

Date: April 16, 2024

## RESUME

David A. Hennessy  
Department of Economics  
Iowa State University

<u>DEGREES HELD</u>	<u>INSTITUTION</u>	<u>DATE</u>
Doctor of Philosophy College: Agriculture Department: Economics Major: Agricultural Economics	Iowa State University	1993
Master of Agricultural Science Department: Applied Agricultural Economics & Rural Sociology	University College Dublin National University of Ireland	1989
Bachelor of Agricultural Science Department: Applied Agricultural Economics & Rural Sociology	University College Dublin National University of Ireland	1987

## PROFESSIONAL EXPERIENCE

<u>Position</u>	<u>Institution</u>	<u>Inclusive Dates</u>
Cargill Professor in Economics Systems	Dept. of Economics Iowa State Univ.	Fall 2021
Elton R. Smith Professor in Food & Agricultural Policy	Dept. of Agricultural, Food & Resource Economics Michigan State Univ.	Summer 2015- 2020/2021
Adjunct Professor	Dept. of Economics Michigan State Univ.	Fall 2015- Summer 2021
Professor	Dept. of Economics, & CARD Associate, Iowa State Univ.	Summer 2001- Summer 2016
Associate Professor	Dept. of Economics, Iowa State Univ.	Summer 1999 -Summer 2001
Assistant Professor	Dept. of Economics, Iowa State University	Aug. 1996-Summer 1999
Assistant Professor	Dept. of Agric. Economics Washington State Univ.	Nov. 1993-Aug. 1996
Research Associate	Dept. of Economics, Iowa State University	Sept. 1993-Nov. 1993
Graduate Student	Dept. of Economics, Iowa State University	Aug. 1989-Sept. 1993
Research Associate	Irish Agricultural Research Institute and St. Patrick's College, Maynooth, National University of Ireland	June 1988-Aug. 1989

**PERSONAL DATA**

Married to Hongli Feng/Hennessy: son Fergal, daughter Meabh, daughter Deirbhile.

History: Born in Waterford City, Ireland. Grew up in New Ross area, Co. Wexford, Ireland, where my parents farm beef cattle and barley. Irish and United States citizenships.

**Teaching Experience**

Term and Year	Course Number <sup>a</sup>	Course Title	Course Credits	Contact Hours per Week	Number of Students <sup>b</sup>
S 24	Econ 460 (at ISU)	Agricultural Policy, Undergraduate	3	3	27
S 24	Econ 560 (at ISU)	Agricultural Policy, Graduate	3	4 (3 with 460)	6
F 23	Econ 641 (at ISU)	Agricultural Economics I	3	3	8
S 23	Econ 460 (at ISU)	Agricultural Policy, Undergraduate	3	3	15
S 23	Econ 560 (at ISU)	Agricultural Policy, Graduate	3	4 (3 with 460)	4
S 23	Econ 537 (at ISU)	Advanced Commodity Markets	3	3	3
S 22	Econ 460 (at ISU)	Agricultural Policy, Undergraduate	3	3	20
S 22	Econ 560 (at ISU)	Agricultural Policy, Graduate	3	4 (3 with 460)	4
S 22	Econ 537 (at ISU)	Advanced Commodity Markets	3	3	11
S 21	ABM 425 (at MSU)	Commodity Marketing II (remote)	3	3	13
S 21	AFRE 900A (at MSU)	Applied Microeconomics I (remote/hybrid)	3	3	3
S 20	AFRE 900A (at MSU)	Applied Microeconomics I (remote after Spring break)	3	3	4
S 19	AFRE 900A (at MSU)	Applied Microeconomics I	3	3	14
S 18	ABM 303 (at MSU)	Managerial Economics for the Agri-Food System	3	3	47
S 15	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	43
S 14	Econ 537 (at ISU)	Commodity Markets	3	3	7
S 13	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	45
S 12	Econ 537 (at ISU)	Commodity Markets	3	3	10
S 11	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	45
S 10	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	42

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S 10	Econ 537 (at ISU)	Commodity Markets	3	3	9
S 09	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	45
S 09	Econ 537 (at ISU)	Commodity Markets	3	3	9
S 08	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	22
S 08	Econ 537 (at ISU)	Commodity Markets	3	3	13
S 07	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	21
F 06	Econ 537 (at ISU)	Commodity Markets	3	3	8
S 06	Econ 537 (at ISU)	Commodity Markets	3	3	15
S 06	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	13
S 05	Econ 335 (at ISU)	Agricultural Firms & Industry Organization	3	6	24
S 05	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	22
S 04	Econ 537 (at ISU)	Commodity Markets	3	3	13
S 04	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	26
S 03	Econ 537 (at ISU)	Commodity Markets	3	3	15
S 03	Econ 437 (at ISU)	Applied Commodity Marketing	3	3	22
S 02	Econ 537	Commodity Markets	3	3	18
S 02	Econ 437	Applied Commodity Marketing	3	3	40
S 00	Econ 532	Business Economics	3	3	47
S 00	Econ 537	Commodity Market Analysis & Strategies	3	3	18
F 99	Econ 432 (at ISU)	Agribusiness Management	3	3	18
S 99	Econ 532 (at ISU)	Business Economics	3	4	37
S 99	Econ 537 (at ISU)	Commodity Market Analysis & Strategies	3	3	7
F 98	Econ 432 (at ISU)	Agribusiness Management	3	3	27
SS98	Special (at ISU)	School for grain traders	0	–	20
S 98	Econ 537 (at ISU)	Commodity Market Analysis & Strategies	3	3	18

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F 97	Econ 432 (at ISU)	Agribusiness Management	3	3	23
S 97	Econ 542 (at ISU)	Commodity Market Analysis & Strategies	3	3	11
F 96	Econ 432 (at ISU)	Agribusiness Management	3	3	24
S 96	Ag Ec 503 (at WSU)	Agricultural Demand & Supply Systems	3	3	8
S 95	Ag Ec 541 (at WSU)	Agricultural Decision Analysis	3	3	9
S 95	Ag Ec 503 (at WSU)	Agricultural Demand & Supply Systems (Team taught)	3	1½	7
S 94	Ag Ec 503 (at WSU)	Agricultural Demand & Supply Systems (Team taught)	3	1½	9

<sup>a</sup> WSU, ISU and MSU denote courses taught while at Washington State University, Iowa State University and Michigan State University, respectively.

<sup>b</sup> Numbers do not include auditing students.

#### Recent Courses Taken

ISU Center for Excellence in Learning & Teaching (CELT), Winter course Design Workshop January 4-7, 2021.

#### Advising Experience

Undergraduate student advisor, Fall 2004 through Summer 2009.

First year graduate student advisor, Fall 2007- Spring 2010. Fall 2011- Spring 2015.

Agricultural Business Program EIS (new students) Departmental representative, Spring 2009.

#### Current Graduate Students, Iowa State University

Xuche Gong (joint with Hongli Feng), PhD Student in Economics.

Yue Zhao, PhD in Economics.

Chaoya Feng (joint with Jian Li), PhD student in Economics.

Rwit Chakravorty (joint with Hongli Feng), PhD student in Economics.

Jingyi Tong, PhD Student in Economics.

Number of graduate students at ISU, 2021- (committee chair, or co-chair):

	<u>Masters</u>	<u>Doctoral</u>
Completed	0	0
Currently enrolled or active	0	5

Number of graduate students at MSU (committee chair, or co-chair):

	<u>Masters</u>	<u>Doctoral</u>
Completed	2	6
Currently enrolled or active	0	1

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Number of graduate students at ISU (committee chair, or co-chair):

	<u>Masters</u>	<u>Doctoral</u>
Completed	12	11
Currently enrolled or active	0	5

Graduated students on whose committees I served (at MSU):

Ph.D: Major Professor (completed, 6)

Pin Lu, (July 2022, joint with Hongli Feng and formally with Scott Swinton as both Hongli Feng and I had resigned from MSU). Thesis title “Essays on Risk Management and Irrigation Water Demand in Agriculture.”

Yanan Jia, (June 2022, joint with Hongli Feng and formally with Robert Schupp as both Hongli Feng and I had resigned from MSU). Thesis title “Managing Biological Resistance in Agriculture: Investigating the Roles of Information and Data Analysis in Decision Making.”

Ziwei Ye, (May 2022, joint with Felicia Wu a formally with Wu as I had resigned from MSU). Thesis title “Crop Biotechnology: Economics, Environment, and Policy.”

YuYuan Che (July 2021, Co-Major with Hongli Feng, Dual Major in AFRE Department and Department of Economics). Thesis title “Four Essays on Farmers’ Behavior when Making Insurance, Grazing, and Seed Decisions in the Face of Uncertainty.”

Jina Yu (May 2019, Co-major with Felicia Wu, primary Dept., Food Science & Human Nutrition). Thesis title “The Impact of BT Crops on Aflatoxin Reduction.” Won the Department’s 2019 Ph.D dissertation award for dissertation. Awards committee cited the work for its interdisciplinary nature and for examining spillover effects.

Mary K. Doidge (June 2018, Co-major with Hongli Feng): Thesis title “Farmers’ Behaviour in the Face of Uncertainty: A behavioral economics approach to farmers’ land use and insurance decisions.”

Ph.D Committee membership (completed, 1)

Braeden VanDeynze (December 2019), Asa Watten (May 2021).

MS: Major Professor (completed, 2)

Wei-Ting Chiang (June 2021, Co-major with Felicia Wu): Thesis title “Genetically Modified Bt Corn Reduces Aflatoxin Risk in US South: Crop Insurance Analyses.”

XuChe Gong (August 2019, Co-major with Hongli Feng): Thesis title “Towards Understanding Crop Yield Systemic Risk and its Implications for Crop Insurance Choices.”

MS Committee membership (completed, 2)

Scott Knowles, Zach Luther.

Graduated students on whose committees I served (at ISU):

Ph.D: Major Professor (completed, 11)

Gaurav Arora (January 2017): Thesis title “Studies on Factors Affecting the Evolution of Cropping Systems in the Dakotas.” James Prescott Scholarship Award recipient, 2016.

