

Benjamin M. Gramig, Ph.D

Education

Michigan State University	Agricultural Economics	Ph.D.	2008
University of Kentucky	Agricultural Economics	M.S.	2004
University of Kentucky	Natural Resource Conservation & Mgmt.	B.S.	2000

Appointments

7/2026-present	Associate Professor, Charles H. Dyson School of Applied Economics & Management and College of Agricultural and Life Sciences, Cornell University
9/2021-8/2026	Research Agricultural Economist, Economic Research Service (ERS), USDA Acting Deputy Director of Research and Communication, Resource and Rural Economics Division, 7/2025-12/2025
9/2021-12/2025	Adjunct Professor, Dept. of Ag & Consumer Economics, Univ. of Illinois
8/2017-8/2021	Associate Professor, Dept. of Ag & Consumer Economics, Univ. of Illinois Director of Graduate Recruiting and Admissions, 2020-2021
9/2017-2021	Adjunct Professor, Dept. of Agricultural Economics, Purdue University
8/2013-8/2017	Associate Professor, Dept. of Agricultural Economics, Purdue University
8/2015-6/2016	Visiting Scholar, Applied Economics Department, Oregon State University
2/2008-7/2013	Assistant Professor, Dept. of Agricultural Economics, Purdue University
8/2004-1/2008	Grad Research Asst, Ag, Food and Resource Econ, Michigan State Univ
2/2004-8/2004	Research Associate (0.5FTE), Dept. of Ag Economics, Univ. of Kentucky
2/2004-9/2004	Consultant (0.5FTE), Ag Risk Mgt. Consulting, Inc., Lexington, KY
1/2002-2/2004	Graduate Research Assistant, Dept. of Ag Economics, Univ. of Kentucky
9/2001-12/01	Consultant, Agricultural Risk Mgt. Consulting, Inc., Lexington, KY
2/2001-9/2001	Deputy Director, Governor's Office of Ag. Policy, State of Kentucky
5/2000-1/2001	Research Specialist, Governor's Office of Ag. Policy, State of Kentucky

Awards and Honors

Individual+Group Performance Awards, ERS, 2026 (n=4), 2025(4), 2024(3), 2023(5), 2022(2)
Best Research Award for Impact & Quality, *Journal of Soil and Water Conservation*, 2020
Governor's Award for Environmental Excellence, Indiana Dept. of Environmental Mgmt., 2017
Partnership Award for Mission Integration of Research, Education and Extension, USDA-National Institute for Food and Agriculture, 2015
TEAM Award, College of Agriculture, Purdue University, 2015
Teaching for Tomorrow Award, Office of the Provost, Purdue University, 2012
Seed for Success (n=4), Excellence in Research Award, Purdue University, 2011-2014
Honorable Mention-Outstanding Ph.D. Dissertation Award, AAEEA, 2009
Best Dissertation Award, Dept of Ag, Food and Resource Econ, Michigan State University, 2008
Gamma Sigma Delta honorary, University of Kentucky, 2003

Professional Memberships and Service to the Profession

Agricultural and Applied Economics Association (AAEA), 2003-present

- Land, Water and Environment (ENV) section, 2013-present
 - Co-founder(2012), Chair-elect(2013-2014), Chair(2014-2015), Past Chair(2015-2016)
- Extension section, 2026-present

W-5133: Economic Valuation and Management of Natural Resources on Public and Private Lands, USDA-NIFA Multi-State Research Project, 2013-present

- Secretary W-3133 (2016), Vice President W-3133 (2017), President W-4133 (2018)
- Soil and Water Conservation Society (SWCS), 2017-2023

Publications (* denotes graduate student or postdoc co-author)

