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EDUCATION

- Ph.D. Economics, Iowa State University, 1997-2001
Karas Award for Outstanding Dissertation in the Behavioral Sciences at Iowa State University
- M.S. Economics, Iowa State University, 1996-1997
(Upgraded to the Ph.D. program without a degree)
- B.S. Economics and Management, China Agricultural University, 1995

RESEARCH INTERESTS

Environmental and Resource Economics, Agricultural Economics

PROFESSIONAL APPOINTMENTS

- 2015--present, Associate Professor, Dept. of Agricultural, Food & Resource Economics
Michigan State University
- 2013--2015, Adjunct Associate Professor, Department of Economics, Iowa State University.
- 2008--2013, Adjunct Assistant Professor, Department of Economics, Iowa State University.
- 2002--2008, Assistant and then Associate Scientist, Center for Agricultural and Rural Development, Iowa State University.
- 2001--2002, Post-Doctoral Research Associate, Center for Agricultural and Rural Development, Iowa State University
- March-April 2001, Consultant, Organization for Economic Co-operation and Development, Paris, France. (Conducted an in-depth review of the empirical work on the multi-functionality of agriculture in the United States.)

TEACHING AND ADVISING

- Natural Resource Economics (Michigan State University, EEP 460)
2017 (spring), 2018 (spring), 2019 (spring), 2019 (fall)
- Data Analysis for the Agri-Food System (Michigan State University, ABM/EEM/FIM 203)
2018 (summer, online), 2019 (summer)
- Decision Making in Ag-Food System (Michigan State University, ABM/FIM 100)
2017 (spring)
- The Economies of China and India (Iowa State University, Econ 387, co-teach)
2009 (fall), 2010 (fall) 2011 (fall), 2013(spring), 2014(spring), 2015(spring)
- Environmental and Resource Economics (Iowa State University, Econ/Env S 380)
2009 (spring), 2010 (spring) 2011 (spring, co-teach) 2012 (spring), 2013 (spring),
2014(spring), 2015(spring)
- Public Finance (Iowa State University, Econ 344)
2002 (spring), 2003 (spring), and 2006 (fall, co-teach), Iowa State University
- Advisor of undergraduate students 2008-2015.
- Advisor of the Chinese Students and Scholars Association at Iowa State University 2010-2015.

PhD advisees or co-advisees (Mary Doidge, completed in 2018 at MSU; Yuyuan Che, current at MSU; Yanan Jia; current at MSU)

MS advisees or co-advisees (Jiwoong Kim, completed in 2010 at Iowa State University, Xiaobo Xiong, completed in 2012 at Iowa State University, Xuche Gong, completed in 2019 at MSU)

AWARDS AND HONORS

The Best AJAE Article – Honorable Mention for 2017 (X. Du, H. Feng, D.A. Hennessy. 2016. “Crop Insurance Subsidies and the Choice of Insurance Coverage Levels.” *American Journal of Agricultural Economics*, Volume 99, Issue 3, 1 April 2017, Pages 732–756, <https://doi.org/10.1093/ajae/aaw035>)

(Co-advisor) *Award for Best Graduate Paper Competition of the Institutional and Behavioral Economics Section, AAEA 2018.* (Doidge, M., H. Feng, D.A. Hennessy. “Rationality of farmers’ weather predictions and insurance purchases: A test of the gambler’s and hot hand fallacies.”

Team Award, (team: Resource & Environmental Policy Division at CARD), 2008, College of Agricultural and Life Sciences, Iowa State University.

Second Place, poster presentation at the 2006 AAEA annual meetings in Long Beach. (with S. Secchi, M. Jha, L.A. Kurkalova, P.W. Gassman, and C.L. Kling)

Second Place, poster at the 2005 AAEA annual meetings in Providence, Rhode Island. (with S. Secchi, P.W. Gassman, M. Jha, L.A. Kurkalova, T. Campbell, and C.L. Kling)

Second Place, poster presentation at the 2004 AAEA Annual Meeting in Denver. (with C.L. Kling, L.A. Kurkalova, S. Secchi, P.W. Gassman, M. Jha, T. Campbell, A. Bhaskar, C. Burkart, S. Sengupta, and R. Olson)

Council of Economic Advisors for the Governor of Iowa, 2004, 2005

Study abroad: 1994, Tokyo University of Agriculture, Japan (for outstanding students)

Earl O. Heady Fellowship (1996), Iowa State University

Premium for Academic Excellence (PACE) Award (1996), Iowa State University

DuPont Scholarship (1994), China Agricultural University

Presidential Scholarship (1994), China Agricultural University

PUBLISHED JOURNAL ARTICLES

H. Feng, X. Du, D.A. Hennessy. “Depressed Demand for Crop Insurance Contracts, and a Rationale Based on Third Generation Prospect Theory.” Forthcoming, *Agricultural Economics*, 50th anniversary special issue.

Arora, G., H. Feng, C. Anderson, and D.A. Hennessy. “Evidence of climate change impacts on crop comparative advantage and land use.” 2019. Forthcoming, *Agricultural Economics*.

Che, Y., H. Feng, D.A. Hennessy. “Recent Events and Participation at the Extensive and Intensive Margins in U.S. Federal Crop Insurance Program.” 2019. Forthcoming. *The Geneva Papers on Risk and Insurance - Issues and Practice*. DOI: 10.1057/s41288-019-00147-5.

- Doidge, M.K., H. Feng, and D.A. Hennessy. “Rationality of weather predictions and insurance purchases: Testing the gambler’s and hot hand fallacies.” *Applied Economics*. 2019 Applied Economics 51 (32), 3498-3515, <https://doi.org/10.1080/00036846.2019.1581913>.
- Hennessy, D.A., and H. Feng. “America’s Dairy Industry Coping with Difficulties from Long-Running Structural Change” *Choices*, 33(4th Quarter 2018), 4 pages, available at <http://www.choicesmagazine.org/>.
- Feng, H., D.A. Hennessy, Yanan Jia, Melissa G.S. McKendree, and C. Wolf. “Dairy Sector Consolidation, Scale, Automation and Factor Biased Technical Change: Working through ‘Get Big or Get Out’.” *Choices*, 33(4th Quarter 2018), 8 pages, available at <http://www.choicesmagazine.org/>.
- Lu, C., Z. Yu, Hanqin Tian, D.A. Hennessy, H. Feng, M. Al-Kaisi, Y. Zhou, T. Sauer, and R. Arritt. “Increasing carbon footprint of grain crop production in the U.S. Western Corn Belt.” *Environmental Research Letters*, 13(12, 2018):1-10, <https://iopscience.iop.org/article/10.1088/1748-9326/aae9fe>.
- Du, X., D.A. Hennessy, H. Feng, G., Arora. 2018. “Land Resilience and Tail Dependence Among Crop Yield Distributions.” *American Journal of Agricultural Economics*. Volume 100, Issue 3, 1 April, Pages 809–828, <https://doi.org/10.1093/ajae/aax082>.
- Wang, T., M. Luri, L. Janssen, D.A. Hennessy, H. Feng, M.C. Wimberly, G. Arora. 2017. “Determinants of motives for land use decisions at the margins of the Corn Belt.” *Ecological Economics*. Volume 134, April, Pages 227–237. <http://dx.doi.org/10.1016/j.ecolecon.2016.12.006>.
- Wimberly, M., L. Janssen, D. Hennessy, M. Luri, N. Chowdhury, H. Feng. 2017. “Agricultural Land Use Change and Grassland Loss in the Eastern Dakotas: A Farm-Level Analysis.” *Land Use Policy*.” Volume 63, April, Pages 160-173. <http://dx.doi.org/10.1016/j.landusepol.2017.01.026>.
- X. Du, H. Feng, D.A. Hennessy. 2016. “Crop Insurance Subsidies and the Choice of Insurance Coverage Levels.” *American Journal of Agricultural Economics*, Volume 99, Issue 3, 1 April 2017, Pages 732–756, <https://doi.org/10.1093/ajae/aaw035> (*the Best AJAE Article – Honorable Mention for 2017*)
- Arora, G., P. Wolter, D.A. Hennessy, H. Feng. 2016. “Land Use Change and Policy in Iowa’s Loess Hills.” *Sustainable Agriculture Research*, Vol 5, NO 4, September. <http://dx.doi.org/10.5539/sar.v5n4p30>.
- Miao, R., H. Feng, D.A. Hennessy, and X. Du. 2016. “Assessing Cost-Effectiveness of the Conservation Reserve Program and its Interaction with Crop Insurance Subsidies.” *Land Economics*, 92(4): 593-617. doi: 10.3368/le.92.4.593. <http://le.uwpress.org/content/92/4/593.full.pdf+html>.