Edward D. Perry (Summer 2016, Co-major with GianCarlo Moschini): Thesis title “Genetically Engineered Varieties in the U.S. Maize and Soybean Seed Markets: Production Impacts, Environmental Implications, and Welfare Effects.”

Juan Manuel Murguia Baysse (Summer 2013, co-major with Sergio Lence and Markus

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- Mobius): Thesis title “Essays on Agricultural, Financial and Education Economics.”
- Zheng Xu (Fall 2012, co-major with Song Xi Chen, Dept. of Statistics): Thesis title “Studies on the GMO Effects on Crop Yields, the Effects of Pricing Errors on Implied Volatilities and Smoothing for Seasonal Time Series with a Long Cycle.”
- Tong Wang (Fall 2012): Thesis title “Essays on the Economics of Disease, with Particular Reference to Livestock.”
- Ruiqing Miao (Spring 2012): Thesis title “Essays on Investments into New Technologies—Policy, Information, and Learning.”
- Huan Zhao (Fall 2011, co-major with Leigh Tesfatsion): Thesis title “Four Studies on Beef Industry and Restructured Electricity Markets.”
- Sanchita Sengupta (Fall 2010, co-major with Cathy Kling): Thesis title “Three Essays in Environmental and Agricultural Issues.”
- Xiaodong Du (Fall 2008, co-major with Dermot Hayes): Thesis title “Essays on Land Cash Rents, Biofuels Markets, and their Interactions.”
- Alexander Saak (Fall 2001): Thesis title “Four Essays on Agricultural Finance and Biotechnology.”
- Jutta Roosen (Spring 1999): Thesis title “Economic Analysis of Pesticide Regulation in the U.S. Apple Industry.”

Ph.D: Committee Membership (completed, 31)

Gouliang Ma (Stat., Summer 2023), Michael Price (Stat., Spring 2018), Jun Xiang (Spring 2016), Jinzhi Xiao (Fall 2015), Miyoung Oh (Fall 2014), Hailong Jin (Spring 2013), Yuan Li (Fall 2012), Ranojoy Basu (Spring 2012), Abhishek Somani (Fall 2011), Luisa Menapace (Summer 2010), Lihong Lu McPhail (Spring 2010), Jing Liang (Spring 2010), Hongyan Li (Elec. Eng., Fall 2009), Guillermo Gutiérrez-Alcaraz (Elec. Eng., Summer 2009), Harold Salazar Isaza (Elec. Eng., Summer 2008), Li Zhang (Spring 2008), Nicholas Paulson (Spring 2007), Chengyan Yue (Fall 2006), Yong Jiang (Elec. Eng., 2006), Shu Lui (Elec. Eng., Spring 2006), Wei Shao (Elec. Eng., Spring 2006), Badri Ramanathan (Elec. Eng., 2005), Yong-Hwan Noh (Spring 2005), Deddy Koesrindartoto (Spring 2005), Xiaoming Wang (Elec. Eng., 2005), Wang Yu (Elec. Eng., Fall 2005), WeiGou Yang (Elec. Eng., 2003), Oya Erdogdu (Fall 2002), Charles Mason (2000), Jean-Philippe Gervais (Spring 1999), Paul Mitchell (1999), Charles Richter (Elec. Eng., Fall 1998).

MS: Major Professor (completed, 12)

- Fatma Sine Tepe (Summer/Fall 2009, MS in Economics): Thesis title “Biofuel Policy and Stock Price in Imperfectly Competitive Markets.”
- Emre Aylar (Spring 2009, MS in Economics): Creative component title “Determinants of Farmland Values in the State of Iowa: A County-Level Panel Data Analysis of Farmland Values in Iowa.”
- Licheng Jin (Fall 2007, MS in Econ.): Creative component title "Spatial Market Integration Upon Expanding PJM Electricity Market."
- Mei-Peng Cheong (Fall 2006, MS in Econ.): Creative component.
- Chin-Chuen Teoh (Spring 2006, MS in Econ.): Creative component.
- Badri Ramanathan (Spring 2006): Creative component.
- Sung-Joo Yoon (2005): Creative component.

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Wang Yu (Spring 2004): Creative component.

Matthew Miller (2003): Thesis title “An Economic Perspective on Iowa Farm-Level Diversification in the 20<sup>th</sup> Century.”

Oya Erdogdu (Spring 2002): Creative component.

Hyuk-Joon Ko (2000): Creative component.

Yan Liu (Spring 2000, co-supervised with Helen Jensen): Creative component.

MS: Committee Membership (completed, 28)

Bazer, Jeffrey (Ind. & Manuf. Syst. Eng., Fall 2015), Timothy Lenell (Fall 2012), Anurag Sobti (Math., Summer 2012), Qiye Sun (Fall 2009), Jing Liang (Fall 2008), Feng Gao (Fall 2008), Harold Salazar Isaza (Fall 2008), Gang Shen (Spring 2008), Shu Lui (Fall 2007), Kelsey Wittenberger (Fall 2007), Bryan Lindley (joint program in Anim. Sci. and Econ., 2007), Nicolas Acevedo Velez (2006), Dan Yang (Fall 2006), Kory Hedman (2006), Mei-Peng Cheong (Elec. Eng., Fall 2004), Chin-Chuen Teoh (Elec. Eng., Fall 2004), Antara Jaitly (Fall 2004), Ravi Vasikarla (Fall 2004), Derek Lane (Elec. Eng., Spring 2003), Keita Fukunaga (Spring 2003), Valintin Petrov (Elec. Eng., Spring 2002), Deddy Koesrindartoto (2001), Luis C. Gonzalez (Spring 2001), James Nicolaisen (Elec. Eng., 2001), Shah Rashid (Bus., Spring 2001), Sung-Joon Park (Spring 1999), Andrei Smilenov (Spring 1998), Godfred Yeboah (Fall 1999).

Third Year Paper committees served on while at MSU (completed, 4 as supervisor or co-supervisor and 2 as member)

Co-supervisor for Ziwei Ye (Spring 2020, with Felicia Wu), Yanan Jia (Spring 2020, with Hongli Feng), Pin Lu (Spring 2020, with Hongli Feng).

Ziwei Ye received best third year presentation/paper for “Should Glyphosate be Taxed? Herbicide Substitution and Spill-over Effects in US Corn Production.”

Co-supervisor for Yuyuan Che (Spring 2019, with Hongli Feng). On committee for Asa Watten (Spring 2019), Braeden VanDeynze (Spring 2019), Yixuan Gao, (Spring 2021).

Third Year Paper committees served on while at ISU (completed, 12 as supervisor or co-supervisor and 2 as second reader)

Co-supervisor for Rwit Chakravorty (Spring 2023). Supervisor for Jingyi Tong (Spring 2023).

Co-supervisor for Xuche Gong (Spring 2022). Co-supervisor for Xiaotong Wang (Spring 2022).

Supervisor for Yue Zhao (2022). Supervisor for Gaurav Arora (Fall 2015), Juan Murguia (Summer 2011), Tong Wang (Spring 2009), Huan Zhao (Spring 2009), Zheng Xu (Fall 2008), and Xiaodong Du (Spring 2008). Co-supervisor for Edward Perry (Fall 2013). On committee of Jie He (Fall 2005), Ruiqing Miao (Spring 2009).

Graduate Student Teaching Certificate, or GSTC

Supervisor for Ruiqing Miao, 5 course program to prepare for third level teaching (Fall 2010).

Independent Study while at MSU

Co-supervised (with Jinhua Zhao) Ph.D Candidate Asa Watten, 3 credit offering on Real Option Models and Applications (AFRE 890, Section 001, Spring 2018).

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**Positions taken by Former Graduate Students where I served as Major Professor**

Ziwei Ye (Summer 2022, Ph.D), Assistant Professor, School of Agricultural Economics & Rural Development, Renmin University, China.

Yanan Jia (Summer 2022, Ph.D), Assistant Professor, School of Agricultural Economics & Rural Development, Renmin University, China.

Pin Lu (Summer 2022, Ph.D), Commercial Risk Manager, Aon Insurance, Chicago.

Yuyuan Che (July 2021, Ph.D), Post-Doctoral researcher, Department of Agricultural & Resource Economics, North Carolina State University.

Mary K. Doidge (June 2018, Ph.D), Assistant Professor, Department of Agricultural Economics, McGill University.

Gaurav Arora (Spring 2017, Ph.D), Assistant Professor at Indraprastha Institute of Information Technology Delhi, (IIIT Delhi).

Edward D. Perry (Summer 2016, Ph.D), Assistant Professor at Dept. of Agricultural Economics, Kansas State University, Manhattan KS.

Tong Wang (Fall 2012, Ph.D), Assistant Professor at Dept. of Economics, South Dakota State University, Brookings.

Ruiqing Miao (Spring 2012, Ph.D), Assistant Professor at the Dept. of Agricultural Economics and Rural Sociology, Auburn University, Auburn, AL.

Juan Manuel Murguía Baysse (Summer 2013, Ph.D), Assistant Professor at the Dept. of Agribusiness and Applied Economics, North Dakota State University, Fargo ND.

Zheng Xu (Fall 2012), Assistant Professor, Departments of Mathematics and Statistics Wright State University.

Huan Zhao (Fall 2011, Ph.D), Electricity Market Analyst, ISO New England, Holyoke, MA.

Sanchita Sengupta (Fall 2010, Ph.D), Energy Services Analyst, Cadmus Group, Inc., Portland Oregon.

Fatma Sine Tepe (Summer/Fall 2009, MS). Ph.D student in Economics at University of Houston.

Emre Aylar (Spring 2009, MS). Ph.D student in Economics at University of Washington.

Xiaodong Du (Ph.D, Fall 2008), Associate Professor at the Dept. of Agricultural and Applied Economics, University of Wisconsin, Madison.

Licheng Jin (MS, Fall 2007), Electricity Market Analyst, California ISO, Folsom, CA.

Mei-Peng Cheong (MS, Fall 2006), Ph.D student in Electrical Engineering, Portland State University.

Chin-Chuen Teoh (MS, Spring 2006), Ph.D student in Electrical Engineering, Portland State University.