Refereed Journal Articles

- 1) AB Rosenberg, BM Gramig, PC Beeson, R Iovanna. "Additionality of Afforestation Incentives: Evidence from the Conservation Reserve Program." *Journal of Environmental Economics and Management* 139, 2026.
- 2) LS Asprooth, R Traldi, J Arbuckle, S Church, K Floress, BM Gramig, S Harden, AJ Margenot, A Thompson, A Torres, EM DeaKyne, LS Prokopy. "A framework for conceptualizing agricultural diversification with a focus on the U.S. Corn Belt." *Agricultural Systems* 238, 2026.
- 3) HC Hsieh and BM Gramig. "The Effect of the Conservation Stewardship Program on Ambient Water Quality in the Illinois River Basin". *Journal of Environmental Economics and Management* 138, 2026.
- 4) S Sun, BM Gramig, M Delgado. "Econometric evaluation of the impact of agricultural conservation on nonpoint source pollution: An application to the Wabash River watershed." *American Journal of Agricultural Economics*, 108(2):518-541. 2026.
- 5) S Oh* and BM Gramig. "Pay the Polluter or Polluter Pays? A Preliminary Assessment of Public Preferences for Water Quality Policy." *Ecological Economics*, 233, July 2025.
- 6) O. Wongpiyabovorn*, A Plastina, A Rosenberg, BM Gramig. "Interplay between Voluntary Private Carbon Initiatives and USDA Programs." *Journal of Soil and Water Conservation*, 80(2): 190-204, 2025.
- 7) LS Asprooth, J Arbuckle, R Traldi, S Church, K Floress, AJ Margenot, E Maynard, A Thompson, A Torres, E Usher-DeKeayne, F Woodings*, I Awashra*, K Pivaral*, BM Gramig, LS Prokopy. "To Diversify or Not to Diversify: A Preliminary Report on Farmers' Perspectives on Diversification in the U.S. Midwest." *Renewable Agriculture and Food Systems*, 40, 2025.
- 8) JW Burnett, C Sichko, BM Gramig, M Bowman and J O'Hara. "How could payments for U.S. climate-smart farming practices change the regional adoption of conservation practices?" *Environmental Research Communications* 6(12):1-21, 2024.
- 9) HC Hsieh* and BM Gramig. "Estimating the Impact of Cover Crop Adoption on Ambient Nitrogen Concentration in the Upper Mississippi River Drainage." *Applied Economic Perspectives and Policy*, 46(2): 609-626, 2024.
- 10) S Oh* and BM Gramig. "Valuing Ecosystem Services and Downstream Water Quality Improvement in the U.S. Corn Belt". *Environmental and Resource Economics*, 85:823–872, 2023.
- 11) S Li *, X Cai, S Niroula*, K Wallington*, BM Gramig, R Cusick, V Singh, G McIsaac, S Oh*, C Kurambhatti*, S Emaminejad*, S John. "Integrated agricultural practices and engineering technologies enhance synergies of food-energy-water systems in Corn Belt Watersheds." *Environmental Science & Technology* 57(25):9194–9203, 2023.
- 12) J Lu*, P Ranjan, J Arbuckle, SP Church, FR Eanes, K Floress, Y Gao, BM Gramig, AS Singh, and LS Prokopy. "A meta-analysis of agricultural conservation intentions, behaviors, and practices: Insights from 35 years of quantitative literature in the United States ." *Journal of Environmental Management* 323(1), 2022.
- 13) P Ranjan, J Arbuckle, SP Church, FR Eanes, K Floress, Y Gao, BM Gramig, AS Singh, and LS Prokopy. "Understanding the relationship between land tenure and conservation behavior: Recommendations for social science research," *Land Use Policy* 120, 2022.
- 14) K Baylis, J Coppess, BM Gramig and P Sachdeva*. "Agri-Environmental Programs in the United States and Canada." *Review of Environmental Economics and Policy* 16(1): 83-104, 2022.

- 15) SD Yun and BM Gramig. "Spatial Panel Models of Crop Yield Response to Weather: Econometric Specification and Performance Tests" *Journal of Agricultural and Applied Economics* 54(1):53-71, 2022.
- 16) B Chen*, BM Gramig and SD Yun. "Conservation Tillage Mitigates Drought Induced Soybean Yield Losses in the US Corn Belt." *Q Open* 1(1), 2021.
- 17) S Li*, X Cai, SA Emaminejad*, A Juneja*, S Niroula*, SJ Oh*, K Wallington*, RD Cusick, BM Gramig, S John, G McIsaac, V Singh. "Developing an Integrated Technology-Environment-Economics Model to Simulate Food-Energy-Water Systems in Corn Belt Watersheds." *Environmental Modelling & Software* 143, 2021.
- 18) JP Sesmero, NU Trull* and BM Gramig. "Cost-Competitiveness and Carbon Footprint of Dedicated Energy Crops for Cellulosic Biofuels: Insights from a Spatial Multi-feedstock Procurement Landscape Analysis." *Global Change Biology Bioenergy* 13(7):1054-1070, 2021.
- 19) LC Bowling, K Cherkauer, C Lee, J Beckerman, S Brouder, J Buzan, O Doering, J Dukes, P Ebner, J Frankenberger, BM Gramig, E Kladienko, J Volenec. "Agricultural Impacts of Climate Change in Indiana and Potential Adaptations." *Climatic Change*, 163(4): 2005-2027, 2020.
- 20) Y Wang, MS Delgado, JP Sesmero, BM Gramig. "Market Structure and the Effect of Ethanol Expansion on Land Allocation: A Spatially Explicit Analysis." *American Journal of Agricultural Economics* 102(5): 1598-1622, 2020.
- 21) LS Prokopy, BM Gramig, A Bower, SP Church, B Ellison, PW Gassman, K Genskow, D Gucker, SG Hallett, J Hill, N Hunt, KA Johnson, I Kaplan, JP Kelleher, H Kok, M Komp, P Lammers, S LaRose, M Liebman, A Margenot, D Mulla, MJ O'Donnell, AW Peimer, E Reaves, K Salazar, C Schelly, K Schilling, S Secchi, AD Spaulding, D Swenson, AW Thompson, JD Ulrich-Schad. "The urgency of transforming the Midwestern U.S. landscape into more than corn and soybean." *Agriculture and Human Values* 37(3):537-9, 2020.
- 22) J Bauchet, N Asquith, Z Ma, C Raudel, R Godoy, L Zanotti, D Steele*, BM Gramig, AE Chong*. "The practice of Payments for Ecosystem Services (PES) in the Tropical Andes: Evidence from program administrators." *Ecosystem Services* 45, 2020.
- 23) W Hodde*, JP Sesmero, BM Gramig, TJ Vyn, O Doering. "The effect of projected climate change on the economics of conservation tillage." *Agronomy Journal* 111(6):1-11, 2019.
- 24) M Khanna, BM Gramig, EH DeLucia, X Cai, P Kumar. "Harnessing the Potential of Emerging Technologies to Mitigate the Hypoxia Challenge." *Nature Sustainability* 2:889-891, 2019.
- 25) LS Prokopy, K Floress, JG Arbuckle, SP Church, F Eanes, Y Gao*, BM Gramig, P Ranjan, AS Singh. "Adoption of Agricultural Conservation Practices in the United States: Evidence from 35 Years of Quantitative Literature." *Journal of Soil and Water Conservation* 74(5):520-534, 2019.
- 26) A Margenot, D Kitt*, BM Gramig, T Berkshire*, N Chatterjee*, A Hertzberger*, S Aguiar*, A Furneaux*, N Sharma*, R Cusick. "Toward a regional phosphorus (re)cycle in the U.S. Midwest." *Journal of Environmental Quality*, 48(5):1397-1413, 2019.
- 27) SD Yun and BM Gramig. "Agro-Climatic Data by County: A Spatially and Temporally Consistent U.S. Dataset for Agricultural Yields, Weather and Soils." *Data* 4(2):66, 2019.
- 28) BM Gramig and NJO Widmar. "Farmer Preferences for Agricultural Soil Carbon Sequestration Schemes." *Applied Economic Perspectives and Policy* 40(3):502-521, 2018.
- 29) Y Liu*, MR Langemeier, IM Small, L Joseph, WE Fry, JB Ristaino, A Saville, BM Gramig, PV Preckel. "A Risk Analysis of Precision Agriculture Technology to Manage Tomato Late Blight." *Sustainability* 10(9), 3108, 2018.
- 30) ES Byrd*, NJO Widmar, BM Gramig. "Presentation Matters: Number of Attributes Presented Impacts Estimated Preferences." *Agribusiness: an International Journal* 34(2):377-389, 2018.