- R. Miao, D.A. Hennessy, H. Feng. 2016 “The Effects of Crop Insurance and Sodsaver on Land Use Change.” *Journal of Agricultural and Resource Economics*, 41(2):247–265.
<http://www.waeonline.org/UserFiles/file/JAREMay2016Miao247-265.pdf>
- R. Miao, D.A. Hennessy, H. Feng. “Sodbusting, Crop Insurance and Sunk Conversion Costs.” *Land Economics*. doi: 10.3368/le.90.4.601, November 1, 2014, vol. 90, no. 4: 601-622.
<http://le.uwpress.org/content/90/4/601.abstract>.
- X. Du, D.A. Hennessy, H. Feng. “A Natural Resource Theory of U.S. Crop Insurance Contract Choice.” *American Journal of Agricultural Economics*. first published online August 7, 2013 doi:10.1093/ajae/aat057.
<http://ajae.oxfordjournals.org/content/early/2013/08/07/ajae.aat057>.
- H. Feng, D.A. Hennessy, and R. Miao. 2013. “The Effects of Government Payments on Cropland Acreage, CRP Enrollment, and Grassland Conversion in the Dakotas.” *American Journal of Agricultural Economics*, 95(2):412-418, doi:10.1093/ajae/aas112.
<http://ajae.oxfordjournals.org/content/95/2/412.short>.
- H. Feng, O. Rubin, and B. Babcock. “Greenhouse Gas Impacts of Corn-based Ethanol: life cycle analysis versus system wide accounting.” *Biomass and Bioenergy*. Available online 6 March 2010, Doi:10.1016/j.biombioe.2010.01.037.
<http://www.sciencedirect.com/science/article/pii/S0961953410000516>.
- H. Feng and B. Babcock. “Impacts of Ethanol on Planted Acreage in Market Equilibrium.” *American Journal of Agricultural Economics*, 2010, 92(3): 789-802, published ahead of print April 8, 2010, doi:10.1093/ajae/aaq023.
<http://ajae.oxfordjournals.org/content/92/3/789.abstract>.
- S. Rabotyagov, T. Campbell, M. Jha, P.W. Gassman, J. Arnold, L. Kurkalova, S. Secchi, H. Feng, and C. Kling. “Searching for Efficiency: Least Cost Nonpoint Source Pollution Control with Multiple Pollutants, Practices, and Targets.” *Ecological Applications Journal*, Available online since May 2010, doi: 10.1890/08-0680.
<http://www.esajournals.org/doi/abs/10.1890/08-0680.1>.
- S. Rabotyagov and H. Feng. 2010. Does permit trading minimize cost under an average pollution target? *Environmental Economics*, 2010 1(1): 125-133.
http://businessperspectives.org/journals_free/ee/2010/ee_2010_01_Rabotyagov.pdf.
- H. Feng and C. Hart. “Willingness to Pay for Surplus Sugar under the U.S. Sugar-to-Ethanol Program.” *Contemporary Economic Policy*, Published online December 23 2009, DOI: 10.1111/j.1465-7287.2009.00189.x.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1465-7287.2009.00189.x/abstract>.
- H. Feng and D.A. Hennessy. “Production and Abatement Distortions under Noisy Green Taxes”, *Journal of Public Economic Theory*, 2009 (February), 11(1): 37-53.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1467-9779.2008.01405.x/abstract>.

- H. Feng, M. Jha, and P.W. Gassman. “The Allocation of Nutrient Load Reduction across a Watershed: Assessing Delivery Coefficients as an Implementation Tool.” *Review of Agricultural Economics*, 2009 (spring), 31(1): 183–204.
<http://aepp.oxfordjournals.org/content/31/1/183.abstract>.
- H. Feng and D.A. Hennessy. “Least-Cost Tradeable Risk Permit Scheme for Controlling Risk of Introducing Invasive Alien Species by Shipping Ecological Economics.” *Ecological Economics*, 2008, 68: 532-535.
<http://www.sciencedirect.com/science/article/pii/S0921800908002231>.
- D.A. Hennessy and H. Feng. “When Should Uncertain Nonpoint Emissions be Penalized in a Trading Program?” *American Journal of Agricultural Economics*, February 2008, 90 (1): 249-255.
http://www.jstor.org/stable/30139503?seq=1#page_scan_tab_contents.
- H. Feng. “Green Payments and Dual Policy Goals.” *Journal of Environmental Economics and Management*, November 2007, 54 (3): 323-335.
<http://www.sciencedirect.com/science/article/pii/S0095069607000654>.
- S. Secchi, M. Jha, L.A. Kurkalova, H. Feng, P.W. Gassman, and C.L. Kling. “Privatizing Ecosystem Services: Water Quality Effects From a Carbon Market.” *Choices*, 2nd Quarter 2007, 22(2): 97-101.
<http://www.choicesmagazine.org/2007-2/waterquality/2007-2-03.htm>.
- S. Secchi, P.W. Gassman, M. Jha, L.A. Kurkalova, H. Feng, T. Campbell, and C.L. Kling. “The Cost of Cleaner Water: Assessing Agricultural Pollution Reduction at the Watershed Scale.” *Journal of Soil and Water Conservation*, Volume 62, Number 1, 2007: 10-21.
<http://www.choicesmagazine.org/2007-2/waterquality/2007-2-03.htm>.
- H. Feng, L.A. Kurkalova, C.L. Kling, P.W. Gassman. “Transfers and Environmental Co-benefits of Carbon Sequestration in Agricultural Soils: Retiring Agricultural Land in the Upper Mississippi River Basin” *Climatic Change*, 80 (2007): 91–107.
<http://link.springer.com/article/10.1007%2Fs10584-006-9143-1>.
- H. Feng, L.A. Kurkalova, C.L. Kling, and P.W. Gassman. “The Tradeoff of Conservation on Working Land versus Land Retirement.” *Journal of Environmental Economics and Management*, 52 (2006) 600–614.
<http://www.sciencedirect.com/science/article/pii/S0095069606000453>.
- H. Feng, and J. Zhao. “Alternative Intertemporal Permit Trading Regimes with Stochastic Abatement Costs.” *Resource and Energy Economics*, Volume 28, Issue 1, January 2006: 24-40.
<http://www.sciencedirect.com/science/article/pii/S0928765505000242>.

H. Feng, and C.L. Kling. “The Consequences of Co-benefits for the Efficient Design of Carbon Sequestration Programs.” *Canadian Journal of Agricultural Economics*, Vol. 53, No. 4, December 2005: 461-476.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1744-7976.2005.00030.x/abstract>.

H. Feng, C.L. Kling, L.A. Kurkalova, S. Secchi, and P.W. Gassman. “Conservation Reserve Program in the Presence of Other Conservation Programs: Implications for Water Quality, Program Participation, and Income Transfer.” *American Journal of Agricultural Economics*, vol. 87, No. 5, December 2005: 1231-1238.

<http://ajae.oxfordjournals.org/content/87/5/1231.full>.

H. Feng. “The Dynamics of Carbon Sequestration and Alternative Carbon Accounting, with an Application to the Upper Mississippi River Basin.” *Ecological Economics*, vol. 54, No. 1, July 2005: 23-35.

<http://www.sciencedirect.com/science/article/pii/S0921800905000984>.

H. Feng, J. Zhao, and C.L. Kling. “The Time Path and Implementation of Carbon Sequestration.” *American Journal of Agricultural Economics*, vol. 84 No. 1, February 2002: 134-149.

<http://www.jstor.org/stable/pdf/1245029.pdf?acceptTC=true>.

H. Feng, C.L. Kling, and P.W. Gassman. “Carbon Sequestration, Co-Benefits, and Conservation Programs.” *Choices*, Third Quarter, 2004: 19-23.

<http://www.choicesmagazine.org/2004-3/climate/2004-3-09.htm>.

