca, N. and S. Swinton. 2021. "[What Factors Drive Whether and How Farmers Adapt to Climate Change?](#)" Poster presented at KBS-LTER All Scientists Meeting, Kellogg Biological Station, Hickory Corners, MI, Sept. 23, 2021.

Luther, Z., S.M. Swinton, and B. VanDeynze. 2019. "What Factors Drive Farmers to Voluntarily Adopt Practices that Reduce Nutrient Runoff?" Poster presented at 2019 Fate of the Earth Symposium, Environmental Science and Policy Program, Michigan State University, East Lansing, MI, April 13, 2019. (*Winner 1<sup>st</sup> Place Poster.*) Also presented at KBS-LTER All Scientists Meeting, Kellogg Biological Station, Hickory Corners, MI, Sept. 19, 2019.

Ferer, A., S.M. Swinton, and B. VanDeynze. 2018. "What Makes a Farmer Willing and Able to Adopt No-Till Farming?" Poster presentation at the 2018 University Undergraduate Research and Arts Forum (UURAF), Michigan State University, April 18, 2018.

VanDeynze, B. and S.M. Swinton. 2017. "How Corn Growers Choose Stewardship Practices: The Impact of Heterogeneity in Personal Goals." Poster presented at the KBS LTER All-Scientist Meeting, East Lansing, MI, October 6, 2017.

Klammer, S.S.H. and S.M. Swinton. 2017. "To Chip or Not to Chip? How Managerial Objectives and Costs Influence Timber Residue Supply" Poster presented at the IFAMA 2017 World Conference, International Food and Agribusiness Management Association, Miami, June 18-21, 2017.

Klammer, S.S.H. and S.M. Swinton. 2016. "To Chip or Not to Chip? How Large-scale Timberland Managers in Michigan's Upper Peninsula Decide on Bioenergy Supply" Poster presented at the KBS LTER All-Scientist Meeting, Hickory Corners, MI, September 15, 2016.

Swinton, S.M., and B. VanDeynze 2016. “Hoes to Herbicides: Economics of Evolving Weed Management in the United States” Selected poster. Agricultural and Applied Economics Association annual meeting, Boston, MA, July 31-Aug. 2, 2016. <http://purl.umn.edu/235804>.

Dulys-Nusbaum, E., S.M. Swinton, and S. Klammer. 2016. “What Drives the Potential Supply of Timber Residues from Private Lands in the Northern Tier of the Great Lakes?” Poster presented at Great Lakes Bioenergy Research Center all scientists meeting, Lake Geneva, WI, May 17-19, 2016.

VanDeynze, B., and S.M. Swinton. 2016. “Can Knowledge Become Power? Opportunities to Increase Land Supply for Bioenergy Crops.” Poster presented at Great Lakes Bioenergy Research Center all scientists meeting, Lake Geneva, WI, May 17-19, 2016.

Swinton, S.M., S. Tanner, B.L. Barham, D.F. Mooney, and T. Skevas. 2016. “How Willing Are Landowners to Supply Land for Bioenergy Crops in the Northern Great Lakes Region?” Poster presented at Great Lakes Bioenergy Research Center Sustainability retreat, Hickory Corners, MI, Feb. 8-10, 2016, and GLBRC all scientists meeting, Lake Geneva, WI, May 17-19, 2016.

Skevas, T., S.M. Swinton, S. Tanner, G. Sanford, K. Thelen, and S. Klammer. 2016. “Investment in Bioenergy Crops is Financially Risky.” Poster presented at Great Lakes Bioenergy Research Center Sustainability retreat, Hickory Corners, MI, Feb. 8-10, 2016, and GLBRC all scientists meeting, Lake Geneva, WI, May 17-19, 2016.

Tanner, S., S.M. Swinton, T. Skevas, B.L. Barham, and D.F. Mooney. 2015. “Landowner Willingness to Provide Land for Producing Corn and Switchgrass in the Northern Tier of Michigan and Wisconsin.” Poster presented at Great Lakes Bioenergy Research Center annual meeting, South Bend, IN, May 19-21, 2015.

Palm-Forster, L.H., S.M. Swinton, F. Lupi and R.S. Shupp, 2015. “What deters farmers from participating in conservation auctions?” Poster presentation. Farming for Ecosystem Services: New Directions for Long-term Ecological Research in Agriculture. KBS-LTER Symposium, Michigan State University. April 15-16, 2015.

Tanner, S., S.M. Swinton, T. Skevas, B.L. Barham, and D.F. Mooney. 2015. “Landowner Willingness to Provide Land for Producing Bioenergy Crops in the Northern Tier of Michigan and Wisconsin.” Poster presented at Great Lakes Bioenergy Research Center Sustainability retreat, Hickory Corners, MI, Feb. 9-11, 2015.

## **OTHER STAFF PAPERS, BRIEFING PAPERS & PUBLICATIONS LAST 5 YEARS (SINCE 2015)**

**Other staff papers, briefing papers and publications during 1985-2014: 32.**

Swinton, S.M. 2022. “[E. B. Hill and the Farm Management Roots of MSU Agricultural Economics](#).” Department of Agricultural, Food, and Resource Economics, Michigan State University, March 30, 2022.

Swinton, S.M. 2021. “[AAEA Fellow: Scott Swinton](#).” *American Journal of Agricultural Economics* 103(2): 401-402.

Van Deynze, B., Swinton, S.M., and D. Hennessy. 2019. “[Zombie Weeds Are Coming for America’s Fields](#).” *Michigan Farm News*, October 25, 2019.

Swinton, S., Z. Luther, and B. Van Deynze. 2019. “[Precision Agriculture Enters Main Stream](#).” *Michigan Farm News*, August 16, 2019.

Swinton, S.M. 2019. "[This is not the way to move USDA agencies out of Washington.](#)" Opinion column. *The Hill*, July 2, 2019.

Swinton, S.M. 2018. "[Eastern Corn Belt Farmers Using More Precision Technologies and Custom Hiring.](#)" *AFRE Voices*, Michigan State University, Sept. 20, 2018.

Swinton, S.M. 2018. "[Knowing the Value of America's Food](#)" (online headline) or "USDA Research Service Could Be Hampered" (print edition). Guest column, *Des Moines Register*, Aug. 28, 2018.

Swinton, S.M. 2018. "AAEA President's Column: AAEA over the Past Year." *The Exchange* 40(15). Newsletter of the Agricultural and Applied Economics Association. July 2018. <https://www.aaea.org/publications/the-exchange/newsletter-archives/volume-40---2018/july-2018-issue-15/presidents-column>

Swinton, S.M. 2018. "AAEA President's Column: Looking forward to Washington in August." *The Exchange* 40(10). Newsletter of the Agricultural and Applied Economics Association. May 2018. <https://www.aaea.org/publications/the-exchange/newsletter-archives/volume-40---2018/may-2018-issue-10/presidents-column>

Swinton, S.M. 2018. "AAEA President's Column: New AAEA Teaching Publication and Proposed Federal Cuts to Applied Econ." *The Exchange* 40(5). Newsletter of the Agricultural and Applied Economics Association. March 2018. <https://www.aaea.org/publications/the-exchange/newsletter-archives/volume-40---2018/march-2018-issue-5/presidents-column>

Swinton, S.M. 2018. "[Scott M. Swinton 2017-18 President.](#)" **American Journal of Agricultural Economics** 100(2):xx-xxii.