Badri Ramanathan (MS, Spring 2006), Utility Industries analyst and Power Market Trader, Exelon Corp., Chicago, IL.

Sung-Joo Yoon (MS, 2005), Ph.D Student in Economics, Indiana University.

Wang Yu (MS, Spring 2004), Utility Industries analyst, Risk Management Group, Constellation Energy Corp., Baltimore, MY.

Miller, Matthew (MS, 2003), USDA/NASS Statistician in Columbus MO.

Alexander E. Saak (Ph.D, Fall 2001), International Food Policy Research Institute (IFPRI), Washington, DC.

Oya Erdogdu (MS, Spring 2002), Lecturer, Ankara University, Turkey.

Ko, Hyuk-Joon (MS, 2000), MS in Finance at Cornell, and then Debt Analyst at LG Securities, South Korea.



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Yan Liu (MS, Spring 2000), Research Statistical Analyst, Harvard School of Medicine, Boston, MA.

Jutta Roosen (Ph.D, Spring 1999), now Professor, AAEA Fellow (2021), European Association of Agricultural Economics Past President (2018), and head of unit at the Department of Food Economics and Consumption Studies, Technical University of Munich, Munich, Germany.

### **Research Paper Honors, Awards, etc.**

Paper by Roosen & Hennessy. "Tests for the Role of Risk Aversion on Input Use." *AJAE*, 2003 cited on page 257 (Chapter 7) of Economic Report of the President as transmitted to U.S. Congress, March 2024. Citation regards role of risk aversion in adoption rate of Artificial Intelligence technologies.

*Best AJAE article, Honorable Mention* for 2022, for paper with title "Uncertainty and learning in a technologically dynamic industry: Seed density in US maize." Co-written with Edward D Perry and GianCarlo Moschini, Volume 104(August 2022):1388-1410.

*Best Paper award for 2022*, AAEA Institutional and Behavioral Economics Section Best Paper Competition with graduate student as lead author "Assessing Peer Effects and Subsidy Impacts in Conservation Technology Adoption: Application to Grazing Management Choices," Yuyuan Che, H. Feng, D.A. Hennessy.

*Best Paper award for 2018*, AAEA Institutional and Behavioral Economics Section Best Paper Competition with graduate student as lead author "Rationality of farmers' weather predictions and insurance purchases: A test of the gambler's and hot hand fallacies," Mary K. Doidge, H. Feng, D.A. Hennessy.

*Best AJAE article, Honorable Mention* for 2017, for paper with title "Rationality of Choices in Subsidized Crop Insurance Markets." Co-written with Xiaodong Du and Hongli Feng, Volume 99(April 2017):732-756.

American Agricultural Economics Association, Food Safety and Nutrition Section, award winner for *Best Economics Paper* published 2006, for paper with title "Regulatory Actions Under Adjustment Costs and the Resolution of Scientific Uncertainty." Co-written with G. Moschini, *American Journal of Agricultural Economics*, 88(May 2006):308-323.

Western Agricultural Economics Association award winner for *Outstanding Published Research*, 1995, for paper with title "Microeconomics of Agricultural Grading: Impacts on the Marketing Channel." *American Journal of Agricultural Economics*, 77(November 1995):980-989.

### **Other Honors**

Invited participant, 2024 NIAMREE One Health Interprofessional Education Program, January-April 2024, National Institute of Antimicrobial Research & Education, Iowa State University.

Agricultural, Food and Resource Economics, Michigan State University, *Departmental Award for Excellence in Research*, Spring 2019.

U.S. Environmental Protection Agency Special Government Employee, three year commitment commencing 5/30/2018 where particular matter regards Resistance of Lepidopteran Pests. Renewed in 2021.

*Who's Who in the World*<sup>®</sup>, 2018 Edition, Marquis.

Recipient, Marquis Who's Who 2018 Albert Nelson Marquis Lifetime Achievement Award.

Invited attendee, Jamboree Workshop for *Science Breakthroughs 2030: A Strategy for Food*

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and *Agricultural Research*, part of a National Academy of Sciences study, held October 2-4, 2017, Irvine, CA.

Endowed Chair Investiture Awardee, Michigan State University, May 2017.

Listed as one of five among all economists that graduated in 1987-1995 window with highest Ellison Hirsch-like index in comparison with Field, Age, School peers. Ellison, G., *American Economic Journal: Applied Economics*, 2013, 5(3):63-90. See Table 6 in <http://pubs.aeaweb.org/doi/pdfplus/10.1257/app.5.3.63>

*Who's Who in America*<sup>®</sup>, 2011 Edition, Marquis.

Fellow, Agricultural and Applied Economics Association (AAEA), 2010.

Ranked 1<sup>st</sup> among 1,537 Ph.D students graduating from the Top 22 U.S. Agricultural and Resource Economics Granting Programs from 1987-2000, according to Hilmer, C.E., and M.E. Hilmer, "On the Relationship between the Student Advisor Match and Early Research Productivity for Agricultural and Resource Economics Ph.Ds." *American Journal of Agricultural Economics*, 89(February 2007):162–175. See online appendix at <http://agecon.lib.umn.edu/>.

Ranked 17<sup>th</sup> as advisor of Ph.D students graduating from the Top 22 U.S. Agricultural and Resource Economics Granting Programs from 1987-2000, according to Hilmer & Hilmer. See online appendix at <http://agecon.lib.umn.edu/>.

Invited Participant, UN Development Programme (UNDP), Univ. College London (UCL) and Univ. of Sussex, global research survey on how science, technology and innovation (STI) can support UN Sustainable Development Goals, 2021

Invited Participant, QS World University Ranking survey, 2021

Invited Participant, Bank of Finland Survey on the Optimal Inflation Target, 2020

Invited Participant, Academic Reputation Survey component of *Times Higher Education* World University Rankings endeavor, 2017, 2022 and 2023.

Invited nominator for the MacArthur Fellows Program, 2007, 2021, 2022.

Invited nominator (by the Center for Financial Studies) for the 'Deutsche Bank Prize in Financial Economics', 2007, 2009, 2011, 2013, and 2015.

Research Fellow, *Rural Development Research Consortium* (centered at University of California, Berkeley), 2003-present.

Iowa State University, College of Agriculture, Award for *Early Achievement in Research*, 1999-2000.

E.O. Heady award for *Academic Excellence in Agricultural Economics* (incoming graduate student), Iowa State University 1989.

### **Certification**

Certificate of Completion. The National Institutes of Health (NIH) Office of Extramural Research Web-based training course "Protecting Human Research Participants". Date of completion: 02/16/2015. Cert. No. 1699418.

Certificate of Completion. Ethics Training for Special Government Employees (SGE). Completed in process of becoming an Environmental Protection Agency SGE, to participate in Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Scientific Advisory Panel deliberations. Date of completion: 06/14/2018.

### **National and International Panels and Committees**

Environmental Protection Agency meeting participant and appointment as Special Government

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Employee (SGE). Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) Scientific Advisory Panel reviewing Resistance of Lepidopteran Pests to *Bacillus thuringiensis* (Bt) Plant Incorporated Protectants in The United States, July 17-19, 2018, Holiday Inn Rosslyn, at Key Bridge, Arlington, VA. Report issued as SAP Minutes and Final Report No. 2018-06, Robert E. Chapin, Tamue L. Gibson et al., “A Set of Scientific Issues Being Considered by the Environmental Protection Agency Regarding: Resistance of Lepidopteran Pests to *Bacillus thuringiensis* (Bt) Plant Incorporated Protectants in The United States,” September 27, 2018. Complete docket, including comments available at <https://www.regulations.gov/docket/EPA-HQ-OPP-2019-0682>.

INRA, French National Institute for Agricultural Research, Meta Program on Multi-scale modelling, from animal Intra-Host to Metapopulation (MIHMES). Scientific Advisory Board (SAB) member, 2015-present. Visited Nantes during June 13-16, 2017.

INRA, French National Institute for Agricultural Research, Meta Program on Sustainable Management in Animal Health (GISA). Scientific Advisory Board (SAB) member, 2013-present. Visited Paris during July 10-11, 2013, and June 19-20, 2017.

National Academies of Sciences, National Research Council Board on Agric. & Nat'l Resources, Committee for the Analysis of the Requirements and Alternatives for Foreign Animal and Zoonotic Disease Research and Diagnostic Laboratory Capabilities, 2012. See report McElwain, T., Connell, N., Hennessy, D.A., King, L.A., Le Duc, J., MacLachlan, N.J., Marsh, B., Salman, M., Torres, A., and C. Wolf. 2012. “Meeting Critical Laboratory Needs for Animal Agriculture: Examination of Three Options” Committee on an Analysis of the Requirements and Alternatives for Foreign Animal and Zoonotic Disease Research and Diagnostic Laboratory Capabilities; Board on Agriculture and Natural Resources; Board on Life Sciences; Division on Earth and Life Studies; National Research Council, Washington, DC, June, 166 pages, [https://download.nap.edu/catalog.php?record\\_id=13454](https://download.nap.edu/catalog.php?record_id=13454)

United States Department of Agriculture and Environmental Protection Agency Committee on Biologic and Economic Assessment of the Use of Pesticides on United States Apples, 1995-1999.

### **Departmental Service:**

*At Iowa State University, 2021-present*

#### *Governance:*

Member of Economics Council, 2022-2023 and 2023-2024.

#### *Review Committees:*

Member, Departmental Promotion and Tenure Committee, 2022-2023.

Member, peer evaluation of teaching ad hoc committee, 2021, Fall, and 2023, Spring.

Member of Post-tenure Review Committee for Quinn Weninger (2021-2022), John Crespi (2022-2023), Joydeep Bhattacharya (2023-2024).

#### *Workshops and Committees on Graduate Program Education:*

Member, Department Graduate Programs and Policies Committee, 2021-2022, 2022-23, 2023-2024.

Member of ad hoc job market mock interview committees, 2021-2023.

#### *Awards:*

Member, ad hoc committee to identify ISU nomination for AAEA best PhD dissertation, 2024 for student conferred in 2023 year.