H. Feng, J. Zhao, and C.L. Kling. “Carbon—the Next Big Cash Crop?” *Choices*, Second Quarter, 2001: 16-19.

<http://ageconsearch.umn.edu/bitstream/131735/2/CarbonCashCrop.pdf>.

WORKING PAPERS UNDER REVIEW OR WITH A COMPLETED DRAFT

“Impacts of tillage practices on soil carbon stocks in the US corn-soybean cropping system during 1998 to 2016.” (With Y., Zhen, C. Lu, D.A. Hennessy, H. Tian, Revise and resubmitted to *Environmental Research Letters*.)

“Challenges for Rotational Grazing Practice: Views from Non-adopters across the Great Plains, USA.” (With T. Wang, Y. Che, D.A. Hennessy, U. Kreuter; R.R. Teague. (Revise and Resubmit invited by *Journal of Environmental Management*.)

“The role of economic returns in land use change: Evidence from farm-level data in the US Northern Great Plains” (with M. Doidge, D.A. Hennessy) (Under review at *Journal of Soil and Water Conservation*.)

“But if You Dream it, Will they Build Crop Infrastructure? Perceptions and Cheap Talk about Land Use.” (Under review at *Journal of Economic Behavior and Organization*.)

“Past and future weather: Farmers’ perceptions and their roles in land use decisions.” (With G. Arora, D.A. Hennessy) <https://ageconsearch.umn.edu/record/290768?ln=en>.

“Conservation Easement Allocations to Address Localized Spillovers in Grassland Conversion: A theoretical model with empirical evidence using remotely-sensed data.” (With G. Arora, D.A. Hennessy)

“Characterizing the Determinants of Seeding Rate Choices.” (with Y. Che, D.A. Hennessy) Agricultural and Applied Economics Association (AAEA), 2018 Annual Meeting, August 5-7, 2018, Washington, D.C. <http://ageconsearch.umn.edu/record/274335>.

“Systemic Risk, Geography and Area Insurance.” (With X. Gong, D.A. Hennessy) Agricultural and Applied Economics Association (AAEA), 2018 Annual Meeting, August 5-7, 2018, Washington, D.C. <http://ageconsearch.umn.edu/record/274479>.

“What Drives Dairy Farmer Antibiotic Treatment Decisions?” (With Y. Jia, and D.A. Hennessy) Agricultural and Applied Economics Association (AAEA), 2018 Annual Meeting, August 5-7, 2018, Washington, D.C. <http://ageconsearch.umn.edu/record/273809>.

“Farmers’ valuation of changes to crop insurance coverage level – a test of third generation prospect theory.” (With M. Doidge, and D.A. Hennessy). Agricultural and Applied Economics Association (AAEA), 2018 Annual Meeting, August 5-7, 2018, Washington, D.C. <http://ageconsearch.umn.edu/record/274478>.

“Role of regret in farmers’ land conversion choices: results from a dynamic economic experiment.” (with M. Doidge, D.A. Hennessy) Agricultural and Applied Economics Association (AAEA), 2018 Annual Meeting, August 5-7, 2018, Washington, D.C. <http://ageconsearch.umn.edu/record/274037>.

GRANT PROPOSALS PENDING OR FUNDED

“Towards Sustainable Agroecosystems Under Environmental Stressors: Assessment And Prediction With A Coupled Ecological-Economic Modeling Platform.” (Led by C. Lu with a multidisciplinary team, USDA National Institute of Food and Agriculture (NIFA). **Pending**. Submitted in August 2019.

“Center for Behavioral & Experimental Agri-Environmental and Risk Management Research (CBEAR).” (as a key investigator, Project co-Directors: Kent D. Messer & Paul J. Ferraro.) United States Department of Agriculture, 2019-2023.

“Saving grassland of the Great Plains: Is management intensive grazing (MIG) a socioeconomically viable option?” (Co-PI in a multi-institutional team led by Dr. Tong Wang) Proposal Number USDA-NIFA-AFRI-005843, \$500,000.

Professional Development Microgrant, College of Agriculture and Natural Resources, AgBioResearch, and Michigan State University Extension, spring 2016.

“Climate Change Adaptation in Grassland Agroecosystems.” (with D. Debinski, J. Miller, C. Anderson) Leopold Center for Sustainable Agriculture. 2016-2018. \$90,000.

“Exploring a New Paradigm for Understanding Farmers’ Crop Insurance Decisions: Integrating Economic, Psychological, and Farmer Perspective.” (With D.A. Hennessy, K. Blankenship, W. Edwards, and X. Du), National Institute of Food and Agriculture (NIFA), 2015-2016. \$100,000

“International Student Peer Mentoring” (with A. Brandau and E. Luvaga) Academic Advising Innovation Grant, Iowa State University. 2014

“Understanding dynamics of land use switching with satellite and field level data in context of climate variability.” (With C.J. Anderson, D.A. Hennessy, and P.T. Wolter). 2015-2017, \$300,000. From U.S. Department of the Interior, U.S. Geological Survey, DOI Climate Science Centers, and the National Climate Change and Wildlife Science Center.

“International Student Peer Mentoring” (with A. Brandau and E. Luvaga) Academic Advising Innovation Grant, Iowa State University. 2014

“Enhancing the learning experience of international students through peer interactions in small focus groups and special lectures.” (with A. Brandau and E. Luvaga) Academic Advising Innovation Grant, Iowa State University. 2013

Online Course Development Grant (with J. Bhattacharya), College of Liberal Arts and Sciences at Iowa State University. 2013.

“Adaptation of Agroecosystems to Climate Change at the Edge of the U.S. Cornbelt—Assessing Different Drivers in a Spatially Explicit Network of Infrastructure.” (Co-PI in a cross-institutional team) National Institute of Food and Agriculture (NIFA) competitive grant, 2013. \$550,000.

“Characterizing and Comprehending Land Use Change in the Loess Hills Region.” (With P. Wolter and D.A. Hennessy) Center for Agricultural and Rural Development, Iowa State University. 2013. \$25,000.

Foreign Travel Grant, Faculty Senate Committee on Recognition and Development, Iowa State University. 2013.

“Federal Insurance Payments and Land Conversion: Impacts Estimation and Alternative Policy Design.” (with David Hennessy) Ducks Unlimited, April 2010-December 2012. \$116,410.

- “Online Course Development Grant in the Humanities and Social Sciences.” (with Joydeep Bhattacharya) Center for Distance and Online Learning, College of Liberal Arts and Sciences, Iowa State University. 2009-2011. \$6,000.
- “An economic framework for assessing biofuels’ greenhouse gas impacts with land use changes.” (with B.A. Babcock). Proposal for Biobased Products Industry Grants Program, Iowa State University, April 2008. \$49,770.
- “Assessing environmental impacts of the bioeconomy expansion under climate change.” (with C.L. Kling, E. Tackle, P.W. Gassman), Institute of Science and Society, Iowa State University, October 2007, \$10,000.
- “Conservation Practices in Iowa: Historical Investments, Water Quality, and Gaps.” (with C.L. Kling and P.W. Gassman, and M. Jha), the Iowa Farm Bureau, the Iowa Corn Growers’ Association, the Iowa Soybean Association, and the Leopold Center for Sustainable Agriculture, February-December 2006, \$72,500.
- “Interactive Drivers of Land-Cover/Land Use Change in Agricultural Areas: Climate, Conservation Policy, and Land-Manager Choices” (with C.L. Kling, E. Tackle, P.W. Gassman, and S. Secchi), CSREES-USDA and NASA joint competition, February 2006-February 2008, \$475,000.
- “Assessing the Environmental Impacts of Alternative Conservation Policies in the Upper Mississippi River Basin.” (with C.L. Kling and P.W. Gassman), Institute of Science and Society, Iowa State University. October 2005-June 2006, \$9,500.
- “Water Resource Degradation in the Boone Watershed: Integrating Stakeholder knowledge and Preferences with Economic and Watershed Models.” (with C.L. Kling, P.W. Gassman, L.A. Kurkalova, S. Secchi, M.D. Duffy, and J. Cooper) Cooperative State Research, Education, and Extension Services, United States Department of Agriculture (CSREES-USDA), October 2005-September 2008, \$590,000.
- “The Costs of Adopting Conservation Practices on Agricultural Cropland in Iowa and Possible Nutrient Standards.” (with C.L. Kling, P.W. Gassman, L.A. Kurkalova, and S. Secchi), Iowa Department of Natural Resources, July 2004-April 2005, \$53,360.
- “Improving water quality in Iowa rivers: cost-benefit analysis of adopting new conservation.” (with C.L. Kling, L.A. Kurkalova, S. Secchi, and P.W. Gassman), 2005-2007. Iowa State Water Resources Research Institute. \$40,000.
- Professional Advancement Grant, 2000 and 2001, Iowa State University.
- International Funding for Graduate Studies & Post-docs, 1999, Iowa State University.