Swinton, S.M. 2018. "Forward." In K. Smith Evans, *The USDA's Economic Research Service: Specialized Agency Functions and Public Goods Provision*. Report to the Charles Valentine Riley Memorial Foundation, Madison, WI, February 2018.

Swinton, S.M. 2018. "AAEA President's Column: Relevance, Validity, and Analytical Fiddling." *The Exchange* 40(2). Newsletter of the Agricultural and Applied Economics Association. January 2018. <https://www.aaea.org/publications/the-exchange/newsletter-archives/volume-40---2018/january-2018-issue-2/presidents-column>

Swinton, S.M. 2017. "AAEA President's Column." *The Exchange* 39(23). Newsletter of the Agricultural and Applied Economics Association. November 2017. <http://www.aaea.org/publications/the-exchange/newsletter-archives/volume-39---2017/november-2017-issue-23/president-column---november-2017>

Swinton, S.M. 2017. "AAEA President's Column." *The Exchange* 39(18). Newsletter of the Agricultural and Applied Economics Association. August 2017. <http://www.aaea.org/publications/the-exchange/newsletter-archives/volume-39---2017/august-2017-issue-18/president-column>

Swinton, S.M. and S. Marquart-Pyatt. 2017. "Crop Management and Stewardship Practices Survey: Early Findings." Report to survey respondents. Michigan State University, East Lansing, MI. October 2017.

## OUTREACH/EXTENSION AND GOVERNMENT PRESENTATIONS

Swinton, S.M., 2022. “Phosphate Fertilizer: Effects of an Import Tariff and State of the Market.” Testimony to Michigan Senate Agriculture Committee on SB 193 (May 12, 2022) and to Michigan House Agriculture Committee on HB 205 (May 18, 2022).

Swinton, S.M., 2022. “Agricultural Labor Outlook.” Michigan Agri-Business Association (MABA) 2022 Winter Conference, Lansing, MI, Jan. 10, 2022.

## SELECTED MEDIA COVERAGE

Bowling, E. 2023. “[Michiganders Respond to Senator Stabenow’s Decision to Step Down.](#)” Television interview on WILX News 10, Jan. 5, 2023.

Heslip, N. 2022. “[The ag labor crisis likely to only get tougher.](#)” Interview text and audio with Swinton from MABA Winter Conference. *Brownfield Ag News*. Jan. 10, 2022.

“[Some willing to scale-up conservation practices—MSU studies finds 20% of corn, soybean farmers willing to consider.](#)” *Morning Ag Clips*, Jan. 4, 2022.

“[Herbicide-resistant weeds threaten conservation ag.](#)” *Morning Ag Clips*, June 18, 2021.

Press releases from MSU College of Agriculture and Natural Resources:

- Baziari, F. 2022. “[Scaling-up conservation practices: how much can farmers afford?](#)” Jan. 3, 2022.
- Monahan, J. 2021. “[Herbicide-resistant weeds threaten conservation ag.](#)” *Morning Ag Clips*, June 16, 2021.
- Monahan, J. 2019. “[University Distinguished Professor Scott Swinton Named an AAEA Fellow.](#)” Feb. 5, 2020.
- “[PBS Interviews Professor Scott Swinton on Becoming a University Distinguished Professor.](#)” Dec. 19, 2019.
- “[Swinton Reflects on AAEA Presidency, Building Community.](#)” Feb. 4, 2019.

Swinton, S.M. “Diagnosing the Enemy,” in [Invasion of the Superweeds](#), *New York Times* Room for Debate, May 6, 2010.

## SESSIONS ORGANIZED AT PROFESSIONAL CONFERENCES

Swinton, S.M. 2015. Organized Symposium on “Inducing Agricultural Conservation to Reduce Eutrophication and Hypoxia,” Agricultural and Applied Economics Association annual meeting, San Francisco, CA, July 28, 2015.

Swinton, S.M. 2013. Organized Symposium on “Working Ecosystems: Challenges for Economic Research,” Agricultural and Applied Economics Association annual meeting, Washington, DC, August 4-6, 2013.

**OTHER PRESENTATIONS TO SCHOLARLY AUDIENCES last 5 years (SINCE 2015)****Other scholarly presentations during 1985-2014 not shown here: 107 (10 in Spanish; 2 in French).**

Swinton, S.M. 2023. "Precision Agriculture: Reducing waste & boosting conservation." Rural Computing Research Symposium. Michigan State University. March 31, 2023.

Swinton, S.M. 2022. "Research Persuasion in Applied Economics." Three-part interactive seminar for graduate students with intensive reading & discussion. Oct. 21, Nov. 4, and Nov. 18, 2022.

Swinton, S.M. 2022. "Writing and presenting the 3<sup>rd</sup> Year Paper." MSU Agricultural, Food and Resource Economics. Brownbag seminar presentation. Sep. 13, 2022.

Swinton, S.M. 2021. "Poised to Re-Open: MSU Agricultural, Food, & Resource Economics as We Look Ahead." Department chairperson candidate seminar, June 3, 2021.

Lau, J. and S. Swinton. 2020. "Adaptation as a mechanism of resilience." KBS-LTER mid-term review. Online presentation, Sept. 9, 2020.

Luther, Z., S. Swinton, and B Van Deynze. 2020. "How Much Cropland Would Eastern Corn Belt Farmers Devote to Prairie Strips?" KBS-LTER mid-term review. Online presentation, Sept. 9, 2020.

Swinton, S.M. 2020. Panelist on "Evaluating Teaching: A Holistic Approach to Evaluating Scholarship of Teaching." TLC/CWAE Track Session, 2020 Virtual Annual Meeting of the Agricultural and Applied Economics Association, August 17, 2020.

Swinton, S.M. 2019. "Presentation/Discussion of 'Colony Collapse and the Consequences of Bee Disease: Market Adaptation to Environmental Change' by Rucker, Thurman, and Burgett, *JAERE* 2019." Environmental Economics Reading Group, Michigan State University, November 22, 2019.

Van Deynze, B. and S.M. Swinton. 2019. "Evolutionary Biology and No-Till Farming: How Herbicide Resistant Weeds Are Reversing the Adoption Trend Toward Conservation Tillage." Kellogg Biological Station weekly seminar, Michigan State University, Hickory Corners, MI, Aug. 30, 2019.