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*Planning & Related:*

Member, Staff Planning Committee, 2021-2022, 2022-2023 academic years and also Spring 2024.

*Department Renewal:*

Chair, Department Seminar Committee, 2023-2024.

Member, Department Seminar Committee, 2021-2022, 2022-2023.

*At Michigan State University, 2015-2021*

*Governance*

Member, Department Advisory Committee, 2017-2019 term.

*Search and Related Committees:*

Member, Search Committee for Agricultural and Food Policy position, 2018.

Member, Search Committee for Production & Farm Management Economist position, 2016-2017.

*Mentorships:*

Mentor for Assistant Professor Melissa McKendree, 2018-2021.

*Review Committees:*

Member, Morris Endowed Chair Review Committee, 2017.

Member, Food & Agricultural Management & Economics ad-hoc strategic planning committee, 2016-2017.

*Graduate Program:*

Graduate Policy Committee, member, 2019-2020.

AFRE Econ. & ECMT Methods (EEM), member, 2018-2019, 2019-2020, 2020-2021.

AFRE Econ. & ECMT Methods (EEM) Committee Chair, 2016-2017.

Hennessy, D.A. "The trouble with crop yield tail correlations; searching for geographic regularities." Ten minute talk to incoming graduate students, followed by questions, Sept. 1, 2015.

*Awards:*

Member, Departmental PhD Thesis Award Selection Committee, 2020-2021.

Member, Departmental Awards Committee, 2016-2018.

Chair, Departmental PhD Thesis Award Selection Committee, 2015-2016.

*Evaluations:*

MSU Evaluator Network, 2020.

*Other:*

Internal reviewer of outreach publications.

*At Iowa State University, 1996-2016*

*Search and Related Committees:*

Member, Search Committee for Joint Economics and Finance position on Ag. Finance and Real Estate, 2014-2015. I stepped off this committee before the search was complete.

Member, Departmental Chair Search Committee, 2014-2015.

Member, Departmental Chair Search Committee, 2013-2014, disbanded.

Member, Center for Agricultural and Rural Development Director Search Committee, 2012-'13.

Chair, Livestock Extension Faculty Search Committee, 2010.

Member, Trade/Theory/Labor/Macroeconomics Faculty Search Committee, 2008-09.

Member, Behavioral Economics Faculty Search Committee, 2007-08.

Co-Chair, Behavioral Economics Faculty Search Committee, 2006. Search discontinued at

direction of Dean due to budget constraints.

Member, Departmental Executive Officer Search Committee, 1999-2000.

Member, Staff Planning and Recruiting Committee (1997-99 and 2006-15).

*Mentorships:*

Mentor for Assistant Professor Sébastien Pouliot.

Co-mentor for Assistant Professor Philippe Marcoul.

*Review Committees:*

Member, 2010-'11 External Review Subcommittee on Research Mission.

Member of Departmental Promotion and Tenure Committee, 1999-2003, 2005-2006, and 2007-2009.

Member of Post-tenure Review Committee for GianCarlo Moschini (2015), Cathy Kling (2014), Harvey Lapan (2012), John Lawrence (2011), Peter Orazem (2010), David Frankel (2010), Helen Jensen (2010), Herman Quirnbach (2006), GianCarlo Moschini (2006), Wallace Huffman (2004).

*Workshops and Committees on Graduate Program Education:*

Microeconomic theory qualifying exam committee, 2014.

Ad hoc committee to advise chair on James Prescott Scholarship for 5<sup>th</sup> year students, 2013.

Agricultural Economics Workshop Organizer and member of workshops committee, 2009-2010.

Financial Economics and Industrial Organization Workshop Organizer and member of workshops committee, 2003-2005.

Member of Graduate Curriculum Committee, 2003-2008.

Member of Financial Economics Field Examination Committee, 2005.

Member of ad hoc job market mock interview committees for Hang Qian (2011), Monisankar Bishnu (2009), Junjie Sun (2006), Rupayan Gupta (2004).

Member of Departmental Graduate Advisory Committee, 1999-2001.

*Undergraduate Program Education:*

Ad hoc Committee to assess CALS hiring in light of Ag. Business teaching needs, 2013-2014.

Chair of Catalog review sub-committee, Agricultural Marketing and Production (undergraduate) as well as member of Agricultural Economics (graduate) and Industrial Organization review sub-committees, 2002.

Member of Catalog review sub-committees, Farm Management (undergraduate) and Agricultural Economics (graduate), 1999-2000.

*Governance:*

Member of Economics Council, 2013-2015. (Subcommittee chair: revising dept. governance document to provide for standing committee to review and advise on faculty teaching).

Member of Economics Council, 2001-2003 (Chair in 2001-2002).

Member of Departmental Remunerations Advisory Committee, 1999, 2000, 2002 (Chair), and 2008.

*Other:*

Member of faculty awards committee, 2010-2012.

Economics Department Coordinator of Experiment Station Program of Work on International Competitiveness, 2006.

Member of Departmental Publications committee, 2004-2006.

Member of Reading Room and Departmental Publications committee, 2003-2004.

Leader of successful Experiment Station project application (Firm and Market Structures in

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Meeting the Needs of Food Consumers), 2002-2009.  
Member of Departmental Publication Awards Committee, 1999-2000.  
Chair of the reading room and departmental publications committee (1998-99, 1999-2000).  
Member of the ad-hoc committee on the changing structure of agriculture (1998-99).  
At the request of the DEO at the time, I wrote a report on the effects of capital taxation on the structure of land tenure. The topic was of immediate concern to the state legislature.

*At Washington State University, 1993-1996*

Member of the Ph.D. microeconomic theory qualifying exam committee Summer 1994, Winter 1995, Summer 1995.  
Chair of the Ph.D. microeconomic theory qualifying exam committee Summer 1996.  
Member of the Resource Economist position search committee (1995).  
Internal reviewer of extension bulletins.

**University Service:**

*At Michigan State University*

Faculty Affiliate, Canadian Studies Center at Michigan State University, 2020-2021.  
Member, South Campus Farms Strategic Planning & Visioning Committee, 2020. Jim Kells & Pamela Ruegg (Co-Chairs).  
Member, Sustainable Michigan Endowment Project (SMEP) Executive Committee, 2016-  
SMEP Graduate Student Fellows nominations Reviewer, Spring 2017.

*At Iowa State University*

Member of College of Agric. & Life Sciences Promotion & Tenure Committee. Served 2014-'15 year of three year term.  
Member, Center for Advanced Host Defense Immunobiotics and Translational Comparative Medicine (CAHDIT), 2012- . CAHDIT offers interdisciplinary research and scientific communication/interaction toward the overall mission of fighting infectious diseases.  
Health & Wellness Symposium Planning Committee member, 2009-2010.  
Social Sciences & Education Division Representative on University Graduate Council, Spring 2008.  
International Student Graduate Council Subcommittee member, Spring 2008.  
College of Agriculture Representative on Transportation Advisory Committee, 2005-2008.  
College of Agriculture Representative on University Library Committee, 2002-2005  
Participant in the foundation grant proposal for "Information Infrastructure Institute (I<sup>3</sup>)" established using 2002 Presidential initiative funds. Principal investigators, Prof. Arun K. Somani, Prof. Suraj Kothari, Prof. Vijay Vittal  
Joint Ph.D Initiation Committee Member, 2002-2003. This committee was initiated to establish a Ph.D in the area of Finance, Applied Finance, or Agricultural Finance to be run jointly between the Finance Department and the Economics Department.  
Faculty affiliate of the Institute for Food Safety and Food Security (IFSS) at ISU.  
Provide presentations to classes around campus when called upon, e.g., Hort 496 Study Abroad, March 21, 2011.

**Service in Profession:**

*Association Committees:*

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Member, AAEA Fellows Selection Committee, 2017-present.

Member, Western Agricultural Economics Association Distinguished Scholars Committee, 2011 and 2012.

Member, Outstanding Master's Thesis Committee, American Agricultural Economics Association, 2006, 2007, 2008 and 2009.

Chair, Outstanding Published Research Award Committee, Western Agricultural Economics Association, 2005-2006 year.

Member, American Agricultural Economics Association Quality of Research Discovery Award Committee, 1999-2002.

*Editorial:*

Advisory Board Member, Agricultural Policy Review, CARD policy publication  
[https://www.card.iastate.edu/ag\\_policy\\_review/](https://www.card.iastate.edu/ag_policy_review/), 2021-.

Editorial Board Member, Land, <https://www.mdpi.com/journal/land>, 2020-2022 term.

Co-Editor (one among four), American Journal of Agricultural Economics, 2011-2014 term (volumes 93, 94, 95, 96).

Proceedings Issue Editor, American Journal of Agricultural Economics, 2011-2014.

Associate Editor, American Journal of Agricultural Economics, 2002-2005.

Associate Editor, Journal of Agricultural & Food Industrial Organization, 2007- .

Editorial Council, Journal of Agricultural and Resource Economics, 2001-2004.

*Panelist, Workshop Participation and Discussant:*

Panel participant and discussant, Actuarial Research Virtual Conference Session on "Agricultural Insurance," Organizer Colin Ramsay, Moderator Cory Walters, August 12, 2020.

Session discussant at meetings, including AAEA Selected Paper session. "Regulatory Technology Policies- A Real Option View," 2016 AAEA Annual Meeting, Boston, MA, July 28-August 2.

Panel participant and session discussant, OECD-Cooperative Research Program Conference "Livestock Disease Policies: Building Bridges between Animal Sciences and Economics", Paris, France, 3-4 June, 2013.

Panel participant, symposium session *Navigating Journal Writing – Advice for New and Experienced Writers*, AAEA annual meetings, Pittsburgh, PA. July 24-26, 2011.

Panel participant, symposium session *Navigating Article Writing and the Publishing Process*, AAEA annual meetings, Denver, CO. July 25-27, 2010.

Panel participant, symposium session *Student Advisor Match: Path to a Successful Career*, AAEA & ACCI joint annual meeting, Milwaukee, Wisconsin, July 26-28, 2009.