GRANT PROPOSALS UNFUNDED (SINCE 2017)

“Enhancing Agroecosystem Resilience in a Changing Climate: Coupling of Climate-Human-Ecosystem in the U.S. Western Corn Belt.” (Led by C. Lu with an multidisciplinary team, USDA Agriculture and Food Research Initiative, Resilient Agroecosystems in a Changing Climate Challenge Area, July 2017)

“Assessing Michigan’s Participation in Crop Insurance.” Michigan Applied Public Policy Research (MAPPR) Grant, June 2017.

“Why Michigan farmers appear to be getting proportionally small shares of federal conservation program payments?” Michigan Applied Public Policy Research (MAPPR) Grant, June 2017.

“Michigan Applied Public Policy Research Grant Proposal - Michigan Apples and Cherries Business Viability Project.” Michigan Applied Public Policy Research (MAPPR) Grant, June 2017.

“Food waste and conservation at MSU dining halls—the status and likely changes.” Round Four of the Knight Center Documentary Grant competition, December 2017.

OTHER PUBLICATIONS

Doidge, Mary, Hennessy*, D.A., and H. Feng. “Farmers’ Motivations for Land Conversion in the Prairie Pothole Region of North and South Dakota.” Pages 10-14 in (L. Knuffman, ed.) Proceedings of the 4th Biennial Conference on the Conservation of America’s Grasslands, Fort Worth, TX, Nov. 14-16, 2017. Published October 2018.

Wang, T.; A. Ayesh; D.A. Hennessy, H. Feng. “Cropland Reflux: Trends In and Locations of Land Use Change in the Dakotas, 2007 to 2012 and 2012 to 2017.” *iGrow publication* 07-7000-2018. South Dakota State University, Agricultural Experiment Station, Bulletin. <https://ageconsearch.umn.edu/record/274938>.

Hennessy, D.A., H. Feng, M. McKendree, and C. Wolf. “Are Michigan dairy farmers investing?” *Michigan Farm News* | August 15, 2018. <https://www.michfb.com/MI/FarmNews/Blogs.aspx?blogid=59207>.

Feng, H., D.A. Hennessy, M. McKendree, and C. Wolf. “Tough times for dairy, tougher in Michigan.” *Michigan Farm News* | June 15, 2018.

Feng, H., D.A. Hennessy, M. McKendree, and C. Wolf. “What do dairy farmers want from the next farm bill?” July 2018 issue of *Hoard’s Dairyman*.

T. Wang, H. Feng, and D.A. Hennessy. “Factors Affecting Wheat Production Decisions: Producer survey findings.” SDSU extension, *iGrow article*, 1/29/2018 <http://igrow.org/agronomy/wheat/factors-affecting-wheat-production-decisions-producer-survey-findings/>.

T. Wang, et al. “Survey Looks at Changes in Land-Use.” SDSU extension, *iGrow article*, 03/02/2018

- Doidge, M., D. Hennessy, and H. Feng. 2017. "Farmers' Motivations for Land Conversion in the Prairie Pothole Region of North and South Dakota." Proceedings of the 4th biennial America's Grassland Conference, November 14-16, in Fort Worth, Texas.
- Doidge, M., H. Feng, D. A. Hennessy, J. R. Black, and W. M. Edwards. Crop insurance: What's your motivation? Michigan Farm News, August 28, 2017.
<https://www.michfb.com/MI/Farm-News/Crop-insurance-Whats-your-motivation/>
- Miao, R., H. Feng, D. Hennessy. 2017. "How much can the Sodsaver Provision in the 2014 Farm Bill save sod? It depends on crop prices." January 19. *Policy Matters*.
<http://policymatters.illinois.edu/how-much-can-the-sodsaver-provision-in-the-2014-farm-bill-save-sod-it-depends-on-crop-prices/>.
- Hennessy, D.A., Feng, H., Wimberly, M., Wang, T., Akyüz, A., Wolter, P., and L. Janssen. "The Farmer and the Rancher." An explanation of motivation for research program on land use change in the Northern Great Plains. Issue #117, August 2017, prepared by Scientia Global,
<http://www.scientia.global/dr-david-hennessy-farmer-rancher/>
- Miao, R., H. Feng, D. Hennessy, and X. Du. 2016. "Linkage between Federal Crop Insurance Program and the Conservation Reserve Program: Implications for Budgetary Outlays and Environmental Efficiency." November 14, *Policy Matters*.
<http://policymatters.illinois.edu/linkage-between-federal-crop-insurance-program-and-the-conservation-reserve-program-implications-for-budgetary-outlays-and-environmental-efficiency/>.
- Wang, T., M. Doidge, H. Feng, D.A. Hennessy. 2016. "Rotational Grazing and Land Conversion in South Dakota." South Dakota State University Extension, iGrow article.
<https://igrow.org/livestock/land-water-wildlife/rotational-grazing-and-land-conversion-in-south-dakota/>.
- Arora, G., P.T. Wolter, D.A. Hennessy, and H. Feng. 2016. "Role of Ethanol Plants in Dakotas Land Use Change: Incorporating Flexible Trends in the Difference-in-Difference Framework with Remotely-Sensed Data." Working Paper 16-WP 564, March, Center for Agricultural and Rural Development, Iowa State University.
- Janssen, L; M. Luri, Md. Chowdhury, H. Feng & D. Hennessy. 2015. Farmland Use Decisions in the Dakota's: Key Results from the 2015 Producer Survey. Economics Commentator No. 557. Economics Dept. South Dakota State University. November 20.
- Arora, Gaurav, Wolter, Peter T., Feng, H., and D.A. Hennessy. "Characterizing Dakotas' Land Use Changes using Historical Satellite Sensor Data: 1984-2014." Pages 9-11 in (L. Knuffman, ed.) Proceedings of the 3rd Biennial Conference on the Conservation of America's Grasslands, Fort Collins, CO, Sept. 29-Oct. 1, 2015. Published July 2016.

- Arora, Gaurav, Wolter, Peter T., Hennessy, D.A., and Hongli Feng. "Role of ethanol plants in Dakotas' land use change: Analysis using remotely sensed data." Pages 111-113 in (L. Knuffman, ed.) Proceedings of the 3rd Biennial Conference on the Conservation of America's Grasslands, Fort Collins, CO, Sept. 29-Oct. 1, 2015. Published July 2016.
- Janssen, Larry, Luri, Moses, Chowdhury, Niaz, Feng, Hongli, and D.A. Hennessy. "Farmland use in the Dakotas, 2015 survey and analysis." Pages 12-15 in (L. Knuffman, ed.) Proceedings of the 3rd Biennial Conference on the Conservation of America's Grasslands, Fort Collins, CO, Sept. 29-Oct. 1, 2015. Published July 2016.
- Miao, Ruiqing, Hennessy, D.A., and Hongli Feng*. "Risk Management Subsidies, Production System Switching Costs, and Native Grassland Conversion." Proceedings of the 2nd Biennial Conference on the Conservation of America's Grasslands, Manhattan, KS, August 13-14, 2013, pp. 25-26, http://www.nwf.org/~media/PDFs/Media%20Center%20-%20Press%20Releases/2014/Americas-Grasslands-Conference-Proceedings_FINAL_MED_RES-031314.pdf
- Arora, G., P.T. Wolter, H. Feng and D.A. Hennessy "Characterizing and Comprehending Land Use Change in the Loess Hills Region." *Agricultural Policy Review*, Winter 2015, CARD, Iowa State University.
- Hennessy*, D.A., Hongli Feng, and Ruiqing Miao. "Land Use Consequences of Crop Insurance Subsidies." Proceedings of the 1st Biennial Conference on the Conservation of America's Grasslands, Sioux Falls, SD, August 15-17, 2011, pp. 46-48, <http://www.nwf.org/~media/PDFs/Global-Warming/Policy-Solutions/Americas%20Grasslands%20Conference%20Proceedings061312.ashx>.
- D.A. Hennessy and H. Feng. "A Paradox for Agro-Environmental Land Policy." CARD Working Paper 09-WP 499, 2009.
- B.A. Babcock, O. Rubin, and H. Feng. "Is Corn Ethanol a Low-Carbon Fuel?" *Iowa Ag Review*, Fall 2007, 13(4), pages 1-3 and 10. http://www.card.iastate.edu/iowa_ag_review/fall_07/IAR.pdf.
- C.L. Kling, S. Rabotyagov, M. Jha, H. Feng, J. Parcel, P. Gassman, T. Campbell. February 2007. "A report to the Iowa Farm Bureau and partners—Conservation Practices in Iowa: Historical Investments, Water Quality, and Gaps." Center for Agricultural and Rural Development and Department of Economics, Iowa State University.
- H. Feng, C.L. Kling, P.W. Gassman, M. Jha, J. Parcel. "The costs and benefits of conservation practices in Iowa." *Iowa Ag Review*, Fall 2006, Vol.12, No.4, pp.10-12. Available at http://www.card.iastate.edu/iowa_ag_review/.
- C.L. Kling, S. Secchi, M. Jha, L.A. Kurkalova, H. Feng, and P.W. Gassman. "Nonpoint Source Needs Assessment for Iowa: The Cost of Improving Iowa's Water Quality." A report to the Iowa Department of Natural Resources. May 2005