Swinton, S.M. 2019. Panelist on "Inclusiveness." Inter-agency Working Group on Biological Data Sharing Workshop, sponsored by U.S. Dept. of Energy and National Institute of Standards and Technology, Gaithersburg, MD, June 12-13, 2019.

Swinton, S.M. 2018. "Writing and presenting professionally." MSU Agricultural, Food and Resource Economics. Brownbag lunch panel presentation (with D. Ortega and S. Anderson). Mar. 13, 2018.

Swinton, S.M. 2017. "Economics of Payments for Agro-Ecosystem Services: What we know and what we need to learn." Keynote address to national workshop on *Scientific Challenges to Operationalizing Payments for Agro-Ecosystem Services (PAgES)*, Indianapolis, IN, Nov. 14-15, 2017.

Swinton, S.M. and S. Marquart-Pyatt. 2017. "Human Adaptation to Risk." Plenary presentation at the KBS LTER All-Scientists Meeting, East Lansing, MI, October 6, 2017.

Myers, R., D. Ortega, M. Porter, and S.M. Swinton 2017. Panel on Publishing and Co-authorship in Applied Economics. MSU Agricultural, Food and Resource Economics. Brownbag lunch seminar. Jan. 24, 2017.



- Swinton, S.M. 2016. "Limitations of conservation auctions for cost-effective payments to abate farm phosphorus runoff." MSU Agricultural, Food and Resource Economics. Brownbag lunch seminar. Nov. 1, 2016.
- Swinton, S.M. 2016. "Cost-effective Policy to Induce Farmers to Cut Phosphorus Runoff into Lake Erie." Plenary presentation at the KBS LTER All-Scientist Meeting & Field Tour, Hickory Corners, MI, September 15, 2016.
- Swinton, S.M. 2016. "Economic Prospects for Bioenergy Feedstocks on Marginal Lands in the Great Lakes Region." Invited presentation. Great Lakes Bioenergy Research Symposium, Lake Geneva, WI, May 19, 2016.
- Swinton, S.M. 2016. "Conveying Your Message in an Academic Presentation." MSU Agricultural, Food and Resource Economics. Brownbag lunch seminar. Feb. 16, 2016.
- Swinton, S.M. 2016, 2015, 2013, 2012, 2011. "Completing Your Advisory Committee and Course Program." MSU Agricultural, Food and Resource Economics. Lunch seminar. Jan. 29, 2016, Feb. 17, 2015, Oct. 22, 2013, Nov. 27, 2012, Nov. 30, 2011 and Jan. 25, 2011.
- Swinton, S.M. 2015. "Farmer Willingness to Adopt Sustainable Practices and the Economics of Supplying Ecosystem Services." Fall Field Tour for New Investigators, Kellogg Biological Station, Hickory Corners, MI, Sep. 25, 2015.
- Swinton, S.M. 2015. "Designing Experimental Auctions to Evaluate Incentives for Environmental Stewardship in Agricultural Landscapes," and "Graduate study in Agricultural, Food, & Resource Economics at Michigan State U." Presentations to students from Northwest Agricultural & Forestry University (Xi'an, China), MSU, East Lansing, MI, Aug. 3, 2015.
- Swinton, S.M. 2015. "A Framework for Assessing the Health, Environmental & Social Effects of the Food System." Healthy Kids, Healthy Michigan: Community Policy Action Team. Michigan Environmental Council, Lansing, MI, July 14, 2015.
- Stover, P. and S.M. Swinton. 2015. "A Framework for Assessing the Health, Environmental & Social Effects of the Food System." Co-organizers, Workshop #5 at EAT Stockholm Food Forum, Stockholm, Sweden, June 1-2, 2015. <http://www.eatforum.org/>
- Palm-Forster, L.H., S.M. Swinton, and R.S. Shupp. 2015. "Farmer Willingness to Engage in Transactions for Cost-effective Provision of Aquatic Ecosystem Services." Presented at *Sustaining Clean Waters and Healthy Flows in the Great Lakes: A Workshop of Experts, Partners and Leaders to Review and Improve a Watershed Sustainability Strategy*. Great Lakes Watershed Ecological Sustainability Strategy Review workshop, Michigan State University, April 30, 2015.
- Swinton, S.M. 2015. "Farmer Decisions that Shape Agro-Ecosystem Outcomes." Farming for Ecosystem Services: New Directions for Long-term Ecological Research in Agriculture. KBS-LTER Symposium, Michigan State University. April 16, 2015.
- Swinton, S.M. 2015. "A Framework for Assessing the Effects of the Food System—Overview from the New National Academies of Science Report." MSU Agricultural, Food and Resource Economics Brown-bag seminar & display. March 24, 2015.

Swinton, S.M., 2015. "Pesticide Use Decisions Based on Economic Thresholds." Pesticide and Pest Management Education workshop for delegation from Chinese Ministry of Agriculture, Michigan State University, East Lansing, MI, March 5, 2015.

## SOFTWARE AND WEB SITES DEVELOPED

Swinton, S.M., W. Zhang, C. Lanser, and D. Frommelt 2005, 2010, 2015, 2019, 2021. "[Economic Analysis of Sustainable Agriculture and Food Systems](#)." Web site introduces basic techniques that can be applied to analyze the economic viability of sustainable agricultural and food systems. Topics covered include: profitability using budgets, environment-profit trade-offs, environmental values, environmental indicators, markets, and business planning. Updated 2010 including new page on data sources (with Anne Weir). Updated 2015 to scalable format for mobile devices (with Sarah Klammer). Updated 2019 (with Alison Ferer).

Swinton, S.M. and C.A. Oriade 1995. "NEGBIN: A Program for Simulating Negative Binomial Variates." In C.A. Oriade, "A Bioeconomic Analysis of Site-Specific Management and Delayed Planting Strategies for Weed Control." Ph.D. dissertation, Department of Applied Economics, University of Minnesota, St. Paul, MN, October, 1995. Pages 132-136.

Wiles, L.J., Robert P. King, Scott M. Swinton, and Donald W. Lybecker, 1993. *General Weed Management Model Beta Test Version 1.0.* (A bioeconomic model for decision support of annual weed management in row crops.)

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**GRANTS AND AWARDS**

**External award total: \$124,842,000 of which Swinton directly managed \$4,511,000**

**MSU internal award total: \$560,000 of which Swinton led on all.**

U.S. Department of Agriculture, Economic Research Service. \$975,000 “Measuring the Dynamics of Minimum Required Cover Crop Incentive Payments,” co-PI with F. Lupi and M. Gammans. 09/21 – 9/24. (Cooperative agreement.)

U.S. Department of Agriculture, Natural Resource Conservation Service. \$2,571,064 (Swinton \$189,359) “Digital Agriculture to Enhance the Sustainability of US Cropping Systems,” co-PI with B. Basso, J. Andresen, N. Haddad, and D. Landis. 01/21 – 12/25.