Panel participant, symposium session *Agricultural Biosecurity Toward a Secure Global Economy and Public Health*, Annual Meetings of the American Association for the Advancement of Science, San Francisco CA, February 15-19, 2007.

Participant, Workshop on Approaches to Predictive Modeling to Support a Framework to Prioritize Opportunities to Reduce Food Safety Risk, Ames, IA June 15-16, 2004.

*Consultancy, unpaid and paid:*

Unpaid advice to K•COE ISOM, Sheridan Wyoming, on Grassland protection strategies (Brad Mohrmann, contact) October 2016.

Scientific Advisor, proposed INRA (French National Institute for Agricultural Research) project "ENZOOTICS: Controlling endemic livestock infectious diseases – insights from multiscale models integrating biological and economic processes." Submitted for consideration as Consolidator Grant by European Research Council, February 2016. Pauline Ezanno, PI.

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Consultant, Food and Agriculture Organization, 2004.

Informal consultant to Deere & Company, December 2009.

Informal consultant to *Ducks Unlimited* regarding the effects of crop insurance subsidies on the cropping of marginal lands, February 2010.

Assisted in identifying expert witnesses on economic damages from herbicide use for U.S. Department of Justice Environmental Torts Section, June 2010.

*Surveys:*

Participant in Apollo Academic online Surveys regarding scientific consensus on agriculture and the food supply. One survey covered U.S. agricultural production and the other covered retail food supply and human health, July-August 2022.

Designated Select Paper Comment provider at 2019 AAEA Annual Meeting, Atlanta, July 23.

Respondent to European Union Mobility Patterns and Career Paths of EU Researchers (MORE) project survey, January 2010 and September 2012.

Respondent to U.S. Senate Budget Committee survey on Wyden-Gregg "Bipartisan Tax Fairness and Simplification Act of 2010." March 2010.

Letter writer for Canadian Studies Grants, 2009-2010.

Participant in Dr. Peter Stoett's (Concordia University) *Survey on the Need for and Challenges of an International Convention on Bioinvasion*, October 2009.

Participant in Indiana University/ABG study on Grower Profitability, 2008.

*Organizational:*

Scientific Committee Member for International Congress on *Modeling in Animal Health*, organized by INRA, France, June 14-16 2017, Nantes.

Topic Leader for American Agricultural Economics Association Annual Meetings: Tampa FL, 2000, and Montreal, Canada, 2003.

Session moderator on numerous occasions at meetings, including AAEA Selected Paper session. "Risk in Changing Landscapes: Climate Change, Transition to Organics, and Land Conversion," 2013 AAEA Annual Meeting, Washington, DC, August 5.

Designated Select Paper Comment provider at 2019 AAEA Annual Meeting, Atlanta, July 23.

*Recommendations:*

Letter writer for many petitions for Immigration Status (Permanent Residency) National Interest Waiver.

Wrote supportive comments on 16 nominations for AAEA Fellow, through 2023.

Letter of Support, Distinguished Professorship at North Carolina State University.

Letters of support for Publication Quality Award nominations for various national and international awards.

**Institutional Reviews:**

Peer Review Panelist for Five-year review of USDA Economic Research Service's *Farm and Rural Performance and Policy Program*. Panel convened December 10-12, 2017, Washington DC.

**External Evaluator Activities:**

Reviewer, National Science Foundation Graduate Research Fellowship Program (GRFP) Application for Funds, 2024. Virtual meeting, January 2024 for "Decision Making and Risk Analysis; Economics" panel applicants.



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Reviewer for Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant program, 2022-2023.

Reviewer for Professional Master in Desert Locust Management & Control Program, Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia, March 2022.

Reviewer for Switzerland's National Science Foundation, National Research Council, 2021-2022 and 2022-2023.

Reviewer, Sustainable Agricultural Systems Program (SAS) of the National Institute of Food and Agriculture (NIFA). 2/27/2020.

Reviewer, Alternative Crop Production and Protection (CPA) project for FAST, "Faciliter l'Action Publique pour Sortir des Pesticides" Project for INRA, France. 2/7/2020.

Reviewer, Research Grant Proposal, Beijing Normal University-Hong Kong Baptist University United International College (UIC), 2019.

Reviewer, Economic Research Report Series, Economic Research Service, U.S. Department of Agriculture, 2018.

Peer Review Panelist for Climate Variability and Land Use Change Request for Proposals by USDA NIFA, Institute of Bioenergy, Climate and the Environment (IBCE). Panel convened February 21-23, 2017, Washington DC.

Reviewer, USDA NIFA Grant Proposals under the Economics, Markets and Trade title, October 2016.

Reviewer, Economic Research Report Series, Economic Research Service, U.S. Department of Agriculture, 2016.

Reviewer for Social Sciences and Humanities Research Council of Canada (SSHRC), 2010.

Reviewer for Deutsche Forschungsgemeinschaft (German Research Foundation), 2007.

External reviewer of USDA, ERS economist for possible position grade re-classification, 2023.

External reviewer of USDA, ERS economist for possible position grade re-classification, 2017.

External reviewer of USDA, ERS economist for possible position grade re-classification, 2009.

External reviewer of USDA, ERS economist for periodic performance assessment, 2005.

External Evaluator, Ph.D thesis at University of Kiel, (Marco Bertaglia, 2004).

Reviewer, USDA publication series, Economic Research Service, U.S. Department of Agriculture, 2004.

Reviewer, National Science Foundation Application for Funds, 2004.

Reviewer, Program of Research on the Economic of Invasive Species Management (PREISM), Economic Research Service, U.S. Department of Agriculture, 2003 and 2007.

Reviewer, National Research Initiative, competitive grants program, 2000 and 2002.

Evaluator, hiring decision for Professor and Center Director, University of California, Irvine.

Evaluator, contract renewal decision, University of Vermont.

Evaluator, promotion/tenure decisions at  
University College Dublin (2), University of Georgia (2), Cornell University (2), Sanford School of Public Policy at Duke University, The Ohio State University (2), Arizona State University (2), University of Wisconsin, Sultan Qaboos University (Oman), Texas A&M University (2), University of Minnesota, Washington State University, University of Wyoming, Montana State University, University of Florida, Purdue University (2), Indraprastha Institute of Information Technology (IIIT)-Delhi, School of Environment, Resources and Development (SERD) at the Asian Institute of Technology, Thailand.

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**Service as Journal and Presentation Submission Reviewer and Referee**

Agriculture, Agricultural Economics (many), Agribusiness: An International Journal (many), Agricultural & Resource Economics Review (plural), Agronomy Journal, American Journal of Agricultural Economics (many), Antibiotics, Australian Journal of Agricultural & Resource Economics (plural), B.E. Journal of Economic Analysis & Policy (BEJEAP), B.E. Journal of Theoretical Economics (BEJTE), Bulletin of Economic Research, Canadian Journal of Agricultural Economics (many), Cell Reports Sustainability, China Agricultural Economic Review, Ecological Economics (plural), Ecological Indicators, Econometrics, Economica (plural), Economic Theory (plural), Economics Bulletin, Entropy, Environmental Research Letters (many), Environmental & Resource Economics (EARE, plural), European Journal of Health Economics, European Review of Agricultural Economics (many), Food Policy (many), Geneva Risk & Insurance Review, International Journal of Business & Economics, International Journal of Industrial Organization (plural), International Review of Economics & Finance, Journal of Agribusiness (plural), Journal of Agricultural Economics (many), Journal of Agricultural & Applied Economics (plural), Journal of Agricultural & Food Industrial Organization (many), Journal of Agricultural & Resource Economics (many), Journal of the American Statistical Association, Journal of the Association of Environmental & Resource Economists, Journal of Dairy Science (plural), Journal of Development Economics, Journal of Economic Education (plural), Journal of Economic Dynamics & Control (plural), Journal of Economics (plural), Journal of Environmental Economics & Management (many), Journal of Environmental Management, Journal of Institutional & Theoretical Economics, Journal of Mathematical Economics (plural), Journal of Production Agriculture, Journal of Productivity Analysis, Journal of Public Economic Theory, Land Economics (many), Lifetime Data Analysis, Mathematical Finance (plural), Nature Food (plural), Nature Sustainability (plural), Nova Economia, Operations Research Letters, Precision Agriculture, PLOS-One (plural), Preventive Veterinary Medicine (plural), Proceedings of the Royal Society B, Public Finance Review, Quantitative Finance, Resource & Energy Economics, Review of Agricultural Economics (plural), Review of International Economics, Review of Industrial Organization (plural), Risk Analysis (plural), Royal Society Open Science, Scottish Journal of Political Economy, The Lancet Planetary Health, Veterinary Research, World Mycotoxin Journal (plural)

Book Chapter for “Managing Risk in Agriculture: A Development Perspective.” Ashish Mishra, Subal Kumbhakar, & Gudbrand Lien, eds., CABI, 2023.

Paper submitted for presentation at the meetings of the *XV Congress of the European Association of Agricultural Economics Congress*, convened in Parma, Aug. 29 – Sept. 1, 2017.

Papers submitted for presentation at the meetings of the *International Association of Agricultural Economists*

Papers submitted for presentation at the meetings of the *American Agricultural Economics Association*, 1995-2004 and 2007-09.

Papers submitted for presentation at the meetings of the *Western Agricultural Economics Association*

**Grant Funding Submitted and Received**

(Pending)

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*(In Review)*

Lu, Chaoqun, Guan, Yong, Wright, Mark Mba, Feng, Hongli, Castellano, Michael, Hennessy, D.A., Licht, Mark. “Revolutionizing Agricultural Data Management and Utilization through a Blockchain-enabled “Information to Decision to Action” Platform.” Presidential Interdisciplinary Research Initiative (PIRI), Internal, \$749,000. Invited for second round. Submitted, 3/23/2022. Project Period 6/1/2022-5/31/2025.

*(Received)*

Hennessy, D.A. “Growing Gap: Unveiling the Discrepancy between Rising Farmers’ Input Costs and Lagging Commodity Prices.” USDA Cooperative Agreement, \$50,000, October 1, 2023 to September 30, 2024.