P.W. Gassman, S. Secchi, M. Jha, L. Kurkalova, H. Feng, and C.L. Kling. "Nonpoint Source Needs Assessment for Iowa Part III: Economic and Environmental Outcomes." Watershed Management to Meet Water Quality Standards and Emerging TMDL (Total Maximum Daily Load), Proceedings of the Third Conference 5-9 March 2005 Atlanta, Georgia. ASAE, St. Joseph, Michigan. pp. 533-542.

S. Secchi, H. Feng, L.A. Kurkalova, C.L. Kling, P.W. Gassman, and M.K. Jha. "Nonpoint Source Needs Assessment for Iowa Part II: the Cost of Improving Iowa's Water Quality." Watershed Management to Meet Water Quality Standards and Emerging TMDL (Total Maximum Daily Load), Proceedings of the Third Conference 5-9 March 2005 Atlanta, Georgia. ASAE, St. Joseph, Michigan. pp. 522-532.

Gassman P. W., S. Secchi, C. L. Kling, M. Jha, L. Kurkalova, and H. Feng. 2005. An Analysis of the 2004 Iowa Diffuse Pollution Needs Assessment using SWAT. Proceedings of the SWAT 2005 3rd International Conference, 11-15 July, Zurich, Switzerland.

C.L. Kling, H. Feng, P.W. Gassman, L.A. Kurkalova, and S. Secchi. "Targeting Efficiency in the Conservation Security Program." *Iowa Ag Review*, Winter 2004, Vol.10, No.1, p.4-5, 10. Also reprinted in *Farmer's Digest*, June/July 2004, page 50-55, http://www.card.iastate.edu/iowa_ag_review/winter_04/IAR.pdf.

H. Feng, L.A. Kurkalova, and S. Secchi. "Multi-functionality: Market Failure and Options to Internalize Externalities: Applying the OECD Framework: A Review of the Literature in the United States." Report prepared for the Organization for Economic Cooperation and Development, Directorate for Food, Agriculture, and Fisheries, July 2001, <http://www.oecd.org/agr/mf/>.

B. Babcock, J. Beghin, M. Duffy, H. Feng, B. Hueth, C.L. Kling, U. Schneider, S. Secchi, Q. Weninger, and J. Zhao. "Conservation Payments: Challenges in Design and Implementation." CARD Briefing paper, BP 34, June 2001, <http://www.card.iastate.edu/publications/texts/01bp34.pdf>.

BOOK CHAPTERS

S. Rabotyagov and H. Feng. "The provision of public goods from agriculture: observations from agri-environmental policies in the US." In *Multifunctional rural land management; economics and policies*. March 2009. F. Brouwer and M. van der Heide (Eds), Earthscan. Earthscan Publications Limited, London, UK.

H. Feng, M. Jha, P.W. Gassman, and J.D. Parcel "A Recent Trend in Ecological Economic Research: Quantifying the Benefits and Costs of Improving Ecosystem Services." In *Ecological Economics Research Trends*. 2007. F. Columbus (Ed), Nova Science Publishers, Hauppauge, NY.

C.L. Kling, S. Secchi, M. Jha, H. Feng, P.W. Gassman, and L.A. Kurkalova. Upper Mississippi River Basin modeling system part 3: Conservation practice scenario results. In: *Coastal*

Hydrology and Processes. 2006. V.P. Singh and Y.J. Xu (Eds), Water Resources Publications, Highland Ranch, CO.

H. Feng, C. L. Kling, L.A. Kurkalova, and S. Secchi. “CAC versus Incentive-Based Instruments in Agriculture: The Case of the Conservation Reserve Program,” in book *Moving to Markets in Environmental Regulation: Lessons from Twenty Years of Experience*. 2006. Jody Freeman and Charles Kolstad (Eds), Oxford University Press, New York.

H. Feng, J. Zhao, and C.L. Kling. “The Time Path and Implementation of Carbon Sequestration.” In S. Batie and R. Horan (Eds.), *The economics of agri-environmental policy*. Volume 2. International Library of Environmental Economics and Policy. Aldershot, U.K. and Burlington, Vt.: Ashgate, 2004; 93-108. (Reprinted from *American Journal of Agricultural Economics* 84(1): 134-149.)

OTHER PROFESSIONAL ACTIVITIES

Member of

American Economics Association (AEA)

Association of Environmental and Resource Economists (AERE)

American Agricultural Economics Association (AAEA)

Fellow of Environmental Science and Policy Program at MSU (2015—present)

Fellow of the Center for Behavioral & Experimental Agri-Environmental Research (CBEAR)
(2018—present)

Chair, Applied Risk Analysis section, AAEA, 2018-2019

Reviewer of journal articles and reports

Agricultural Economics

American Journal of Agricultural Economics

Annual Meeting of American Agricultural Economics

Applied Economic Perspectives and Policy

Australian Journal of Agricultural and Resource Economics

Biomass and Bioenergy

Canadian Journal of Agricultural Economics

China Agricultural Economic Review

Choices

Ecological Economics

Environmental and Resource Economics

Environmental Science and Policy

Environmental Science & Technology

European Review of Ag Econ

Frontier in Ecology and the Environment

Geneva Papers on Risk and Insurance

Journal of Agricultural and Applied Economics

Journal of Agricultural and Resource Economics

Journal of the American Water Resources Association

Journal of Economic Dynamics & Control

Journal of Environmental Economics and Management

Journal of Environmental Management

Journal of Environmental Planning & Management
Land Economics
Land Use Policy
Journal of Soil and Water Conservation
Nature Sustainability
PLOS One
Resource and Energy Economics
Review of Agricultural Economics
Water Resource Research
USDA-ERS.

Topic Leader for “Risk and Uncertainty” session of the 2019 AAEA annual meeting. Also reviewer for the meeting.

Topic Leader for “Risk and Uncertainty” session of the 2018 AAEA annual meeting. Also reviewer for the meeting.

Guest Editor for Choices, 2018

Panel Reviewer for NIFA, “Environmental and Natural Resource Economics” Program Area in 2017.

Panel reviewer for EPA Science to Achieve Results (STAR) Fellowships: “Human Health Risk Assessment- Risk Assessment and Risk Management.” 2015

Panel reviewer for EPA Science to Achieve Results (STAR) Fellowships: “Air, Climate & Energy: Global Change.” 2013

Organizer of a Principal Papers session at the 2012 Annual Meeting of American Agricultural Economics Association in Seattle, Washington.