U.S. Department of Agriculture, North-Central Sustainable Agricultural Research and Extension (NC-SARE), \$199,993 (Swinton \$27,000), “Cultivating a morel mushroom industry in the North Central United States,” co-PI with G. Bonito and D. Malone III. 11/19 – 10/22 (extended to 10/23).

National Science Foundation, \$4,508,000 (Swinton \$240,000) for “LTER: The Ecology of Row Crop Ecosystems and Landscapes at the KBS LTER Site,” co-PI with S.K. Hamilton, G.P. Robertson, S. Evans, N. Haddad, D.A. Landis, J. Lau, and S. Marquart-Pyatt. 12/18 - 11/22 (extended to 11/23).

National Science Foundation, \$2,254,000 (Swinton \$120,000) for “LTER: The Ecology of Row Crop Ecosystems and Landscapes at the KBS LTER Site,” co-PI with S.K. Hamilton, G.P. Robertson, S. Evans, D.A. Landis, J. Lau, and S. Marquart-Pyatt. 12/16 - 11/18.

U.S. Department of Energy, \$50,000,000 (MSU part of \$125m total) (Swinton ~\$750,000) for “Great Lakes Bioenergy Research Center,” co-PI with T. Donohue, K. Keegstra et al. in sustainability thrust with G.P. Robertson et al. 12/12 - 11/17.

The Nature Conservancy, \$298,182 (Swinton \$235,000) (subcontract under Great Lakes Protection Fund) for “Great Lakes Watershed Ecological Sustainability Strategy Phase II: Transactions for Agricultural Ecosystem Services,” lead PI with J. Kerr, R. Richardson, and R. Shupp. 3/12 – 6/15.

National Science Foundation, \$5,640,000 (Swinton \$477,000) for “The KBS-LTER Project: Long Term Ecological Research in Row-crop Agriculture,” co-PI with G.P. Robertson, K.L. Gross, S.K. Hamilton, D.A. Landis, T.M. Schmidt and S.S. Snapp. 12/10 - 12/16. (NB: Among many supplements to this award, Swinton part is \$0 unless otherwise indicated.)

U.S. Department of Agriculture, \$46,050 (Swinton \$0) for “Conserving Native Bees and Valuing their Services for Sustainable Specialty Crop Pollination,” co-PI with R. Isaacs, 4/10 - 4/11.

Catholic Relief Services (subcontract under H.G. Buffett Foundation), \$113,916 (Swinton \$113,916) for “Economic Impact Assessment Research for the HGBF-funded ‘Agriculture for Basic Needs’ Project,” lead PI, 10/09 - 8/12.

U.S. Department of Agriculture, \$1,049,674 (Swinton \$110,000) for “Practical Perennials: Partnering with farmers to develop a new type of wheat crop,” co-PI with S. Snapp. 10/09 to 9/13.

U.S. Department of Energy, \$50,000,000 (MSU part of \$125m total) (Swinton \$1,093,000) for “Great Lakes Bioenergy Research Center,” co-PI with T. Donohue, K. Keegstra et al. in sustainability thrust with G.P. Robertson et al. 10/07 - 9/12. (MSU \$50m, incl. Sustainability: Socioeconomics [Swinton lead PI] = ~\$1.8m)

Long-term Ecological Research Network, \$8,150 (Swinton \$8,150) for “Ecosystem Services from Working Lands: Cross-site LTER Research Planning,” lead PI. 1/07 to 8/07.

Michigan State University Vice President for Finance and Operations, \$398,574 for “Costs and Returns for Environmental Stewardship Team,” Co-PI with S. Joshi. 1/07 to 8/11.

Michigan State University Environmental Research Initiative, \$55,000 for “Ecosystem Services from Low-input Cropping Systems,” lead PI with F. Lupi and G.P. Robertson. 8/06 - 8/08.

National Science Foundation, \$399,999 (Swinton \$250,000 est.) for “Ecosystem Services from Low-input Cropping Systems: Incentives to Produce Them and Value of Consuming Them,” (NSF Human and Social Dynamics program) lead PI with F. Lupi and G.P. Robertson. 9/05 - 9/08.

National Science Foundation, \$4,920,000 (Swinton \$403,000) for “Long Term Ecological Research in Row-crop Agriculture,” co-PI with G.P. Robertson, S.H. Gage, K.L. Gross, S.K. Hamilton, D.A. Landis, and T.M. Schmidt. 12/04 - 12/10.

U.S. Department of Agriculture, \$1,505,050 (Swinton \$112,711) for “Soybean Aphid in the North Central U.S.: Implementing IPM at the Landscape Scale,” (USDA Risk Avoidance and Mitigation Program) co-PI with D. Landis, C. DiFonzo, M. Brewer. 9/04 - 9/09.

W. K. Kellogg Foundation, \$65,000 (Swinton \$0) for “Production and Food Systems Ecology at Michigan State University,” co-PI with M. Hamm and D. Buhler. 3/04 - 2/05.

Michigan Agricultural Experiment Station and Corn Marketing Program of Michigan, \$138,564 (Swinton \$0) for “Economic Assessment of Transgenic Herbicide and Insect Resistance Traits in Michigan Corn,” co-PI with J.J. Kells and C. DiFonzo. 7/04 - 6/07.

U.S. Agency for International Development, \$833,256 (Swinton \$416,628) for “Productivity, Sustainability and Marketing Assessment in Central America; Bean/Cowpea Collaborative Research Support Project (CRSP),” co-PI with R. Bernsten. 10/02 - 9/07. (Work in Honduras, Nicaragua and Ecuador.)

Michigan Department of Agriculture, \$20,000 (Swinton \$5,000 est.) for “Orchard Floor Management: Delivering Results and Enhancing Profitability,” lead PI with J. Nugent and D. Epstein. 6/02 - 5/03.

Corn Marketing Program of Michigan, \$21,875 (Swinton \$21,875) for “Profitability Analysis of Site-specific Corn Yield Response to Nitrogen,” lead PI. 8/01 - 8/02.

U.S. Department of Agriculture, SARE grant (via MAES), \$40,000 (Swinton \$20,000 est.) for “Quantifying benefits and costs of cover crops in irrigated vegetable and potato systems,” co-PI with S. Snapp. 1/02 - 12/03

U.S. Department of Agriculture, Economic Research Service, \$40,000 (Swinton \$40,000) for cooperative agreement on “Methodologies for Assessing the Impacts of IPM,” lead PI. 10/96 - 7/00.

Foundation for Agronomic Research Inc, \$45,000 (Swinton \$15,000 est) for “Comparative Analysis of Site Specific and Conventional Fertility Management for Soybean and Corn Growers,” co-PI with R. Brook and D. Warncke. 11/99 - 12/02.

Michigan Soybean Promotion Committee, \$21,789 (Swinton \$21,789) for “On-Farm Testing of WEEDSIM/GWM Weed Management Program,” lead PI with Karen Renner and James Kells. 4/96 - 3/98.