Du, Xiaodong, Wu, Felicia, Yu, Cindy, Hennessy, D.A. “Understanding the Meat Supply Chain Network: The Impact of Supply Disruptions on Food Insecurity and Nutritional Inequality.” USDA NIFA Grants Program, \$649,000 of which \$129,000 to ISU. Project period: 07/01/2023 – 06/30/2027.

(Internal) Hennessy, D.A. (PI), & H. Feng. “Private and Collective Agricultural Returns on Drainage Investments in Upper Midwest.” Grant obtained from Center for Agriculture & Rural Development, to fund one graduate student for a semester, 2023.

(Internal) Feng, H. (PI), & Hennessy, D.A. “How will PACE affect corn growers’ split N application decisions: an assessment of the economic and environmental outcomes of existing and new incentive programs.” Grant obtained from Center for Agriculture & Rural Development, to fund one graduate student for a semester, 2022-2023.

Dong, Liang, Castellano, Michael, Feng, H., Lechtenberg, Matt, Tan Xiaobo, Hennessy, D.A. (I am Senior Personnel, not co-PI), Archontoulis, Sotirios, Ganapathysubramanian, Baskar, & Comito, Jacqueline. “Connecting Farming Communities for Sustainable Crop Production and Environment Using Smart Agricultural Drainage Systems.” Award Number (FAIN) 2125484. National Science Foundation, Smart and Connected Communities Planning Grants (SCC-PG), \$1,750,000. Project Period 10/1/2021-9/30/2025.

Du, Xiaodong, & Hennessy, D.A. “Sustainability and Risk Management of Meat Supply Chains in a COVID-19 World.” Cross-Border Thread Screening, Dept. of Homeland Security Grant Program, \$17,668. Subcontract from Univ. Wisconsin. Project Period 7/1/2021-6/30/2022.

Feng, Hongli, Hennessy, D.A., Regenwetter, Michel, Shupp, Robert, & Ifft, Jennifer. “Crop Insurance policy design and program participation: Conceptual and empirical analyses with economic and psychological decision paradigms.” USDA NIFA Grants Program, \$499,000. Project period: 1/21/2021 – 1/30/2024.

Wu, Felicia, Hennessy, D.A., Munkvold, G. “Aflatoxin Reduced By Bt Corn? Examining Crop Insurance Claims For Real World Impacts Of Technologies For Food Safety.” USDA AFRI Grants Program, \$478,000. Project period: 4/5/2020 – 4/4/2023.

Lindsey, L., Singh, M., Black, J.R., Hennessy, D.A., Lindsey, A. “Just Because Farmers Can, Should They? Research-Based Interactive Learning Modules for Informed Agronomic and Economic Decisions Regarding Variable Seeding Rate Technology.” USDA AFRI Competitive Grant Program, Critical Agricultural Research and Extension Area, \$297,236, of which \$44,719 to Michigan State University.

Wang, Tong, H. Feng, D.A. Hennessy, Srinivasulu Ale, Jongyoon Park. “Saving grassland of the Great Plains: Is management intensive grazing (MIG) a socioeconomically viable option?” USDA NIFA, \$219,202 to Michigan State University, March 2017- Feb. 2020.

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- Hennessy, D.A., Feng, H., Blankenship, Kevin L. “Exploring a New Paradigm For Understanding Farmers’ Crop Insurance Decisions: Integrating Economic, Psychological, and Farmer Perspectives.” USDA National Institute of Food and Agriculture in Exploratory Program Area (A1801), \$99,370, 2016-2017.
- Moschini, G., Hennessy, D.A. “Economics and Management of Agricultural Innovations: Biotechnology and information.” USDA National Institute of Food and Agriculture, competitive grants program for National Needs Fellows, \$159,000, 2015-2019.
- Hennessy, D.A., Anderson, C.J., Feng, H., Wolter, P.T. “Understanding dynamics of land use switching with satellite and field level data in context of climate variability.” North Central Climate Science Center, U.S. Geological Survey 2015, \$292,008 requested, 2015-2017.
- Moschini, G., Ciliberto, F., Hennessy, D.A. “Imperfect competition in the agrochemical & seed industry: innovation, pricing of inputs, and welfare in the U.S. maize and soybean markets.” USDA National Institute of Food and Agriculture, competitive grants program, about \$245,131, 2015-2016.
- Wolter, P.T., Feng, H., Hennessy, D.A. “Characterizing and Comprehending Land Use Change in the Loess Hills Region.” Grant obtained from Center for Agriculture and Rural Development, \$24,972, 2013-2014.
- Hennessy, D.A., Feng, H., Janssen, L., Akyüz, A., Du, X., Wimberly, M., Wolter, P. “Adaptation of agroecosystems to climate change at the edge of the U.S. Cornbelt—assessing different drivers in a spatially explicit network of infrastructure.” Agriculture and Food Research Initiative Competitive Grants Program, Agriculture and Natural Resources Science for Climate Variability and Change, \$550,000, February 2014-January 2017.
- Kling, C.L., Babcock, B.A., Hayes, D.J., Hennessy, D.A., Jensen, H.H., Moschini, G., Otto, D.M., Carriquiry, M., Elobeid, A.E., Fabiosa, J.F., Gassman, P.W. “A Policy Research Center Proposal: The Center for Agricultural and Rural Development at Iowa State University.” National Institute of Food and Agriculture, \$768,000, 2012-2014.
- Hennessy, D.A. “Federal Insurance Payments and Land Conversion: Impacts Estimation and Alternative Policy Design.” Ducks Unlimited, \$124,288, June 2010 to December 2012.
- Hennessy, D.A. “Economic Value of Information: Wheat and Barley Protein Measurement.” Deere & Co., \$28,000, May 2010 to November 2010.
- Jensen, Helen H., D.A. Hennessy, & Fengxia Dong. “Incentives and Structure in Determining Milk Quality and Safety Attributes.” USDA Cooperative Agreement, \$37,043, October 2009 to September 2010.
- Jensen, Helen H., & D.A. Hennessy. “Incentives and the Provision of Food Safety in Pork Production.” USDA Cooperative Agreement, \$27,406, May 2006 to September 2008.
- Hennessy, D.A., & Helen H. Jensen. “Systemic Risk and the Failure of Incentives in Food Systems.” USDA National Research Initiative, competitive grants program, \$75,000, 2002-2004.
- Hennessy, D.A. “Gaining Control in Animal Agriculture.” Sub-contract from Center for Agricultural Research and Development, \$22,000, 2002-2003.
- Hennessy, D.A., & Dermot J. Hayes. “Competition, Innovation, Market Access, and Welfare in Agri-Input Markets.” National Research Initiative, competitive grants program, \$85,000, 2000-2002.
- Daniels, Catherine, & D.A. Hennessy. “Establishing Confidence in Expert Opinion in Pesticide Benefit Assessments.” Contract from the United States Department of Agriculture PIAP

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- Division, \$14,000, 1995-1998.
- Stockle, Claudio, D.A. Hennessy, Douglas L. Young, & Walter R. Butcher. "Computer-Assisted Evaluation of Productivity and Environmental Impact of Farming Practices: A Risk Assessment Approach for Sustainable Agriculture." STEEP II program, \$21,000, 1994-1996.
- Hennessy, D.A. "A Farm-Level Assessment of the Impact of Revenue Assurance Contracts on Producer Welfare and Government Costs." Subcontract from Iowa State University, \$13,225, 1995-1996.
- Hennessy, D.A. "Evaluation of a Nitrate Sensing Applicator for Fertilizer." Subcontract from Iowa State University, \$2,000, 1995.
- Daniels, Catherine, Jay F. Brunner, D.A. Hennessy, Vicki A. McCracken, David Rosenberger, & Jeff Derr. "Biologic and Economic Assessment of the Use of Pesticides on United States Apples." Contract from the United States Department of Agriculture, \$50,000, 1995-1999.  
*(Recent, Unfunded)*
- Du, Xiaodong, Wu, Felicia, Yu, Cindy, Hennessy, D.A. "Understanding the Meat Supply Chain Network: The Impact of Supply Disruptions on Food Insecurity and Nutritional Inequality." USDA NIFA Grants Program, \$649,000 of which \$129,000 to ISU. Project period: 07/01/2022 – 06/30/2026.
- Lu, Chaoqun, Guan, Yong, Wright, Mark Mba, Feng, Hongli, Ye, Xinyue, Hennessy, D.A. "GCR: Collaborative Research: Blockchain-enabled 'Information to Decision to Action' platform for sustainable agricultural nitrogen management." Project period: 08/01/2021 – 07/31/2026.
- Wu, Felicia, Hennessy, D.A., Malone, D. Trey, Schaefer, K. Aleks, and L. Zhang. "Computational Modeling of Public Health Interventions to Protect Meatpackers." NIH Program, \$1,502,466. Project period: 02/01/2021 – 01/31/2025.
- Wu, Felicia, Hennessy, D.A., Andresen, J., and T. Isakeit. "Climate Change and Aflatoxin in US Corn: Finding Biotechnology Solutions." USDA BRAG Grants Program, \$454,408.80. Project period: 1/21/2021 – 1/30/2025.
- Wu, Felicia, Hennessy, D.A., Malone, D. Trey, Schaefer, K. Aleks, and L. Zhang. "Optimizing Worker Safety and Food Security During A Pandemic: Integrated Models of US Meat Supply Chains And Infectious Disease." USDA NIFA Program, \$991,236.56. Project period: 7/01/2020 – 6/30/2022.
- Lu, Chaoqun, Al-Kaisi, Mahdi, Hennessy, D.A., Feng, H. "Towards Sustainable Agroecosystems Under Environmental Stressors: Assessment and Prediction with a Coupled Ecological-Economic Modeling Platform." USDA AFRI Grants Program, \$499,000 requested of which \$200,000 to MSU. Submitted 8/8/2019.
- Malone, Trey (PD), Myers, R.J. (Co-PD), Hennessy, D.A. (Co-PD), Wolf, C.A. (Co-PD) "Training future generations to incorporate behavioral insights into agricultural management and economics." USDA National Institute of Food and Agriculture, competitive grants program for National Needs Fellows, \$238,500, 2019-2024.
- Singh, M., Black, J.R., Hennessy, D.A., Anderson, E., Battel, R. "Agronomic and economic consequences of variable rate seeding in corn and soybean production." State of Michigan Project GREEN Competitive Grant Program, \$78,273 requested. Submitted 1/8/2018.
- Lu, Chaoqun, Al-Kaisi, M., Arritt, R., Feng, H., Hennessy, D.A. "Enhancing Agroecosystem Resilience In A Changing Climate: Coupling Of Climate-Human-Ecosystem In The U.S. Western Corn Belt." USDA AFRI Competitive Grant Program, Resilient Agroecosystems in a Changing Climate Challenge Area, \$1,200,000 requested. Submitted 6/13/2017.