Panel reviewer for EPA Science to Achieve Results (STAR) Fellowships: “Emerging Environmental Approaches & Challenges: Social Sciences.” 2012

Panel reviewer for EPA program: “Sustainable Chesapeake: A Collaborative Approach to Urban Stormwater Management.” 2011

Panel reviewer for EPA Science to Achieve Results (STAR) Fellowships: “Science & Technology for Sustainability: Environmental Behavior & Decision Making.” 2009

Member on the EPA review panel for “Collaborative Science and Technology Network for Sustainability: Communities and the Built Environment,” September 2006.

Discussant, AERE session “Pollution Control,” at the Annual Meeting of American Agricultural Economics Association in Long Beach, CA, July 2006.

Grant reviewer for The Smithsonian Institution—the Indo-US Science and Technology Forum, 2006.

Co-organizer of a Principal Papers session at the 2005 Annual Meeting of American Agricultural Economics Association in Providence, Rhode Island.

SERVICES TO DEPARTMENT AND UNIVERSITY (NEED COMPLETE THIS SECTION)

2018-2019: Undergraduate Policy Committee (as chair in spring 2019); Advisor specialist search committee

2017-2018: MS thesis awards committee,

2016-2017: Faculty search committee for Assistant/Associate Professor of Agricultural and Applied Economics; Faculty search committee for Assistant/Associate Professor of Production Economics and Farm Management; Undergraduate scholarship for EEM major

2014-2015: Awards (Alumni & Students) committee

2013-2014: Awards (Alumni & Students) committee

2012-2013: Graduate Student Recruiting & Admission, and Awards (Alumni & Students)

2011-2012: department seminar committee

2010-2011: graduate admissions committee at the department

Served as Honors Liaison of the department 2009-2015 at ISU

Served as the advisor of the Chinese Students and Scholars Association (CSSA) on campus 2010-2015. (The Chinese students and scholars form a large community on campus. The CSSA represents close to 2000 undergraduate and graduate students, accounting for more than 50% of international students and about 6% of total student body at ISU.)

SELECTED PRESENTATIONS

(*indicates other presenting authors)

“Grassland Easement Acquisition: Conversion risk, Additionality, and Spatial Spillover.” Miao, (with R. Miao, D.A. Hennessy, G. Arora, and C. Loesch) Selected paper presented at AAEA annual meetings, Atlanta, Georgia, July 21-23, 2019. Also selected paper presentation at America’s Grasslands Conference—Working Across Boundaries, the Fifth Biennial Conference on the Conservation of America’s Grasslands August 20-22, 2019 Bismarck, North Dakota.

“Past and future weather: Farmers’ perceptions and their roles in land use decisions.” (with G. Arora*, and D.A. Hennessy.) Selected paper presented at AAEA annual meetings, Atlanta, Georgia, July 21-23, 2019. <https://ageconsearch.umn.edu/record/290768>.

“Understanding Grazing Intensity Choices on the US Great Plains.” (with Y. Che*, D.A. Hennessy, T. Wang) Selected poster presented at AAEA annual meetings, Atlanta, Georgia, July 21-23, 2019. Also selected paper presentation at America’s Grasslands Conference—Working Across Boundaries, the Fifth Biennial Conference on the Conservation of America’s Grasslands, August 20-22, 2019 Bismarck, North Dakota.

- “Perceptions of Climate Patterns and its Role in Land Use Decision Making—An Analysis Based on a Survey of Farmers.” (with D.A. Hennessy, T. Wang) A presentation made for local land managers and other researchers in Mount Ayr, Iowa, May 24, 2018.
- “Roles of Systemic Risk and Premium Subsidies in Choice between Area and Individual Insurance Contracts.” (with X. Gong*, and D.A. Hennessy) Selected paper presented at SCC-76 annual meetings, Kansas City, April 4-9, 2019.
<https://ageconsearch.umn.edu/record/288083?ln=en>.
- “Recent Events and Participation in U.S. Federal Crop Insurance Programs.” (with Y. Che*, and D.A. Hennessy) Selected paper presented at SCC-76 annual meetings, Kansas City, April 4-9, 2019. <https://ageconsearch.umn.edu/record/288081?ln=en>.
- “Alternative to Managing Antibiotics Demand in Dairying.” (with D.A. Hennessy*, Y. Jia) Selected paper presented at the One Health and Food Safety conference, Bonn, Germany, September 18-19, 2018.
- “Toward Understanding On-Farm Demand for Antibiotics.” (with D.A. Hennessy*, Y. Jia) ERS & Farm Foundation Workshop on Challenges to Changing Antibiotic Use in Food Animal Production, Thursday, National Press Club, Washington, DC, September 6, 2018.
- “Alternative Approaches to Managing Demand for Antibiotic Treatment in Dairying.” (with D.A. Hennessy*, Y. Jia) Late Breaker presentation at the One Health and Food Safety 5th International One Health Congress, Saskatoon, Canada, June 22-25, 2018.
- “Farmers’ valuation of changes to crop insurance coverage level – a test of third generation prospect theory.” (with M. Doidge* and D.A. Hennessy). Selected paper presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
<https://ageconsearch.umn.edu/record/274478?ln=en>.
- “Systemic Risk, Geography and Area Insurance.” (with X. Gong*, and D.A. Hennessy) Selected paper presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- “What Drives Dairy Farmer Antibiotic Treatment Decisions?” (with Y. Jia*, and D.A. Hennessy) Selected poster presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- “Characterizing the Determinants of Seeding Rate Choices.” (with Y. Che*, D.A. Hennessy, and L. Lindsey) Selected poster presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- “Role of regret in farmers’ land conversion choices: results from a dynamic economic experiment.” (with M. Doidge* and D.A. Hennessy) Selected poster presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.

- “Grassland Easement Evaluation and Acquisition: A Stochastic Dynamic Perspective.” (with R. Miao*, D.A. Hennessy) Presentation in a General Session at the 6th Annual AERE Summer Conference, Pittsburgh, Pennsylvania, May 31st to June 2nd, 2017.
- “Yield and Acreage Adaptation of US Crops to Climate Changes: Empirical Evidence in Recent Decades.” (X. Du*, D.A. Hennessy) Selected 20 min paper presentation at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- “Farmers’ revenue conditions predictions and land conversion decisions: evidence of the gambler's fallacy.” (with M. Doidge* and D.A. Hennessy). Selected 20 min paper presentation at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- “The Geography and Psychology of Participation in U.S. Federal Crop Insurance Programs.” (with Y. Che*, and D.A. Hennessy). Selected 20 min paper presentation at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- “Perception Biases and Land Use Decisions.” (with T. Wang, and D.A. Hennessy) Selected paper presented in a Lightning session at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- “Trade-offs in farmers’ crop insurance choices: coverage level vs. premium price.” (with R. Miao*, D.A. Hennessy) Selected 20 min paper presentation at Canadian Agric. Econ. Soc. Annual Meeting, Montréal, Quebec, June 18-21, 2017.
- “Grassland Easement Evaluation and Acquisition: A Stochastic Dynamic Perspective.” (with R. Miao*, D.A. Hennessy) Selected paper presented at the Association of Environmental and Resource Economics (AERE) Annual Summer Conference in Pittsburgh, PA, May 31-June 2, 2017.
- “Farmers' revenue condition predictions: Evidence of the gambler's fallacy?” (with M. Doidge*, and D.A. Hennessy). Poster presented at the 2017 Southern Ontario Behavioural Decision Research Conference, Kingston ON, May 12, 2017.
- “Conservation Easement Acquisitions Amidst Localized Spillover Effects in Grassland Conversions: Analysis using Remotely-sensed Data” (with G. Arora*, D. Hennessy, and P. Wolter). Econometrics Track Session paper presented at AAEA Annual Meeting, Chicago, IL, July 31-August 1, 2017.
- “Grassland Easement Evaluation: an Integrated Framework.” (with R. Miao*, D.A. Hennessy) Selected paper presented at Southern Agricultural Economics Association Annual Meeting, Mobile, AL, February 4-7, 2017.
- “Farmland Use Decisions and Grassland Conversion in the Dakotas: 2015 Survey and Analysis.” (with M. Luri*, L. Janssen, D.A. Hennessy) Selected poster presented at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.