Michigan Soybean Promotion Committee, \$8,450 (Swinton \$0) for “Computer Program to Analyze Precision Agriculture Investment Decisions,” co-PI with Steven Harsh. 1/96 - 12/96.

U.S. Department of Agriculture, Economic Research Service, \$30,000 (Swinton \$15,000) for cooperative agreement on “Health Benefits to Farm Households of Adopting Pest Management Practices that Protect Groundwater,” co-PI with Eileen van Ravenswaay. 10/94 - 9/96.

Michigan Agricultural Experiment Station, \$74,200 for “Improved Fruit Practices: Economic impacts of reduced pesticide availability on Michigan apple, tart cherry, and blueberry production: Short-run and long-run analyses,” lead PI. 8/94 - 9/97.

U.S. Department of Agriculture, Sustainable Agriculture Research and Education Program, \$93,799 (Swinton \$31,000 est.) for “Improving Nitrogen Utilization with Rotation and Cover Crops,” co-PI with Richard Harwood, Ernesto Franco-Vizcaino, Richard Leep, Gerald Schwab, and John Knorek. 10/93 - 12/95.

U.S. Department of Agriculture, Cooperative State Research Service, \$71,472 (Swinton \$14,200) for “Decision Case Use in Agricultural Sciences: Researching, Teaching and Writing,” joint with Eunice Foster, Oran Hesterman, Andrew Skidmore, and Christopher Peterson. 10/93 - 9/95.

Michigan Agricultural Experiment Station, \$60,000 for “Economic Analysis of Linkages between Agriculture and the Environment,” co-PI with Steven Hanson, Robert Myers, and Eileen van Ravenswaay. 8/93 - 8/96.

Michigan Agricultural Experiment Station, \$150,000 for “Evaluation of Site Specific Crop Management Technology for Sustaining and Enhancing Michigan Agriculture,” co-PI with Francis Pierce and Darryl Warncke. 6/93 - 5/96.

Michigan Agricultural Experiment Station, \$200,000 for “Improved Application Technology for High Density Compact Fruit Crops,” co-PI with Gary van Ee, Richard Ledebuhr, Ronald Perry, James Flore, Philip Schwallier, Alan Jones, and James Johnson. 6/93 - 5/96.

Michigan Soybean Promotion Committee, \$21,789 (Swinton \$21,789) for “Field Evaluation of WEEDSIM Weed Management Model in a Corn-Soybean Rotation in Michigan,” co-PI with Karen Renner and James Kells. 4/93 - 3/96.

Michigan Department of Agriculture, \$6,000 (Swinton \$6,000), MSU Extension, \$3,000, and Michigan Agricultural Experiment Station, \$5,000 for “Corn Insect Management Survey,” co-PI with Douglas Landis. 6/92 - 5/93.

Michigan Soybean Promotion Committee, \$9,262 (Swinton \$9,262) for “Adaptation of WEEDSIM Weed Management Model to Michigan Conditions,” lead PI with Karen Renner and James Kells. 4/92 - 3/93.

Michigan Agricultural Experiment Station, \$9,000 for “Economic Evaluation of Investment in Water Table Management for Corn Growers in the Saginaw Bay Region of Michigan,” lead PI. 7/92 - 10/93.

Cornell Latin American Studies Program Scott Paper Award, \$1,700, and Cornell Center for International Studies, \$1,000 for “How Off-Farm Jobs Affect Peasant Maize Production in Puebla, Mexico,” lead PI. 6/81 - 11/81.

## **INTERNATIONAL CONSULTANCIES**

**Natural resource economist, Vrije Universiteit Amsterdam** team, Niger, January 2006.

Advised researchers on economic impact evaluation of natural resource management projects.

**Agricultural economist, Development Alternatives, Inc.** team, Ivory Coast, Senegal, Morocco, Tunisia, Niger. June to August, 1988.

Reviewed economic performance of 14 agricultural projects for the African Development Bank.

**Agricultural economist, Mississippi State University** team, Niger. October to November, 1986.

Reviewed seed multiplication component of USAID Agricultural Production Support Project.

**Agricultural statistician, Development Associates, Inc.**, Senegal. June to August, 1986.

Prepared statistics component of Agricultural Production Support Project design, USAID Senegal.

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**EDITORIAL SERVICE****Editorial service**

- Case Study Editor, *Review of Agricultural Economics* (2001-04)  
 Guest Editor, *Journal of Great Lakes Research*, “Sustainable Management of Great Lakes Watersheds Dominated by Agricultural Land Use” 42(6) (December 2016) (Co-editor with J.V. Depinto, J. Kerr, and S. Sowa)  
 Guest Editor, *Ecological Economics*, “Ecosystem Services and Agriculture” 64(2) (December 15, 2007) (Lead editor with S. Hamilton, F. Lupi and G.P. Robertson)  
 Guest Editor, *World Development*, “Poverty and Environment in Latin America” 31(11) (November 2003) (Lead editor with G. Escobar)  
 Associate Editor, *Frontiers in Ecology and the Environment* (2010-13)  
 Associate Editor, *American Journal of Agricultural Economics* (2006-09)  
 Associate Editor, *Precision Agriculture* (1997-2006)  
 Associate Editor, *Journal of Production Agriculture* (1995-99)