- 31) J Song*, BM Gramig, R Cibin, I Chaubey. "Integrated economic and environmental assessment of cellulosic biofuel production in an agricultural watershed" *BioEnergy Research* 10(2):509-524, 2017.
- 32) BM Gramig, R Massey and SD Yun. "Nitrogen Application Decision-making under Climate Risk in the U.S. Corn Belt." *Climate Risk Management* 15:82-89, 2017.
- 33) AS Mase*, BM Gramig, LS Prokopy. "Climate change beliefs, risk perceptions, and adaptation behavior among Midwestern U.S. crop farmers". *Climate Risk Management* 15:8-17, 2017.
- 34) Andrews*, AC, R Clawson, BM Gramig and L Raymond. "Finding the Right Value: Framing Effects on Domain Experts." *Political Psychology* 38(2): 261-278, 2017.
- 35) A Horowitz*, W Moomaw, D Liptzin, BM Gramig, CJ Reeling, J Meyer*, K Hurley*. "A multiple metrics approach to prioritizing strategies for measuring and managing reactive nitrogen in the San Joaquin Valley of California." *Environmental Research Letters* 11(6), 2016.
- 36) LS Prokopy, CE Hart, R Massey, M Widhalm, J. Klink, J Andresen, J Angel, T Blewett, OC Doering, R Elmore, BM Gramig, P. Guinan, BL Hall, A Jain, CL Knutson, MC Lemos, LW Morton, D Niyogi, R Power, MD Shulski, CX Song, ES Takle, D Today. "Using a team survey to improve team communication for enhanced delivery of agro-climate decision support tools." *Agricultural Systems*, 138: 31-37, 2015.
- 37) ES Takle, CJ Anderson, J Andresen, J Angel, R Elmore, P Guinan, BM Gramig, S Hilberg, D Kluck, R Massey, D Niyogi, J Schneider, MD Shulski, D Today, M Widhalm. "Climate Forecasts for Corn Producer Decision-Making." *Earth Interactions* 18(5):1-18, 2014.
- 38) Roucan-Kane*, M, BM Gramig, NJO Widmar, DL Ortega* and A Gray. "How Do Agribusiness Companies Select Their Innovation Projects?: A Choice Experiment Conducted with Agribusiness Executives." *International Food and Agribusiness Management Review* 16(4):123-140, 2013.
- 39) Andrews*, AC, R Clawson, BM Gramig and L Raymond. "Why Do Farmers Adopt Conservation Tillage? An Experimental Investigation of Framing Effects." *Journal of Soil and Water Conservation*. 68(6):501-511, 2013.
- 40) Gramig, BM, CJ Reeling*, C Raj and I Chaubey. "Environmental and economic tradeoffs in a watershed when using corn stover for bioenergy." *Environmental Science & Technology*. 47(4):1787-1791, 2013.
- 41) Sesmero, JP and BM Gramig. "Farmers' Supply Response, Price of Corn Residue, and Its Economic Viability as an Energy Feedstock." *Bioenergy Research*. 6(2):797-807, 2013.
- 42) Gramig, BM, JB Barnard*, LS Prokopy. "Farmer Beliefs about Climate Change and Mechanisms to Incentivize Soil Carbon Storage." *Climate Research*. 56(2):157-167, 2013.
- 43) Reimer*, A, BM Gramig and LS Prokopy. "Farmers and conservation programs: Explaining differences in Environmental Quality Incentives Program applications between states." *Journal of Soil and Water Conservation* 68(2): 110-119, 2013.
- 44) Gramig, BM. "Some Unaddressed Issues in Proposed Cap-and-Trade Legislation Involving Agricultural Soil Carbon Sequestration" *American Journal of Agricultural Economics* 94(2): 360-367, 2012.
- 45) Reeling*, CJ and BM Gramig. "A Novel Framework for Analysis of Cross-Media Environmental Effects from Agricultural Conservation Practices." *Agriculture, Ecosystems and Environment*, 146(12):44-51, 2012.
- 46) Gramig, BM and RD Horan, "Jointly-Determined Livestock Disease Dynamics and Decentralised Economic Behaviour." 2011. *Australian Journal of Agricultural and Resource Economics*, 55(3): 393-410, 2011.
- 47) Birch*, MBL, BM Gramig, W Moomaw, OC Doering, CJ Reeling*. "Why Metrics Matter: Evaluating Policy Choices for Reactive Nitrogen in the Chesapeake Bay Watershed".