- “Land Use and Climate Change in the Dakotas.” Presented at 2015 Open Science Conference, Fort Collins, CO, May 20-22, 2015.
- “Land Use and Climate Change in the Dakotas.” (with G. Arora*, D.A. Hennessy, and P.T. Wolter) Presented at 2015 NIFA Climate Change Project Directors Meeting, Washington, DC, April 7-9, 2015.
- “Conservation easement acquisitions amidst localized spillover effects in grassland conversions: Analysis using remotely-sensed data.” (with G. Arora*, D. Hennessy, and P. Wolter). Heartland Environmental and Resource Economics Workshop in Illinois, November 2016.
- “Climate Change Adaptation in Grassland Ecosystems.” 2016. (with Debinski, D.M., C. Anderson, J. Miller, and N. Lyon.) Iowa Climate Science Educators Forum. Des Moines Area Community College, Des Moines, IA. Oct. 7, 2016.
- “Crop Competitiveness and Future Climate Change in the Northern Great Plains.” (with G. Arora*, D.A. Hennessy, A. Christopher J.) Agricultural & Applied Economics Association (AAEA) Annual Meeting, July 28-Aug 2, 2016, Boston, MA.
- “Strategic Grasslands Conversions and Conservation Easement Acquisitions in the Dakotas: Analysis using Remotely Sensed Data. (with G. Arora, D.A. Hennessy, P. Wolter) Agricultural & Applied Economics Association (AAEA) Annual Meeting, July 28-Aug 2, 2016, Boston, MA.
- “Grassland Easement Evaluation and Acquisition: an Integrated Framework.” (with R. Miao*, D.A. Hennessy) Agricultural & Applied Economics Association (AAEA) Annual Meeting, July 28-Aug 2, 2016, Boston, MA.
- “Perception Biases and Land Use Changes.” (with D.A. Hennessy, T. Wang). Presented at the 9th Annual MSU/UM/WMU Energy & Environmental Economics Day, August 25, 2016. Also presented at Renmin University, China Agricultural University, and Center University of Finance and Economics in June, 2016.
- “Farmers’ Rankings of the Determinants of Land Use Decisions at the Margins of the Corn Belt.” (with T. Wang*, M. Luri, L. Janssen, D. Hennessy, M. Wimberly, G. Arora.) Agricultural & Applied Economics Association (AAEA) Annual Meeting, July 28-Aug 2, 2016, Boston, MA.
- “Farmland Use Decisions and Grassland Conversion in the Dakotas: Report and Analysis of 2015 Survey.” (with L. Janssen*, M. Luri, Md. Chowdhury, and D. Hennessy) Plains and Prairie Potholes LLC Monthly Science Webinar Presentation, December, 2015.
- “Role of Ethanol Plants in Dakotas Land Use Change.” (With Gaurav Arora*, Peter T. Wolter, David A. Hennessy) Poster presented at Heartland Environmental and Resource Economics, University of Illinois-Urbana Champagne, October, 2014.

- “Tail Dependence is to be Expected Among Crop Yields.” (David A. Hennessy, and Xiaodong Du), presented at AAEA 2014 Annual meeting, Minneapolis, MN, July 27-29.
- “Incorporating Crop Insurance Subsidies into Conservation Reserve Program (CRP) Design.” (with D.A. Hennessy and R. Miao) AAEA 2013 Crop Insurance and the Farm Bill Symposium, October 7-9, Louisville, KY.
- “Rationality of Choices in Subsidized Crop Insurance Markets.” Selected presentation, (with D.A. Hennessy and X. Du) Agricultural and Applied Economics Association, Washington DC, August 4-6 2013.
- “Native Grassland Conversion: The Roles of Risk Intervention and Switching Costs.” (with D.A. Hennessy and R. Miao) Selected presented at the Second Biennial Conference on the Conservation of America’s Grasslands. August 12-14, 2013, Manhattan, Kansas.
- “An Analysis of Farmers’ Insurance Choices and Federal Crop Insurance Subsidies.” Seminar presentation at China University of Political Science and Law, Beijing, China, July 2013. Also presented at Henan Normal University, Xinxiang, Henan, China, July 2013.
- “Geographic Determinants of Preferences along U.S. Crop Insurance Subsidy Schedule.” (with D.A. Hennessy and X. Du) Selected Poster presentation, Agricultural and Applied Economics Association, 2012 Annual Meeting, August 12-14, 2012, Seattle, WA.
- “The Effects of Government Payments on Cropland Acreage, CRP Enrollment, and Grassland Conversion in the Dakotas.” (with D.A. Hennessy and R. Miao) Presented at the invited paper session “*Agricultural Land-Use and Grassland Conversion in the Northern Plains: Implications from Alternative Data and Modeling Strategies.*” Agricultural and Applied Economics Association, 2012 Annual Meeting, August 12-14, 2012, Seattle, WA.
- “Land Use Consequences of Crop Insurance Subsidies” (with D.A. Hennessy* and R. Miao). Agricultural & Applied Economics Association (AAEA) Annual Meeting, July 24-26, 2011, Pittsburgh, PA.
- “Land Retirement Program Design and Empirical Assessments In the Presence of Crop Insurance Subsidies” (with D.A. Hennessy and R. Miao*). Agricultural & Applied Economics Association (AAEA) Annual Meeting, July 24-26, 2011, Pittsburgh, PA.
- “Factors Influencing CDM locations in China.” (with J. Kim*) Poster presented at the 2010 AAEA Annual Meeting in Denver, Colorado, July 25-27, 2010.
- “Factors influencing CDM locations in China.” (with J. Kim) Paper presented at A Forum on The Relevance of Chinese Economic Development.” March 4-5, 2010, Purdue University, West Lafayette, IN.

- “Impacts of Ethanol on Planted Acreage in Market Equilibrium.” (with B. Babcock) Poster presented at the 2009 AERE (the Association of Environmental and Resource Economists) summer workshop on Energy and the Environment, Washington, DC, June 18-20, 2009.
- “Assessing the Impacts of Bioeconomy Expansion on Total Cropland Use and the Share of Corn Area in the U.S. Midwest.” (with Y. Li) Poster presented at the 2008 Biobased Industry Outlook Conference, September 8-9, Iowa State University, Ames, Iowa.
- “Greenhouse Gas Impacts of Ethanol from Iowa Corn: Life Cycle Assessment versus System Wide Accounting.” (with O.D. Rubin*, and B.A. Babcock) Selected paper to be presented at the Annual Meeting of American Agricultural Economics Association July, 2008, Orlando, Florida.
- “Does permit trading minimize costs under an expected pollution target?” (with S.S. Rabotyagov) Department of Economics, University of Vermont, Burlington, January 2008.
- “Greenhouse Gas Impacts of Ethanol from Iowa Corn: Why Accounting for Land Use Changes Matters?” (with B. Babcock and O. Rubin) Department of Natural Resource Ecology and Management, Iowa State University, Ames, Iowa, January 22, 2008.
- “The Optimal Combination and Placement of Conservation Practices: Improving Water Quality under Climate Change in the Upper Mississippi River Basin.” (with S. Rabotyagov*, M. Jha, C. Kling, E.S. Takle, P. Gassman) Selected paper presented at the Annual Meeting of American Agricultural Economics Association July 29-August 1, 2007, Portland, Oregon.
- “When Should Uncertain Nonpoint Emissions be Penalized in a Trading Program?” (with D.A. Hennessy*) Selected paper presented at the Annual Meeting of American Agricultural Economics Association in Long Beach, CA, July, 2007.
- “Does permit trading minimize costs under an expected pollution target?” (with S.S. Rabotyagov) Department of Agriculture, Environment, and Development, Ohio State University, Columbus, October 2007.
- “Interactive Drivers of Land-Cover/Land Use Change in Upper Mississippi River Basin (PART II): An Integrated Modeling System of Climate, Conservation Policy, and Land-Manager Choices.” (with C.L. Kling, E.S. Takle, M. Jha, S. Rabotyagov, E. Lu, P.W. Gassman, J. Parcel, and T. Campbell) Poster presented at NASA Land Cover Land Use Change Science Team Meeting, April, 2007.
- “Conservation Practices in Iowa: Historical Investments, Water Quality, and Gaps.” (with C.L. Kling, S. Rabotyagov, M. Jha, P. Gassman, J. Parcel, T. Campbell) Poster presentation at “Research in the Capitol”, State Capitol, Des Moines, Iowa, March 2007.
- “Greenhouse Gas Impacts of Corn-based Ethanol: Accounting for Policy Needs and Agricultural Heterogeneities.” (with B. Babcock and O. Rubin) Selected paper presented at session