**Manuscript reviewer for:**

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|--|---|
| <i>Agricultural and Resource Economics Review</i>    | <i>Journal of Agribusiness</i>  |
| <i>Agricultural Economics</i>                        | <i>Journal of African Economies</i>                                   |
| <i>Agricultural Systems</i>                          | <i>Journal of Agricultural and Applied Economics</i>                  |
| <i>Agriculture and Human Values</i>                  | <i>Journal of Agricultural and Resource Economics</i>                 |
| <i>Agriculture, Ecosystems, &amp; Environment</i>    | <i>J. Agric., Biological and Environmental Statistics</i>             |
| <i>Agronomy Journal</i>                              | <i>Journal of Agricultural Economics</i>                              |
| <i>AMBIO</i>   | <i>J. Association of Environmental and Resource Economists</i>        |
| <i>American Journal of Agricultural Economics</i>    | <i>Journal of Crop Production</i>                                     |
| <i>American Journal of Alternative Agriculture</i>   | <i>J. Environmental Economics and Management</i>                      |
| <i>Applied Economic Perspectives and Policy</i>      | <i>Journal of Environmental Management</i>                            |
| <i>Applied Economics Teaching Resources</i>          | <i>Journal of Environment and Development</i>                         |
| <i>Applied Energy</i>                                | <i>Journal of Production Agriculture</i>                              |
| <i>BioEnergy Research</i>                            | <i>Journal of Soil and Water Conservation</i>                         |
| <i>Biofuels, Bioproducts and Biorefining</i>         | <i>Journal of Soil Contamination</i>                                  |
| <i>Canadian Journal of Agricultural Economics</i>    | <i>J. of the Association of Environmental and Resource Economists</i> |
| <i>Choices</i>                                       | <i>Journal of Vegetable Crop Production</i>                           |
| <i>Ciencia e Investigación Agraria</i>               | <i>Land Economics</i>   |
| <i>Conservation Biology</i>                          | <i>Landscape Ecology</i>  |
| <i>Contemporary Economic Policy</i>                  | <i>Native Plants Journal</i>  |
| <i>Crop Protection</i>                               | <i>National Research Council reports</i>                              |
| <i>Ecological Applications</i>                       | <i>Nature Climate Change</i>  |
| <i>Ecological Entomology</i>                         | <i>Nature Sustainability</i>  |
| <i>Ecological Economics</i>                          | <i>Pest Management Science</i>  |
| <i>Ecology and Society</i>                           | <i>PLOS ONE</i>   |
| <i>Economic Development and Cultural Change</i>      | <i>Precision Agriculture</i>  |
| <i>Environmental and Resource Economics</i>          | <i>PNAS: Proceedings National Academy of Science</i>                  |
| <i>Environmental Management</i>                      | <i>Resource and Energy Economics</i>                                  |
| <i>Environmental Research Letters</i>                | <i>Review of Agricultural Economics</i>                               |
| <i>Environment and Development Economics</i>         | <i>Review of Economics and Statistics</i>                             |
| <i>European Review of Agricultural Economics</i>     | <i>Society &amp; Natural Resources</i>                                |
| <i>Food Policy</i>                                   | <i>USDA Economic Research Service reports</i>                         |
| <i>Forest Policy and Economics</i>                   | <i>Water Resources Research</i>                                       |
| <i>Frontiers in Ecology and the Environment</i>      | <i>Weed Research</i>  |
| <i>Global Change Biology - Bioenergy</i>             | <i>Weed Science</i>   |
| <i>Human Ecology</i>                                 | <i>Weed Technology</i>  |
| <i>International Journal of Production Economics</i> | <i>Western Economics Forum</i>  |

**POSTDOCTORAL MENTORING**

Employer and mentor to three postdoctoral research associates.

Teodoros Skevas (2012-14).  
 Aklesso Egbendewe (2010-12).  
 Yong Jiang (2007-09).

**GRADUATE ADVISING*****Ph.D. students:***

Major advisor or dissertation supervisor to 2 current doctoral students and 15 completed Ph.D. degrees.  
 Advisory committee member for 9 other doctoral students at present and 34 other completed Ph.D. degrees.  
 Served as external Ph.D. examiner at University of Guelph (Canada, 1997), Wageningen University (Netherlands, 2001), and University of Western Australia (2011).

***M.S. students:***

Major advisor or thesis research supervisor for 20 completed M.S. degrees. Advisory committee member for 2 current M.S. students and 21 other completed M.S. degrees.

***Awards earned by my advisees:***

Outstanding Thesis, MSU Agricultural, Food, and Resource Economics Department:

Braeden Van Deynze, Ph.D. 2020.  
 Zachary Luther, M.S., 2020.  
 Elena Dulys-Nusbaum, M.S., 2017.  
 Shan Ma, Ph.D., 2011.  
 Feng Song, Ph.D., 2010.  
 Christina B. Jolejole, M.S., 2009.  
 Wei Zhang, Ph.D., 2007 (*AAEA Outstanding Ph.D. dissertation, Honorable Mention*).  
 Daniel F. Mooney, M.S., 2007 (*AAEA Outstanding M.S. thesis, Honorable Mention*).  
 Yanyan Liu, M.S., 2003.  
 Blessing M. Maumbe, Ph.D., 2001.  
 Mei-chin Chu, Ph.D., 1997.  
 Wayne S. Roberts, M.S., 1996.  
 P. Katherine Kampmann, M.S. 1993 (*AAEA Outstanding M.S. thesis, Honorable Mention*).

AAEA Sylvia Lane Mentor Fellowship winner, Leah Harris, 2013.

Kellogg Biological Station Long Term Ecological Research Summer Fellow, Braeden VanDeynze, 2018.

Kellogg Biological Station Long Term Ecological Research Doctoral Fellow:

Natalie Loduca, 2022  
 Leah H Palm-Forster, 2014-15.

MSU Glenn & Sandy Johnson Dissertation Enhancement Award:

Leah H. Palm-Forster, 2013.  
 Shan Ma, 2010.

National Academy of Science Christine Mirzayan Science and Technology Policy Graduate Fellow, Shan Ma, 2011.

AAEA Chester O. McCorkle Graduate Student Scholarship winner, Feng Song, 2009.



## THESES SUPERVISED

### *Ph.D. Dissertations*

Van Deynze, Braeden. “To Spray or Not to Spray: The Economics of Weed and Insect Management under Evolving Ecological Conditions.” Ph.D. Michigan State University, April 2020. (*Outstanding Ph.D. Dissertation of 2020 in Agricultural, Food and Resource Economics at Michigan State University.*)

Palm-Forster, Leah Harris. “Cost-effective Conservation Programs to Enhance Ecosystem Services in Agricultural Landscapes.” Ph.D. Michigan State University, December 2015.

Peralta, M. Alexandra. “Impact Evaluation of a Multi-Intervention Development Project: Effects on Adoption of Agricultural Technologies and Levels of Trust.” Ph.D. Michigan State University, February 2014.

Ma, Shan. “Supply and Demand for Ecosystem Services from Cropland in Michigan.” Ph.D. Michigan State University, December 2011. (*Outstanding Ph.D. Dissertation of 2011 in Agricultural, Food and Resource Economics at Michigan State University.*)

Song, Feng. “Essays on Land Use Decisions for Energy Crop Production and the Effects of Subsidies under Uncertainty and Costly Reversibility.” Ph.D. Michigan State University, October 2010. (Co-advised with Jinhua Zhao.) (*Outstanding Ph.D. Dissertation of 2010 in Agricultural, Food and Resource Economics at Michigan State University.*)

Zhang, Wei. “Optimal Pest Management in the Presence of Natural Pest Control Services.” Ph.D. Michigan State University, December 2007. (*Outstanding Ph.D. Dissertation of 2007 in Agricultural Economics at Michigan State and Outstanding Ph.D. Dissertation: Honorable Mention by American Agricultural Economics Association.*)

Mazhangara, Edward P. “The Economic Impact of Prime Age Adult Mortality on Malawian Agricultural Households in the Era of HIV/AIDS.” Ph.D. Michigan State University, August 2007.

Okello, Julius J. “Compliance with International Food Safety Standards: the Case of Green Bean Production in Kenyan Family Farms.” Ph.D. Michigan State University, December 2005.

Labarta-Chávarri, Ricardo A. “Essays on the Economic Evaluation of Integrated Pest Management Extension in Nicaragua.” Ph.D. Michigan State University, December 2005.