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Environmental Science & Technology, 45(1): 168-174, 2011.

- 48) Horan, RD, EP Fenichel, CA Wolf, and BM Gramig, "Managing Infectious Animal Disease Systems", *Annual Review of Resource Economics*. 2(1): 101-124, 2010.
- 49) Gramig, BM, CA Wolf, and F Lupi. "Understanding Adoption of Livestock Health Management Practices: The Case of Bovine Leukosis Virus". *Canadian Journal of Agricultural Economics* 58(3): 343-360, 2010.
- 50) Gramig, BM, RD Horan and CA Wolf, and. "Livestock Disease Indemnity Design when Moral Hazard is Followed by Adverse Selection". *American Journal of Agricultural Economics* 91(3): 627-641, 2009.
- 51) Horan, RD, JF Shogren, and BM Gramig. "Wildlife Conservation Payments to Address Habitat Fragmentation and Disease Risks." *Environment and Development Economics* 13:415-439, 2008.
- 52) Gramig, BM and CA Wolf. "Estimating Within-Herd Preventive Spillovers in Livestock Disease Management." *American Journal of Agricultural Economics* 89(5):1219-1225, 2007.
- 53) Gramig, BM, J R Skees and JR Black. "Utilizing Contingent Claims to Improve CAFO Management." *Journal of Agricultural and Applied Economics* 36(2):297-312, 2004.

ERS Publications & Significant Staff Analyses

- 1) Bowman, M., Ferraro, P., Fuller, K. B., Gramig, B. M., Mosheim, R., Njuki, E., Pratt, B., Rejesus, R., & Rosenberg, A. B. (2025). *Economic outcomes of soil health and conservation practices on U.S. cropland* (Report No. ERR-353). U.S. Department of Agriculture, Economic Research Service. <https://doi.org/10.32747/2025.9227998.ers>
- 2) Brown, C. E., Tanner, S., Hrozencik, R. A., & Gramig, B. M. (2025). *The agricultural and economic value of water* (Report No. EIB-288). U.S. Department of Agriculture, Economic Research Service. <https://doi.org/10.32747/2025.9228003.ers>
- 3) M Bowman, K Fuller, BM Gramig, E Njuki, B Pratt, A Rosenberg & R Mosheim. "Economic Outcomes of Conservation and Soil Health Practices." *Memorandum to Congress* in response to FY2021 House Agricultural Appropriations bill directive, 2024.
- 4) B Pratt, BM Gramig, W Lazarus (Univ of Minnesota), A Conway-Anderson (Univ of Missouri). "Continuous Living Cover." *Memorandum to Congress* in response to FY2022 House Agricultural Appropriations bill directive, 2024.
- 5) A Rosenberg, BM Gramig, A Plastina (Iowa State Univ), O Wangpiyabovorn (Iowa State Univ). "Carbon Farming." *Memorandum to Congress* in response to FY2022 House Agricultural Appropriations bill directive, 2024.

Published Datasets

- 1) Floress, KM, Y Gao, BM Gramig, JG Arbuckle, SP Church, FR Eanes, P Ranjan, AS Singh, LS Prokopy. Meta-analytic data from agricultural conservation practice adoption research in the United States 1982-2018. Fort Collins, CO: Forest Service Research Data Archive. <https://doi.org/10.2737/RDS-2019-0011>
- 2) Yun, SD and BM Gramig. Agro-Climatic Data by County, 1981-2015. <http://dx.doi.org/10.4231/R72F7KK2>

Book Chapters

- S Wallander, D Szmurlo, BM Gramig. "Extreme soil moisture risk and subsurface drainage adoption: a structural Ricardian analysis." Handbook on Climate Change Impacts, Mitigation, and Adaptation in Agriculture, A. Dinar and R. Mendelsohn (eds.), Edward Elgar Publishing. 2026.

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- Doering, OC, BM Gramig and D Jeong*. "Economic and Policy Implications of Nitrogen Management." Soil Nitrogen Uses and Environmental Impacts, Advances in Soil Science: Soil Nitrogen volume, eds. R. Lal and B.A. Stewart. CRC Press, Taylor & Francis Group: 2018.
- Horan, RD, JF Shogren, and BM Gramig. "Wildlife Conservation Payments to Address Habitat Fragmentation and Disease Risks." Payment for Environmental Services in Agricultural Landscapes, Economic Policies and Poverty Reduction in Developing Countries Series, eds. L.M. Lipper, T. Sakuyama, R. Stringer, D. Zilberman. UN-FAO and Springer Press: 2008.
- Gramig, BM, BJ Barnett, JR Skees, and JR Black. "Incentive Compatibility in Risk Management of Contagious Livestock Diseases." The Economics of Livestock Disease Insurance: Concepts, Issues and International Case Studies, eds. S.R. Koontz, D.L. Hoag, D.D. Thilmany, J.W. Green and J.L. Grannis. CABI: 2006.