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- Wu, Felicia, D.A. Hennessy, Gary Munkvold, & GianCarlo Moschini. “Does Bt Corn Planting Reduce Aflatoxin-Related Crop Insurance Claims?” USDA NIFA, \$500,000.
- Hennessy, D.A., Wolter, P.T., Feng, H. “Understanding land use switches and their drivers using satellite and field level data in the Loess Hills region.” Pre-proposal submission to Leopold Center, Iowa State University annual call for proposals, \$70,000 requested. Submitted 7/8/2014.
- Hennessy, D.A., Feng, H., Janssen, L., Dell, R. “Assess the impacts of climate change and adaptation of crop agriculture and grassland use in South Dakota.” North Central Region-Sustainable Agriculture Research and Education, \$197,890, Submitted 11/6/2012, denied March 2013.

### Refereed Journal Articles

- Jia, Yanan, D.A. Hennessy, & H. Feng. “Economics of Informed Antibiotic Management and Judicious Use Policies in Animal Agriculture.” Forthcoming at *Environmental & Resource Economics*.
- Zhao, Yue, Hennessy, D.A., Lindsey, L., Singh, M., & Lindsey, A. “Information Conveyed by Management Zones and Optimal Soybean Seeding Rate.” *Agronomy Journal*, 116(1, 2024), 289-301: DOI: <https://doi.org/10.1002/agj2.21509>
- [150] Zhang, Jien, Lu, C., Yi, B., Calderon, I., Feng, H., Miao, R., Hennessy, D.A., Pan, S., & H. Tian. “Riverine nitrogen footprint of agriculture in the Mississippi-Atchafalaya River Basin: Do we trade water quality for crop production?” *Environmental Research Letters*, 18(11, 2023), 114043, DOI 10.1088/1748-9326/ad0128.
- Pokharel, Ashish, Wu, F., & D.A. Hennessy. “Health burden associated with tillage-related PM2.5 pollution in the United States, and mitigation strategies.” *Science of the Total Environment*, 903(10 December 2023), 166161, DOI: <https://doi.org/10.1016/j.scitotenv.2023.166161>
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- Zhao\*, Yue, D.A. Hennessy, Laura Lindsey, Alex Lindsey, & Maninderpal Singh. “Information Conveyed by Management Zones and Optimal Soybean Seeding Rate.” Lightning Session Paper presented at 2022 AAEA Annual Meeting, Anaheim, Jul. 31 – Aug. 2, 2022.
- Ye\*, Ziwei, D.A. Hennessy, F. Wu, C. Krupke, & C. Difonzo. “The Game of Corn Rootworm Control with Bt Crops: Area suppression, resistance dynamics, and managing countervailing externalities in the biological commons.” Select Paper presented at 2022 AAEA Annual Meeting, Anaheim, Jul. 31 – Aug. 2, 2022.
- Che\*, YuYuan, H. Feng, D.A. Hennessy, & Crystal Lu. “Evidence on the Private-Excess Fertilization Hypothesis.” Selected paper presented at Association of Environmental & Resource Economists (AERE) Annual Meetings, Miami, June 1-3, 2022.
- Che\*, YuYuan, H. Feng, & D.A. Hennessy. “Irrationality of Recency Effects on U.S. Crop Insurance Program Participation.” Selected paper presented at SCC-76 annual meetings, Kansas City, April 7-9, 2022.
- Lu\*, Pin, D.A. Hennessy, & H. Feng. “Crop Insurance Rate Making, Land Quality and Adverse Selection.” Selected paper presented at SCC-76 annual meetings, Kansas City, April 7-9, 2022.
- Du, X.\*, & D.A. Hennessy. “Sustainability and Risk Management of Meat Supply Chains in a COVID-19 World.” NBER Conference The Rise of Global Supply Chains, Fall 2021, December 10, 2021.
- Che, Yuyuan\*, H. Feng, & D.A. Hennessy. “Assessing Peer Effects and Subsidy Impacts in Technology Adoption: Application to Grazing Management Choices.” Selected paper presented at the Association of Environmental and Resource Economists @ Midwest Economics Association Annual Conference, Minneapolis, March 25-27, 2022.
- Feng, H.\*, Pin Lu, & D.A. Hennessy. “Extensive and Intensive Margins of Irrigation Water Demand in the Great Lakes Region.” Selected paper presented at the Association of Environmental and Resource Economists @ Midwest Economics Association Annual Conference, Minneapolis, March 25-27, 2022.
- Miao, Ruiqing\*, H. Feng, D.A. Hennessy, & G. Arora. “Grassland Easement Acquisition: Conversion Hazard Rate, Additionality, and Spatial Spillover.” Invited Paper presented at the Allied Social Science Associations (ASSA) Annual Meetings, Boston, January 7-9, 2022.
- Lu, Pin\*, H. Feng & D.A. Hennessy. “Basis Risk and Farmers’ participation in the U.S. Federal Crop insurance Program: A Conceptual Framework and its Application.” Selected paper presented at the NC-1177 (Multi-state Research Project on Agricultural and Rural Finance Markets in Transition) Annual Meetings held virtually (online), October 6-7, 2021.
- Che, Yuyuan\*, H. Feng & D.A. Hennessy. “Assessing Peer Effects and Subsidy Impacts in Technology Adoption: Application to Grazing Management Choices with Farm Survey Data.” Selected paper presented at 31st International Conference of Agricultural Economists (ICAE), held virtually (online), August 30, 2021.
- Ye, Ziwei, F. Wu\*, & D.A. Hennessy. “Can Transgenic Bt Corn Reduce Aflatoxin Risk? Evidence from United States Crop Insurance Claims.” Invited pre-recorded presentation and live discussion at IUPAC CCCE 2021 - 48th World Chemistry Congress of International Union of Pure & Applied Chemistry & 104th Canadian Chemistry Conference & Exhibition, held

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virtually, August 20, 2021.

- Lu, Pin, H. Feng\*, & D.A. Hennessy. "Basis risk and farmers' participation in the U.S. federal crop insurance program: a conceptual framework and its application." Invited paper for 20 minute presentation at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Lu, Pin\*, H. Feng, & D.A. Hennessy. "Extensive and intensive margins of irrigation water demand in the Great Lakes Region." Selected paper for 20 minute presentation at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Lee, Seowoo\*, H. Feng, & D.A. Hennessy. "How Beliefs about Climate Change Adapt? An Assessment with a Natural Experiment." Selected paper for 20 minute presentation at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Bulut, Harun\*, & D.A. Hennessy. "Estimating Elasticities via Market Share Impacts for Crop Insurance Coverage Options." Selected paper for 20 minute presentation at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Gong, Xuche\*, D.A. Hennessy, & H. Feng. "Effects of Area and Index Insurance on Production Practice Adoption: A Critique." Selected paper for 20 minute presentation at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Che, Yuyuan\*, D.A. Hennessy, & H. Feng. "Plant Architecture and Seeding Rate Responses to Markets, Resources and Technologies." Selected paper for 20 minute presentation at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Che, Yuyuan\*, H. Feng, & D.A. Hennessy. "Rationality of Recency Effects on U.S. Crop Insurance Program Participation." Selected paper for 20 minute presentation at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Du, X.\*, D.A. Hennessy, & H. Feng. "Implications of WTP-AFP Discrepancy, Premium Subsidy Reduction and Program Changes in U.S. Crop Insurance." Selected paper for Lightning Session presentation at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Che, Yuyuan\*, H. Feng, & D.A. Hennessy. "Assessing Peer Effects and Subsidy Impacts in Technology Adoption: Application to Grazing Practice Choices with Farm Survey Data." Selected paper for Lightning Session presentation at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Che, Yuyuan\*, H. Feng, & D.A. Hennessy. "Grazing Practice Choices, Capital Constraints, and the Environment." Selected paper for Lightning Session presentation at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Jia, Yanan\*, D.A. Hennessy, & H. Feng. "Bt Corn, Insecticide Use, and Resistance Time Trend in the US." Selected paper presented in a Lightning session at AAEA Annual Meeting, Austin, TX, Aug. 1-3, 2021.
- Feng\*, H., Yanan Jia, & D.A. Hennessy. "Assessing the Efficiency of Veterinary Feed Directive in Reducing Antibiotics Use." Selected paper presented at the AERE Summer Conference, (virtual), 2-4 June, 2021.
- Jia, Yanan, D.A. Hennessy, H. Feng, & Ángel Abuelo. "Will tests lead to more informed antibiotics use? An application in veterinarian diagnostic decisions." Selected paper presented at the AERE Summer Conference, (virtual), 2-4 June, 2021.
- Hennessy, D.A., H. Feng, S. Ale, A., U. Kreuter, R. Teague, & T. Wang. "Rotational grazing management practices: an assessment of economic and environmental outcomes and explanations for low adoption rates." Selected paper presented at 76th Soil & Water Conservation Society International Annual Conference, Virtual, July 26-28, 2021.