Maumbe, Blessing M. “Essays on the Economics of Cotton Production in Zimbabwe: Policy Implications for Technology Adoption, Farmer Health and Market Liberalization.” Ph.D. Michigan State University, June 2001. (*Outstanding Ph.D. Dissertation of 2001 in Agricultural Economics at Michigan State.*)

Gebremedhin, Berhanu. “The Economics of Soil Conservation Investments in the Tigray Region of Ethiopia.” Ph.D. Michigan State University, May 1998.

Chu, Mei-chin. “Designing Contracts to Reduce Non-point Source Pollution.” Ph.D. Michigan State University, August 1997. (*Outstanding Ph.D. Dissertation of 1997 in Agricultural Economics at Michigan State.*)

Owens, Nicole N. “Farmer Willingness to Pay for Herbicide Safety Characteristics.” Ph.D. Michigan State University, June 1997.

Ngwira, Naomi A. “The Role of Dimba Land and Small Scale Irrigation in Smallholder Farmers' Food Security in Malawi: An Application of Safety First Chance-Constrained Target MOTAD.” Ph.D., Michigan State University, November 1994.

***M.S. Theses and Plan B Papers***

Luther, Zachary R. “Farmer Willingness to Plant Prairie Strips into Crop Fields: Evidence from the Eastern Corn Belt.” M.S. Plan B Research Paper, Michigan State University, May 2020. (*Outstanding M.S. Thesis of 2020 in Agricultural, Food, and Resource Economics at Michigan State.*)

Klammer, Sarah S.H. “To Chip or Not to Chip: Timber Residue Supply in Michigan’s Upper Peninsula.” M.S. thesis, Michigan State University, October 2017.

Dulys-Nusbaum, Elena. “Timber Residue Supply for Bioenergy in the Northern Tier of the Great Lakes: Determinants and Availability.” M.S. thesis, Michigan State University, May 2017. (*Outstanding M.S. Thesis of 2017 in Agricultural, Food, and Resource Economics at Michigan State.*)

Hayden, Noel J. “Landowner Willingness to Supply Marginal Land for Bioenergy Production in Michigan.” M.S. thesis, Michigan State University, March 2014.

Richards, Peter D. “Exchange Rates and the Sourcing of Agricultural Production in an Age of Globalization.” M.S. Plan B Research Paper, Michigan State University, October 2012.

Peralta, María Alexandra. “Food vs. Wood: Dynamic Choices for Kenyan Smallholders.” M.S. Plan B Research Paper, Michigan State University, September 2012.

Weir, Anne. “Evaluating the Economic Feasibility of Environmentally Beneficial Agricultural Technologies Compared to Conventional Technologies.” M.S. Plan B Research Paper, Michigan State University, June 2012.

James, Laura K. “Theory and Identification of Marginal Land and Factors Determining Land Use Change.” M.S. Plan B Research Paper, Michigan State University, December 2010.

Ma, Shan. “Hedonic Valuation of Ecosystem Services Using Agricultural Land Prices.” M.S. Plan B Research Paper, Michigan State University, March 2010.

Jolejole, María Christina B. “Trade-offs, Incentives and the Supply of Ecosystem Services from Cropland.” M.S. thesis, Michigan State University, June 2009. (*Outstanding M.S. Thesis of 2009 in Agricultural, Food, and Resource Economics at Michigan State.*)

Mooney, Daniel F. “The Economic Impact of Disease-Resistant Bean Breeding Research in Northern Ecuador.” M.S. thesis, Michigan State University, December 2007. (*Outstanding M.S. Thesis of 2007 in Agricultural Economics at Michigan State and Outstanding M.S. Thesis: Honorable Mention by American Agricultural Economics Association.*)

Sanchez, Valeria. “The Determinants of Rural Non-Farm Employment and Incomes in Bolivia.” M.S. thesis, Michigan State University, November 2006.

Labarta-Chávarri, Ricardo A. “Charcoal Production and Agricultural Expansion into the Peruvian Amazon Rainforest: A Household Economic Analysis.” M.S. Plan B Research Paper, Michigan State University, December 2004.

Liu, Yanyan. “Profitability of Site-Specific Nitrogen Recommendations for Michigan Corn.” M.S. Plan B Research Paper, Michigan State University, July 2003. (*Outstanding M.S. Thesis of 2003 in Agricultural Economics at Michigan State.*)

Williams, Mollie B. "Methodology for an IPM Impact Assessment: Development and Application of a Protocol in Michigan Tart Cherries." M.S. Plan B Research Paper, Michigan State University, June 2000.

Martin, Christine A. "Supply Response in Argentina: Aggregate Planted Area in Crop Production." M.S. Plan B Research Paper, Michigan State University, December 1998.

Rozanski, Susan G. "Econometric Estimation of Tart Cherry Supply Response to Loss of Pesticide Alternatives." M.S. Plan B Paper, Michigan State University, May 1997.

Roberts, Wayne S. "Examining Trade-Offs between the Economics and Environmental Costs of Increased Cropping Diversity in Central Michigan." M.S. thesis, Michigan State University, August 1996. (*Outstanding M.S. Thesis of 1996 in Agricultural Economics at Michigan State.*)

Clark, David S. "Governmental Programs and Their Effect on the Adoption of Sustainable Agricultural Production Practices with Special Emphasis on Nitrogen Utilization." M.S. thesis, Michigan State University, December 1993.

Kampmann, P. Katherine. "Risk Analysis of Subirrigation Investment Decisions for Corn Production in the Saginaw Bay Area of Michigan." M.S. thesis, Michigan State University, February 1993. (*Outstanding M.S. Thesis of 1993 in Agricultural Economics at Michigan State and winner of "Honorable Mention" for Best M.S. Thesis by American Agricultural Economics Association.*)

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## SERVICE ON NATIONAL AND INTERNATIONAL COMMITTEES AND TASK FORCES

[National Academies of Sciences, Engineering, and Medicine](#) (NASEM) report-writing committees:

- An Assessment of Native Seed Needs and Capacities (2019-22).
- A Framework for Assessing the Health, Environmental, and Social Effects of the Food System (2013-15).
- The Status of Pollinators: Monitoring and Prevention of Their Decline (2005-06).

[AgEcon Search Advisory Board](#): Chairperson, 2020-24.

External review committees:

- University of Illinois 2022 (invited), Department of Agricultural and Consumer Economics.
- Oklahoma State University, 2017, Department of Agricultural Economics.
- USDA Economic Research Service, 2015. Climate, Resources, and Technology programs.
- Virginia Tech University, 2013. Department of Agricultural and Applied Economics.
- Wageningen University, Netherlands, 2009. Mansholt Graduate School of Social Sciences.
- International Potato Center (CIP), Lima, Peru, 1999. Natural Resources Management program.