Proceedings Papers

- Gramig, BM. "Greenhouse Gas Emissions Offsets from Agriculture: Opportunities and Challenges." *Adapting Agriculture to Climate Change*, National Agricultural Biotechnology Council (NABC), 21st Annual Conference, University of Saskatchewan, Saskatoon, SK. June 24-26, 2009.
- Burns, RT, LB Moody, G Considine, BM Gramig, T Hebert, J Meeker, and A Stokes. "Developing a Risk Assessment Model for Livestock Waste Storage Facilities." Proceedings of the 98th Annual Air and Waste Management Association Conference. Minneapolis, MN: 2005.

Conference Selected Papers (not yet published)

- "Estimated Greenhouse Gas Abatement Costs and Mitigation from Working Lands Enrolled in USDA Conservation Programs." AERE @ AAEA annual meeting, New Orleans, LA. July 29, 2024.
- "Farm-level Crop Diversification in the DiverseCornBelt Study Area." 2023 Soil and Water Conservation Society annual meeting, Des Moines, IA. August 8, 2023.
- Gramig, BM and H Hsieh. "How has the Environmental Quality Incentives Program Impacted Water Quality?" Invited Paper Presentation, 2023 AAEA annual meeting, Washington, DC. July 24, 2023.
- "Nitrogen Management in Corn based on the 2021 ARMS." Presented to the Climate-Smart Technologies Workshop on Nutrient Management, USDA. March 21, 2023.
- Gramig, BM, KM Floress, LS Prokopy. "What Explains Different Findings About the Determinants of Agricultural Conservation Adoption? A Meta-Analysis," SWCS, Pittsburgh, PA. August, 2019.
- Gramig, BM, KM Floress, LS Prokopy. "What Explains Different Findings About the Determinants of Agricultural Conservation Adoption? A Meta-Analysis," AAEA, Atlanta, GA, July 2019.
- Gramig, BM and SD Yun. "Economic Management and Climatic Challenges Posed by Days Suitable for Field Work in the US Corn Belt." Agricultural and Applied Economics Association annual meeting, Atlanta, GA, July 2019.
- Sun, S, M Delgado and BM Gramig. "Cost-effectiveness of Nutrient Loss Reduction from Working Lands Agricultural Conservation Expenditures," 2018 AAEA, Washington, DC.
- Sun, S, BM Gramig, M Delgado and JP Sesmero. "Spatial spillovers and temporal dynamics: heterogeneous impacts of agricultural cropland allocation and crop rotation on water quality," 2017 Heartland Environmental and Resource Economics workshop, Urbana, IL.
- Gramig, B.M. and S.D. Yun. "Days Suitable for Field Work in the US Corn Belt: Climate, Soils and Spatial Heterogeneity," 2016 AAEA Annual Meeting in Boston, MA.
- Van Dop*, M. and B.M. Gramig. "Irrigation Adoption, Groundwater Demand and Policy in the

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- U.S. Corn Belt, 2040-2070,” 2016 AAEA Annual Meeting in Boston, MA.
- McCarty*, T, J.P. Sesmero and B.M. Gramig. “Contracting Arrangements for Perennial Energy Crops,” 2016 AAEA Annual Meeting in Boston, MA.
- Gramig, BM, EM Sajeev* and PV Preckel. “Farm-scale Integrated Assessment to Identify Profit-Maximizing Adaptations to Climate change in the Corn Belt.” Climate Change Symposium, American Society of Agricultural and Biological Engineers. Chicago, IL, May 4, 2015.
- Gramig, BM, EM Sajeev*, P Preckel, and O Doering. “Profit Maximizing Adaptations to Projected Climate Change in the US Corn Belt.” 2014 Agricultural and Applied Economics Association Annual Meeting in Minneapolis, MN.
- Yun*, SD and BM Gramig. “Dynamic Optimization of Ecosystem Services: A Comparative Analysis of Non-Spatial and Spatially-Explicit Models.” 2014 Agricultural and Applied Economics Association Annual Meeting in Minneapolis, MN.
- Andresen, J, AK Jain, DS Niyogi, G Alagaraswamy, L Biehl, P Delamater, O Doering, A Elias, R Elmore, B Gramig, C Hart, O Kellner*, X Liu*, EM Sajeev*, LS Prokopy, C Song, D Todey, M Widhalm. “Assessing the Impact of Climatic Variability and Change on Maize Production in the Midwestern USA.” 2013 American Geophysical Union meeting in San Francisco, CA.
- Yun*, SD and BM Gramig. “Spatially Explicit Dynamically Optimal Provision of Ecosystem Services: An Application to Biological Control of Soybean Aphid.” 2013 Agricultural and Applied Economics Association Annual Meeting in Washington, DC.
- Niemi, J and BM Gramig. “An agent-based model to optimize the mitigation of a contagious animal disease.” Selected Paper for the 13th International Symposium on Veterinary Epidemiology and Economics, Maastricht, The Netherlands. 2012.
- Sajeev*, EM, T Ji*, WE Tyner, and BM Gramig. "Economic Costs and Environmental Performance for Three Cellulosic Biofuel Pathways." Selected Paper for the 2012 Agricultural and Applied Economics Association Annual Meeting in Seattle, WA.
- Michler*, JD and BM Gramig. “A Dynamic Model of Street Food Vendor Location in Two-Dimensional Space.” Selected Paper for the 2012 Agricultural and Applied Economics Association Annual Meeting in Seattle, WA.
- Logsdon*, R, I Chaubey, and BM Gramig. “Development of A Methodology to Quantify Ecosystem Services using Landscape Models,” Soil and Water Conservation Society, Annual Meeting, 2010.