- “Global Climate Policy Considerations” at the Bio-based Industry Outlook Conference, Ames, Iowa, 2007.
- “The Allocation of Nutrient Load Reduction across a Watershed: Assessing Delivery Coefficients as an Implementation Tool.” (with M. Jha and P. Gassman) Presented at North Carolina State University, December 2006.
- “The Allocation of Nutrient Load Reduction across a Watershed: Assessing Delivery Coefficients as an Implementation Tool.” (with M. Jha and P. Gassman) Presented at Kansas State University, November 2006
- “Interactive Drivers of Land-Cover/Land Use Change in Upper Mississippi River Basin: An Integrated Modeling System of Climate, Conservation Policy, and Land-Manager Choices.” (with P.W. Gassman, M. Jha, C.L. Kling, S. Secchi, E.S. Takle, L Kurkalova) Poster presented at NASA Land Cover Land Use Change Science Team Meeting, October, 2006.
- “Effectiveness of Agricultural Conservation Policies and Alternative Metrics of Water Quality.” (with S. Secchi, M. Jha, L. Kurkalova, P. Gassman, and C. Kling) poster presented at the 2006 AAEA Annual Meeting in Long Beach.
- “A Comparison of State and Federal Cost-Share Programs for Iowa.” Poster presentation at “Conservation & Environmental Issues Conference.” (with J. Parcel, P.W. Gassman, and C.L. Kling) West Des Moines, Iowa, June 28, 2006. Also Selected Poster to be presented at the conference, “Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base.” October 11-13, 2006, Kansas City, Missouri.
- “Targeting for Environmental Improvement When Multiple Conservation Programs Co-exist: an Application to the Upper Mississippi River Basin.” (with C. Kling) Selected paper presented at the conference, “Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base,” October 11-13, 2006, Kansas City, Missouri.
- “Green Taxes Conditioned on Noisy Signals: Production and Abatement Distortions.” (with D.A. Hennessy) AERE Sessions paper presented at the Annual Meeting of American Agricultural Economics Association in Long Beach, CA, July 23-26, 2006.
- “Optimal Pollution Permit Trading Ratio under Incomplete Information on Abatement Costs and Environmental Damages.” (with S. Rabotyagov*) Selected paper presented at the Annual Meeting of American Agricultural Economics Association in Long Beach, CA, July 23-26, 2006.
- “Allocating Nutrient Load Reduction across a Watershed: Using Transfer Coefficients to Assess Different Principles.” Selected paper presented at the Annual Meeting of American Agricultural Economics Association in Long Beach, CA, July 23-26, 2006.

- “When the Wrong Firms Produce under Green Taxes and Imperfect Information.” (with D. Hennessy) Presented at the 7th annual Heartland Environmental and Resource Economics (HERE) Workshop, September 2005, Ames, Iowa.
- “Conservation Reserve Program in the Presence of Other Conservation Programs: Implications for Water Quality, Program Participation, and Income Transfer.” (with C.L. Kling, L.A. Kurkalova, S. Secchi, and P.W. Gassman) Presented at the Principal Paper Session, “Cost-effectiveness of the Conservation Reserve Program: Current Challenges.” 2005 Annual Meeting of American Agricultural Economics Association in Providence, Rhode Island, July 24 through 27.
- “The Consequences of Co-benefits for the Efficient Design of C Sequestration Programs.” (with C.L. Kling) Selected paper presented at the 2005 Annual Meeting of American Agricultural Economics Association in Providence, Rhode Island, July 24 through 27.
- “Linking the Economic Costs and Water Quality Benefits of Conservation in Agricultural Lands: An Iowa Assessment.” (with S. Secchi, P.W. Gassman, M. Jha, L. Kurkalova, T. Campbell, and C.L. Kling) Poster presented at the 2005 AAEA Annual Meeting in Providence, Rhode Island.
- “Natural resources risk: Water quality and the dead zone in the Gulf of Mexico.” (with C. Kling*, P.W. Gassman, M. Jha, L. Kurkalova, and S. Secchi) Presented at the Association of Environmental and Resource Economists (AERE) Workshop, June 12-14, 2005, Jackson, WY.
- “The Designation of Co-benefits and its Implication for Policy: Water Quality vs C Sequestration in Agricultural Soils.” (with Secchi, M. Jha, L. Kurkalova, P. Gassman, and C.L. Kling) Presented at International Policy Forum on Greenhouse Gas Management.” April 28-29, 2005, Victoria, British Columbia, Canada.
- “The Consequences of Co-benefits for the Efficient Design of C Sequestration Programs.” (with C.L. Kling) Presented at International Policy Forum on Greenhouse Gas Management.” April 28-29, 2005, Victoria, British Columbia, Canada.
- “Economic and Environmental Co-benefits of Carbon Sequestration in Agricultural Soils: Retiring Agricultural Land in the Upper Mississippi River Basin.” (with L.A. Kurkalova, C.L. Kling, and P.W. Gassman) Presented at the Third USDA Symposium on Greenhouse Gases and Carbon Sequestration in Agriculture and Forestry March 22-24, 2005, Baltimore, Maryland.
- “Measuring Carbon Co-Benefits of Agricultural Conservation Policies: In-stream vs. Edge-of-Field Assessments of Water Quality.” (with L.A. Kurkalova, C.L. Kling, S. Secchi, and P.W. Gassman) Presented at the Third USDA Symposium on Greenhouse Gases and Carbon Sequestration in Agriculture and Forestry March 22-24, 2005, Baltimore, Maryland.

- “Income Support and the Design of Conservation Programs.” Presented at the 2nd International Conference on Environmental Concerns, 12-15 Oct 2004, Xiamen China.
- “Conservation Policies in Agriculture: Land Retirement vs. Changing Practices on Working Land.” (with C.L. Kling, L.A. Kurkalova, and P.W. Gassman) Presented at the 2nd International Conference on Environmental Concerns, 12-15 Oct 2004, Xiamen China.
- “Trade-Offs of Carbon Sequestration through Land Retirement versus Working Land.” (with C.L. Kling, L.A. Kurkalova) Presented at the Environmental Economics Workshop, Department of Economics, Iowa State University, February 18, 2004.
- “Policies to Improve Water Quality: In-Stream versus Edge-of-Field Assessment.” (with C.L. Kling, L.A. Kurkalova, S. Secchi, P.W. Gassman, M. Jha, T. Campbell, A. Bhaskar, C. Burkart, S. Sengupta, and R. Olson) Poster presented at the 2004 AAEA Annual Meeting in Denver.
- “Learning by Doing and Voluntary Pollution Abatement in an Uncertain Policy Environment.” Presented at the fifth annual Heartland Environmental and Resource Economics (HERE) Workshop, 2003, Ames, Iowa.
- “Learning by Doing and Voluntary Pollution Abatement in an Uncertain Policy Environment.” Presented at the Environmental Economics Workshop, Department of Economics, Iowa State University, April 2, 2003.
- “Green Payments and Dual Policy Goals.” Presented at the Annual Meeting of the American Agricultural Economics Association in Long Beach, California, July 28-31, 2002.
- “Alternative Intertemporal Permit Trading Regimes With Stochastic Abatement Costs.” (with J. Zhao) Presented (as a long presentation) at the Second World Congress of Environmental and Resource Economists in Monterey, California, June 24-27, 2002.
- “Green Payments and Dual Policy Goals.” Presented at the third annual Heartland Environmental and Resource Economics (HERE) Workshop, September, 2001, Ames, Iowa.
- “Implementing Carbon Reduction with Agricultural Sinks.” (with C.L. Kling and J. Zhao) Presented at the Allied Social Science Association meeting, January 2001, New Orleans.
- “Accounting for Stock Pollutants: How Much Should We Discount Them?” Presented at the Allied Social Science Association meeting, January 2001, New Orleans.
- “Implementing Carbon Reductions with Agricultural Sinks.” Presented at the second annual Heartland Environmental and Resource Economics (HERE) Workshop, September, 2000, Ames, Iowa.
- “Carbon Sequestration in Agriculture: Value and Implementation.” Department of Economics, Iowa State University, September, 2000.