External advisor:

- American Museum of Natural History. Network of Conservation Educators and Practitioners (2018).
- American Museum of Natural History. “[Our Global Kitchen: Food, Nature, Culture](#)” exhibition (2012).
- Canadian Pollination Research Network (Natural Sciences and Engineering Research Council of Canada [NSERC]). Science Advisory Committee (2009-11).
- University of Illinois. USDA NIFA Sustainable Agricultural Systems project on “Sustainably Colocating Agricultural and Photovoltaic Electricity Systems (SCAPES)” (2021-25).

NSF Long-term Ecological Research Network

Science Planning Conference Committee (2005-06).

Science Council (2006-08).

Council of Food, Agricultural and Resource Economics (C-FARE).

- Lead author, white paper on “Contributions of Economics to NIFA Priorities: Plant and Animal Systems” (2010).
- Member, Blue Ribbon Panel on Natural Resources and Environmental Issues (2011-14).

Committee for Agricultural Science and Technology (CAST) of the National Research Council Board on Agriculture:

- Member, advisory panel on impact of implementing the Food Quality Protection Act (1998-99).
- Member, task force on status of Integrated Pest Management (1999-2002).

U.S. Department of Agriculture

- Co-manager, NIFA grant review panel on Sustainable Agricultural Systems (2018-19).
  - Member, regional research committee NC-202 on “Biological and Ecological Basis for Weed Management Decision Support Systems to Reduce Herbicide Use in a Corn-Soybean Rotation.” (1992-2000).
  - Member, regional research committee NCR-180 on “Site Specific Management.” (1993-2002).
  - Member, regional research committee NCR-142 on “Economics of Biotechnology in Agriculture.” (1992).
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## PROFESSIONAL SOCIETY MEMBERSHIP AND SERVICE

[Agricultural and Applied Economics Association \(AAEA\)](#) (1986 - present).

President-Elect, President, Past President (elected), 2016-19.

Board of Directors, member (elected), 2012-15.

Selected Papers competition, topic leader 2003, reviewer 1995, 2001, 2004, 2007, 2008, 2009, 2015.

Bruce Gardner Prize for Applied Policy Analysis award subcommittee (2010-13).

Quality of Communications Award subcommittee (2003-05); chair (2005).

Quality of Teaching Awards subcommittee (1995-97).

[International Association of Agricultural Economists](#) (1988-91, 1995 - present).

U.S. Council of the IAAE member (elected by U.S. IAAE members), 2008-13.

Interim U.S. country representative, Berlin, Germany, 2000.

Contributed papers reviewer, 2006.

American Economic Association (1992 - present).

Association of Environmental and Resource Economists (2001, 2003-04, 2011-present).

American Association for the Advancement of Science (2006 - 07)

Latin American Association of Environmental and Resource Economists (ALEAR) (2003-04).

Northeastern Agricultural and Resource Economics Association (1994-95, 2006, 2011).

Soil and Water Conservation Society (1998-2002)

Western Agricultural Economics Association (1990-91).

West African Association of Agricultural Economists (1983-86).

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## SERVICE ON UNIVERSITY COMMITTEES

### *University*

MSU Environmental Stewardship Steering Committee (under Office of V.P. for Finance & Operations)

Co-leader, Costs & Returns for Environmental Stewardship Team (CREST) (2006-10).

Core faculty, African Studies Center (2001-present).

Core faculty, Center for Latin American and Caribbean Studies (2000-present).

Core faculty, Environmental Science and Policy program (2003-present).

Member, ESPP Communications advisory committee (2009-11).

MSU-Compton Peace Ph.D. Fellowship Award Committee (2001-07).

University Committee on Faculty Tenure (1992-94).

National Food Safety and Toxicology Center: Policy Section Planning Committee (1992-95).

Committee for C.S. Mott Predoctoral Fellowships in Sustainable Agriculture (1993-97).

### *College of Agricultural and Natural Resources and Michigan AgBioResearch*

College Reappointment, Tenure and Promotion Committee (2018-21).

College Advisory Council (2000-02), elections officer (2001-02).

College Graduate Committee (2002-05), *chair* (2003-04).

College Strategic Intent steering committee (2001-02).

Search committees:

Dean, College of Agriculture and Natural Resources, 2022

Science Coordinator, Long-term Ecological Research at Kellogg Biological Station, *co-chair* (2008-10)

Director, Kellogg Biological Station (2004-05).

C. S. Mott Chair in Sustainable Agriculture (2001-02).

Associate Dean, Academic and Student Affairs, College of Agricultural and Natural Resources (1993).

Agricultural Economics Dept. Chairperson Performance Review Committee, *chair* (1998)

Deer Damage Committee, Michigan Agricultural Experiment Station (1992-93).

Integrated Pest Management Task Force (1992-97).

***Department of Agricultural, Food, and Resource Economics***

Interim Director of Graduate Admissions (2020)

Department Advisory Committee (1996-98, 2004-06; 2010-11; 2019-20): *chair* (1997-98, 2005-06, 2019-20)

Reappointment, Tenure and Promotion Committee (2003-04, 2006-07, 2016-17, 2018-21); *chair* (2018-21).

Editor, *Advancing Economics, Transforming Lives* (MSU AFRE quarterly newsletter) (2011-16, 2021-23).

Faculty mentoring committees for F. Lupi, R. Horan, S. Thornsbury, Z. Guan, G. Pofahl, S. Jin, A. Dillon, S.

Liverpool-Tasic, D. Ortega, E. Nakasone, V. Caputo, M. McKendree, M. Olabisi, V. Thériault.

Graduate Policy Committee (1999-2004, 2007-09; 2011-16); *chair* (2000-02, 2003-04, 2007-09).

Graduate Admissions Committee (2003-04, 2011-16); *chair* (2011-16, 2020).

Graduate Student Orientation Committee (1992-94, 2011-16), *chair* (1993-94, 2011-16).

AFRE 75<sup>th</sup> Anniversary Task Force, *chair* (2023-24).

*Ad hoc* Graduate Committee for Strategic Plan (2016-17), *chair*.

Awards Committee (2016-17, 2020-21); *chair* (2016-17)

Ph.D. field examination committees:

Environmental and Resource Economics (2010, 2016), *chair* (spring 2010)

Finance and Production Economics (2002, 2005-present), *chair* (spring 2002, fall 2005, fall 2006, spring 2011).

Firm Management (1994-95), *chair* (1997).

General Agricultural Economics (1992, 1995-96, 2001).

Reference Services Committee (1993-96, 2002-03), *chair* (2002-03).

Search committees at Department level:

AFRE Department office coordinator (2022-23)

AFRE Department business manager (2022)

Farm Management/Production Economist, assistant professor (2019-20)

Communications Manager (2017, 2022)

Graduate program academic coordinator (2016)

AFRE Department Chairperson, *chair* (2014-15)

Energy Economist (joint with Economics), assistant professor (2007-08)

International Development Economist, assistant professor, *chair* (2006)

Retail Information Analyst, assistant professor (2005-06)

Finance Economist, assistant professor (2005-06)

Dairy Farm Management Economist, assistant professor (1994-95)

Seminar Committee (1991-92).