Symposia and Selected Posters (not yet published)

- He*, X., B.M. Gramig, M. Zischke, B. Dickinson, C. Roswell. “Least-cost Travel Cost Estimation Using a Multi-site User Intercept Survey of Southern Lake Michigan Anglers,” Selected poster, 2017 AAEA Annual Meeting, Chicago, IL
- Gramig, B.M. “Behavioral insights from qualitative and quantitative research on agricultural conservation adoption and stated preferences,” Land, Water & Environment (ENV) track session, 2017 AAEA Annual Meeting, Chicago, IL.
- McCarty*, T, JP Sesmero, BM Gramig. “Optimal contracting and the Economics of Perennial Energy Crops.” Selected poster, 2017 AAEA Annual Meeting, Chicago, IL
- Gramig, B.M. “Landscape-level Provision of Multiple Ecosystem Services” in *Working Ecosystems: Challenges for Economic Research*, Organized Symposium. 2013 Agricultural and Applied Economics Association Annual Meeting in Washington, DC.
- Gramig, B.M. “The Influence of Climate On Days Available for Field Work: Trends and Economic Implications, 1980-2010.” Presented in the session *U2U: Transforming Climate Information from Being 'useful' to 'usable' for Agricultural Applications* at the 2012 ASA-CSSA-SSSA tri-society annual meetings in Cincinnati, OH.

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Gramig, B.M. "Field work opportunities and economic consequences of historical climate trends in the Corn Belt," 1980-2010. Applied Risk Analysis and Extension sections (joint) Organized Symposium for the 2012 Agricultural and Applied Economics Association Annual Meeting in Seattle, WA.

Sessions Organized at Professional Meetings

with M. Interis (Miss. State University) "Climate Risk and Uncertainty." Land, Water and Environment (ENV) section Track Session, 2016 Agricultural and Applied Economics Association Annual Meeting in Boston, MA.

"Agricultural Conservation and Land Use Change: Experimental and econometric investigations of behavior and policy." Land, Water and Environment (ENV) section Track Session, 2015 Agricultural and Applied Economics Association Annual Meeting in San Francisco, CA.

"Climate Change Adaptation and Resilience." ENV section Track Session, 2014 Agricultural and Applied Economics Association Annual Meeting in Minneapolis, MN.

"Bioenergy Policy Amid Missing Markets, Changing Technology and Environmental Trade-offs." Land, Water and Environment (ENV) section Track Session, 2013 Agricultural and Applied Economics Association Annual Meeting in Washington, DC.

"Climate Change Policy Design." AAEA Principal Paper session at the 2011 Allied Social Science Association (ASSA) annual meeting in Denver, CO.

with S. Ott (USDA-APHIS). "Managing Risk Through Livestock Disease Policy." Organized Symposium for the 2010 Agricultural and Applied Economics Association Annual Meeting in Denver, CO.

with C.A. Wolf. "Economic Research Frontiers in Livestock Disease Risk." Applied Risk Analysis section Organized Symposium for the 2009 Agricultural and Applied Economics Association Annual Meeting in Milwaukee, WI.

Peer Review Service (incomplete)

Agricultural and Resource Economics Review, American Journal of Agricultural Economics, Australian Journal of Agricultural and Resource Economics, Bioenergy Research, BioScience, Choices, Climatic Change, Climate Risk Management, Ecological Economics, Ecosystem Services, Environmental and Resource Economics, Environmental Science & Technology, Environmental Research Letters, European Review of Agricultural Economics, Food Policy, Journal of Environmental Economics and Management, Journal of Environmental Quality, Journal of Great Lakes Research, Journal of Natural Resource Policy Research, Journal of Soil and Water Conservation, Land Use Policy, Nature Climate Change, Nature Communications, Resource and Energy Economics, Small Scale Forestry, Society and Natural Resources, Springer, Transactions of the American Society of Agricultural and Biological Engineers, Organization for Economic Cooperation and Development, United Nations Environment Program, USDA Economic Research Service, and US Environmental Protection Agency.

Graduate Student Mentorship (2008-2026)

	M.S.		Ph.D.		Cumulative Total
	Completed	In Progress	Completed	In Progress	
Major Professor	8	0	4	0	12
Committee Member	12	0	19	1	32
Post Docs					1

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Research Grants

Gramig has been co-Principal Investigator or Principal Investigator (\$732K of total) for \$21.99 million in *competitive* grants since February of 2008. Funding agencies that have supported Gramig's work (* *active* support) include:

National Science Foundation (NSF)	Packard Foundation
USDA Economic Research Service (ERS)	Illinois Corn Growers Association
USDA National Institute of Food and Agriculture (NIFA)*	Illinois Department of Agriculture
USDA Natural Resource Conservation Service (NRCS)	Indiana Corn Marketing Council (ICMC)
US Department of Energy	Agricultural Research at Purdue
US Environmental Protection Agency	Purdue Research Foundation
NOAA/Illinois-Indiana Sea Grant (IISG)	Purdue Center for the Environment (C4E)
	Purdue Climate Change Research Center
	Walton Family Foundation

Active Grants and Contracts Awarded

- 1) Co-PIs: LS Prokopy (PI: Purdue), additional investigators from Cons. Tech. Info. Center, Montana State U, Practical Farmers of Iowa, Purdue, US Forest Service, UIUC, UMN, Iowa State, U Iowa, U Wisc-Madison, U Wisc-Platteville, The Nature Conservancy. “#DiverseCornBelt: Resilient Intensification through Diversity in Midwestern Agriculture.” USDA-NIFA, Strengthening(formerly Sustainable) Ag Systems Program, \$10,000,000. 2021-2027. Project Number: IND90003152G2.

Public Engagement and Extension

Gramig is actively building an integrated Extension and Research program to support agriculture in New York State. Prior to joining the faculty at Cornell, Gramig never held a formal Extension appointment but consistently engaged with producers, agricultural organizations and private sector initiatives related to his research program and as part of integrated research-teaching-Extension grant projects. Gramig is a co-author of the agriculture chapters contained in the Illinois (2021) and Indiana (2018) state climate change impact assessment reports. While at UIUC Gramig worked with two different stakeholder groups in the state of Illinois to lead internet-based surveys to (i) support efforts to understand farmer experience with cover crops and the Illinois State Department of Agriculture's *Fall Savings for Spring Covers* crop insurance premium discount program and (ii) the Current/H2Now project in the Chicago River to implement real-time fecal coliform monitoring in the urban riverway.

Public Engagement Publications

Gramig, et al. “Climate Change Impacts on Agriculture,” Chapter 4 in *An Assessment of the Impacts of Climate Change in Illinois*, (eds.) D. Wuebbles, J Angel, K Peterson, MA Lemke. April 23, 2021. https://doi.org/10.13012/B2IDB-1260194_V1

Liu, M and B.M. Gramig. "Survey of Cover Crop, Conservation Tillage and Nutrient Management Practice Usage in Illinois and 2020 Fall Covers for Spring Savings Crop Insurance Discount Program Participation." Report to the Illinois Department of Agriculture and Fall Covers for Spring Savings working group. Center for the Economics of Sustainability, University of Illinois at Urbana-Champaign. 2021. https://doi.org/10.13012/B2IDB-5222984_V1

Coppess, J., B. Gramig, C. Zulauf, N. Paulson and G. Schnitkey. "Farm Bill Stalemate, Part 3: Conservation Concerns." *farmdoc daily* (8):192, Dept of ACE, UIUC, October 17, 2018.

- Coppess, J., C. Zulauf, G. Schnitkey, K. Swanson, N. Paulson and B. Gramig. "2018 Farm Bill Updated: Conference Negotiations Begin." *farmdoc daily* (8):148, Dept of ACE, UIUC, August 9, 2018.
- Coppess, J., C. Zulauf, B. Gramig, G. Schnitkey and N. Paulson. "Conferencing Conservation: Reviewing Title II of the House and Senate Farm Bills." *farmdoc daily* (8):133, Dept of ACE, UIUC, July 19, 2018.
- Bowling, L., Widhalm, M., Cherkauer, K., Beckerman, J., Brouder, S., Buzan, J., Doering, O., Dukes, J.S., Ebner, P., Frankenberger, J., Gramig, B., Kladivko, E., Lee, C., Volenec, J., and Weil, C.. *Indiana's Agriculture in a Changing Climate: A Report from the Indiana Climate Change Impacts Assessment*. Purdue Climate Change Research Center, Purdue University. West Lafayette, Indiana. 2018. <https://doi.org/10.5703/1288284316778>
- Gramig, B.M. "Greenhouse Gas Emissions Offsets from Agriculture: Opportunities and Challenges." *Purdue Agricultural Economics Report*, February 2010.

Public Engagement Presentations

- February 25, 2022. "Yield and cost impacts of soil health practice adoption in corn and soybean fields." USDA Agricultural Outlook Forum. [www]
- January 15, 2021. "Why Don't More Farmers Use Conservation Tillage?" Center for the Economics of Sustainability, UIUC. [www]
- February 13, 2019. "Economics of Water on Corn Belt Farms." North Central Region Water Network, *The Current* webinar #44. [www]
- March 23, 2018. "Environmental Economic Approaches to Soil Health as a Capital Stock." Soil Health on Rented Lands in Indiana: A Workshop for Agricultural, Conservation and Landowner Service Professionals to Explore Potential Solutions convened by The Nature Conservancy at the NCAA Hall of Champions, Indianapolis, IN,
- November 15, 2017. "What is a Day Spent Fishing on Southern Lake Michigan Worth to Anglers?" Lake Michigan Fisheries Workshop, Illinois-Indiana Sea Grant. City Hall, Michigan City, Indiana.
- November 4, 2017. "The Food-Energy-Water Nexus in and around the Sangamon River." Sangamon Watershed Celebration, Decatur, IL
- November 1, 2017. "What is a Day Spent Fishing on Southern Lake Michigan Worth to Anglers?" Lake Michigan Fisheries Workshop, Illinois-Indiana Sea Grant. Hammond Marina, Hammond, Indiana.
- November 2, 2016. "Web-based Decision Support Tools: SplitN and Irrigation Investment." Purdue Cooperative Extension Specialists Association, 2016 Professional Development Conference. West Lafayette, IN.
- September 21, 2016. Webinar: "Irrigation Investment Calculator." Video stream: <https://goo.gl/4DcW32>
- June 2, 2016. "Corn Split Nitrogen Application Decision Support Tool" and panel discussion. Roundtable involving extension educators, specialists, crop advisers and farmers from Illinois, Indiana, Iowa, Ohio and Michigan. Kellogg Biological Station, Michigan State University, MI.
- July 16, 2014. Purdue Top Farmer Conference. "Utilizing 'Big Data' to Evaluate Alternative Fertilizer Management" in session *How to Put Big Data to Work on Your Farm*. Beck Center, Purdue Agronomy Center for Research and Education, West Lafayette, Indiana.
- May 17, 2013. Indiana-Michigan Saint Joseph River Basin Symposium. "Managing Nitrogen for Profitability and Water Quality." Niles, Michigan.

February 15, 2011. Farmer Annual Meeting for on-farm Cooperators (EPA STAR/AFRI grant), *Ecosystem Services: Economics of Soil Carbon Sequestration and Crop Protection Services*. Morocco, Newton County, IN. 19 Participants.

August 2009. Purdue 2010 Agricultural Outlook,. *Ag Policy: ACRE, Indirect Land Use and Cap-and-Trade* (with Roman Keeney)

September 22, 2009. *Ask the Experts Panel* at the Farm Science Review on Climate Change policy with Ohio State University faculty Ian Sheldon, Tim Haab, and Brent Sohngen.

Gramig, B.M. “How to ‘Commoditize’ Soil Carbon: Market & Farm Mgt Considerations,” presented at the *Indiana Ag Energy and Climate Forum* organized by the Agricultural Carbon Market Working Group. Fair Oaks, Indiana. July 8, 2009.

Internet-based Decision Support Tools hosted by *Midwest Regional Climate Center*

Irrigation Investment Calculator: https://mygeohub.org/groups/u2u/purdue_irrigation/

Use: Input or county-specific defaults for corn and soybean yield, irrigation system size and cost information and crop production costs to evaluate Net Present Value of investment, compare yields and gross margins in dry versus wet years with and without irrigation, number of years investment would have covered its cost for period 1980-2005.

Audience: Farmers and farm advisors in the 12-state greater Corn Belt region, USA.

Role: Team Leader.

Corn Split Nitrogen Application Tool: https://mygeohub.org/groups/u2u/purdue_splitn

Use: Decision Support Tool to evaluate economics and risk of splitting Nitrogen fertilizer application for corn between pre-plant and post-plant applications to minimize environmental loss of N and increase N use efficiency. Allows users to customize yields and crop output prices, fertilizer costs and application rates, machinery size, and field work time given historical weather and crop growth for period 1981-2021.

Audience: Farmers and farm advisors in the 12-state greater Corn Belt region, USA.

- Version 1 (Illinois, Indiana, Iowa, Missouri and Kansas), 2014.
Role: Team member; days suitable for fieldwork Lead.
- Version 2.0, 2015. Updates: (1) Incorporated empirical yield penalties; (2) Expanded coverage (added ND, SD, NE, OH, MI, WI, MN) to entire 12 state Corn Belt region.
Role: Leader.

Engagement with Private Decision-Makers and Outreach to Public Agencies

Gramig, B.M. (Invited) “Nitrogen Fertilizer Management for Profitability and Water Quality,” Nutrient Sensor Technology Workshop, Whitehouse Office of Science and Technology Policy and Mississippi River Gulf of Mexico Watershed Nutrient Task Force. USDA-Beltsville, Maryland (remotely delivered). September 9, 2014

Fertilizer Industry-Land Grant University Working Group (convened by Monsanto). Planning committee for nutrient management symposium in the Mississippi River Basin. Partners: Illinois Fertilizer and Chemical Association, American Society of Agronomy, International Plant Nutrition Institute, Ag Retailers Association, National Corn Growers Association, CropLife USA, The Fertilizer Institute, Monsanto. 2014-2015.

Gramig, B.M. “Using Livestock Disease Indemnification Policy to Align Public and Private Incentives.” USDA-APHIS-Veterinary Services Livestock Indemnity-Compensation Symposium & Workshop, Fort Collins, CO. July 23, 2010.

Co-Organizer and Panel Moderator, *Purdue Climate Change Research Center, Emissions Trading Workshop*. Moderated panel entitled “Implementation, Enforcement, and Monitoring-Reporting-Verification (MRV) Issues” focused on agricultural soil carbon offsets. Involved in organization and panelist recruitment. Discovery Park, Purdue University, April 2010.

Current Service Activities

<i>Level or Role</i>	<i>Committee, Journal or Institution</i>	<i>Tenure</i>
Editorial Board Member	<i>Applied Economics Education & Extension (AEEE)</i> journal published by the Agricultural & Applied Economics Association (AAEA)	2026-present
External Advisory Board	“ Sustainable Aquaculture Production of High Omega-3-containing-fish using a Novel Feed Additive (hemp) ” project based at Central State University	2021-present
National	PFAS on Agricultural Land, Consensus Study Committee , National Academies of Science, Engineering and Medicine	2025-2026
National	Member, Federal Agency Coordinating Committee, Mississippi River/Gulf of Mexico Hypoxia Task Force [www]	2022-2026