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- Arora, Gaurav\*, H. Feng & D.A. Hennessy. "Past and future local weather: Farmers' perceptions and their roles in land use decisions." Selected paper presented at 76th Soil & Water Conservation Society International Annual Conference, Virtual, July 26-28, 2021.
- Che, Yuyuan\*, H. Feng & D.A. Hennessy. "Evidence on the private-excess fertilization hypothesis." Selected paper presented at 76th Soil & Water Conservation Society International Annual Conference, Virtual, July 26-28, 2021.
- Arora, G\*, H. Feng & D.A. Hennessy. "Past and future local weather: Farmers' perceptions and their roles in land use decisions." Selected paper presented at Midwest Economic Association meetings, (Virtual), March 24, 2021.
- Jia, Yanan\*, H. Feng & D.A. Hennessy. "Bayesian information processing & livestock sector antibiotics administration." Selected paper presented at AAEA annual meetings, Kansas City (Virtual), August 10-11, 2020.
- Ye, Ziwei\*, F. Wu & D.A. Hennessy. "Environmental and economic concerns surrounding restrictions on glyphosate use in corn." Selected paper presented at AAEA annual meetings, Kansas City (Virtual), August 10-11, 2020.
- Wu, Felicia\*, Yu, J., Hennessy, D.A., and Vivian Chiang. "Does Bt Corn Planting Reduce Aflatoxin? Evidence from Crop Insurance Claims in the United States." Invited paper presented at Entomology 2020, Entomological Society of America's annual meetings, virtual, November 16-19, 2020.
- Perry, E., G. Moschini, & D.A. Hennessy. "Uncertainty and Learning in a Technologically Dynamic Industry: Seed Density in U.S. Maize." Accepted for presentation at the XVI EAAE Congress, Prague, 20-23 July 2021.
- Miao\*, Ruiqing, H. Feng, D.A. Hennessy, G. Arora, & C.R. Loesch. "Grassland Easement Acquisition: Conversion Hazard Rate, Additionality, and Spatial Spillover." Selected paper presented at 2020 AERE Summer Conference, Miami, FL (but online due to Covid-19), June 4-5, 2020.
- Bulut\*, Harun, & D.A. Hennessy. "Estimating Elasticities Via Market Share Impacts for the Crop Insurance Coverage Options." Selected paper presented at SCC-76 annual meetings, Kansas City, April 2-4, 2020.
- Hennessy, D.A. "Toward Economic Foundations of Supply and Demand for Automation in Production Agriculture." Invited Paper presented at the Allied Social Science Associations (ASSA) Annual Meetings, San Diego, CA, January 4, 2020.
- Wang\*, Tong, D.A. Hennessy, H. Feng, W.R. Teague, U. Kreuter, & Y. Che. "Challenges for rotational grazing practice: Views from non-adopters across U.S. Great Plains." Selected paper presented at Southern Economic Association annual meetings, Fort Lauderdale, FL, November 23, 2019.
- Arora\*, Gaurav, H. Feng & D.A. Hennessy. "Past and future weather: Farmers' perceptions and their roles in land use decisions." Selected paper presented at AAEA annual meetings, Atlanta, GA, July 21-23, 2019.
- Miao\*, Ruiqing, D.A. Hennessy, H. Feng, & G. Arora. "Grassland Easement Acquisition: Conversion Hazard Rate and Spatial Spillover." Selected paper presented at AAEA annual meetings, Atlanta, GA, July 21-23, 2019.
- Du\*, Xiaodong, H. Feng & D.A. Hennessy. "WTP biases and depressed demand for higher coverage crop insurance contracts." Selected paper presented at AAEA annual meetings, Atlanta, GA, July 21-23, 2019.

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- Ye, Ziwei\*, Felicia Wu & D.A. Hennessy. “Testing for substitutability: Glyphosate and Other Herbicides in U.S. Maize.” Selected paper presented at IFAMA annual meetings, Hangzhou, PRC, June 22-27, 2019.
- Yu\*, Jina, D.A. Hennessy, & F. Wu. “The Impact of Climate Change on Aflatoxin Contamination in US Corn.” Selected paper presented at 23rd ICABR (Int. Consort. Appl. Bioecon. Resear.) Conference *Regulation & Finance of Innovations for a Sustainable Economy*, Ravello, Italy,| June 4-7, 2019.
- VanDeynze, Braeden, S.M. Swinton\*, & D.A. Hennessy. “How are U.S. Soybean Farmers Responding to Glyphosate-Resistant Weeds, and What Are the Environmental Consequences?” Selected paper presented at 23rd ICABR Conference *Regulation & Finance of Innovations for a Sustainable Economy*, Ravello, Italy,| June 4, 2019.
- Gong\*, Xuche, D.A. Hennessy, & H. Feng. “Roles of Systemic Risk and Premium Subsidies in Choice between Area and Individual Insurance Contracts.” Selected paper presented at SCC-76 annual meetings, Kansas City, April 4-6, 2019.
- Che\*, YuYuan, H. Feng, & D.A. Hennessy. “Recent Events and Participation in U.S. Federal Crop Insurance Programs.” Selected paper presented at SCC-76 annual meetings, Kansas City, April 4-6, 2019.
- Jia, Yanan, Hongli Feng & D.A. Hennessy\*. “Alternative to Managing Antibiotics Demand in Dairying.” Selected paper presented at the One Health and Food Safety conference, Bonn, Germany, September 18-19, 2018.
- Hennessy\*, D.A., Jia, Yanan & Hongli Feng. “Toward Understanding On-Farm Demand for Antibiotics.” ERS & Farm Foundation Workshop on Challenges to Changing Antibiotic Use in Food Animal Production, Thursday, National Press Club, Washington, DC, September 6, 2018.
- Hennessy\*, D.A. “Managing derived demand for antibiotics in animal agriculture.” Selected paper presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- Hennessy\*, D.A. Yanan Jia, & Hongli Feng. “Alternative Approaches to Managing Demand for Antibiotic Treatment in Dairying.” Late Breaker presentation at the One Health and Food Safety 5th International One Health Congress, Saskatoon, Canada, June 22-25, 2018.
- Yu\*, Jina, Felicia Wu, & D.A. Hennessy. “The impact of climate change on aflatoxin contamination in US corn.” Selected paper presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- VanDeynze, Braeden, S.M. Swinton, & D.A. Hennessy. “Estimating the Effects of Glyphosate Resistant Weeds on Farmers’ Tillage Practices.” Selected paper presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- Watten, Asa, D.A. Hennessy, & J. Zhao. “Insurance and American Options in Intra-season Cropping Choices, with Applications.” Selected paper presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- Perry, Ed\*, G. Moschini, & D.A. Hennessy. “Planting rates in U.S. maize: Improved varieties and learning.” Selected paper presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- Doidge, Mary, H. Feng, & D.A. Hennessy. “Farmers’ valuation of changes to crop insurance coverage level – a test of third generation prospect theory.” Selected paper presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- Gong, Xuche, D.A. Hennessy, & H. Feng. “Systemic Risk, Geography and Area Insurance.” Selected paper presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.

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- Perry, Ed\*, D.A. Hennessy, and G. Moschini. "Product Formulation and Glyphosate Application Rates: Confusion or Rational Behavior?" Selected 20 min paper presentation at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- Saak, A.E., & David\* A. Hennessy. "Decentralization and Productivity in Supply Chains." Selected 20 min paper presentation at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- Yu, Jina\*, Felicia Wu, & D.A. Hennessy. "The impact of Bt corn on aflatoxin occurrence." Selected 20 min paper presentation at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- Du, Xiaodong\*, D.A. Hennessy, & H. Feng. "Yield and Acreage Adaptation of US Crops to Climate Changes: Empirical Evidence in Recent Decades." Selected 20 min paper presentation at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- Doidge, Mary\*, H. Feng, & D.A. Hennessy. "Farmers' revenue conditions predictions and land conversion decisions: evidence of the gambler's fallacy." Selected 20 min paper presentation at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- Che, YuYuan\*, H. Feng, & D.A. Hennessy. "The Geography and Psychology of Participation in U.S. Federal Crop Insurance Programs." Selected 20 min paper presentation at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- Feng, Hongli\*, Tong Wang, & D.A. Hennessy. "Perception Biases and Land Use Decisions." Selected paper presented in a Lightning session at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- Doidge, Mary\*, H. Feng, & D.A. Hennessy. "Trade-offs in farmers' crop insurance choices: coverage level vs. premium price." Selected 20 min paper presentation at Canadian Agric. Econ. Soc. Annual Meeting, Montréal, Quebec, June 18-21, 2017.
- Hennessy\*, D.A. "Broadening the Role and Relevance of Economics in Farmed Animal Health Management." Keynote speaker presentation at International Congress on *Modeling in Animal Health*, organized by INRA, France, June 14-16, 2017, Nantes, France.
- Miao, Ruiqing\*, Hongli Feng, & D.A. Hennessy. "Grassland Easement Evaluation and Acquisition: A Stochastic Dynamic Perspective." Selected paper presented at the Association of Environmental and Resource Economics (AERE) Annual Summer Conference in Pittsburgh, PA, May 31-June 2, 2017.
- Hennessy\*, D.A. "Integrating Contagion and Human Behavior into Animal Health Economics." Selected paper presented at the Inaugural International Society for Economics and Social Sciences of Animal Health (ISESSAH) Conference in Aviemore, Scotland, March 27-28, 2017.
- Arora\*, G., H. Feng, D.A. Hennessy, & C.J. Anderson "Evidence of the weather's differential impacts on crop yields and land use change", Selected paper, Research methodology workshop on climate change and agriculture, Institute of Economic Growth, New Delhi, Febr. 6-7, 2017.
- Arora, Gaurav\*, D.A. Hennessy, Hongli Feng, & P.T. Wolter. "Conservation Easement Acquisitions Amidst Localized Spillover Effects in Grassland Conversions: Analysis using Remotely-sensed Data" Econometrics Track Session paper presented at AAEA Annual Meeting, Chicago, IL, July 31-August 1, 2017.
- Hennessy, D.A. PI report on (in place of Peter Wolter) "Adaptation of agroecosystems to climate change at the edge of the U.S. Cornbelt— ... ." Presented at NIFA Climate Change Project Directors Meeting, San Francisco, CA, December 16-18, 2016.



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- Miao, Ruiqing\*, D.A. Hennessy, & Hongli Feng. "Grassland Easement Evaluation: an Integrated Framework." Selected paper presented at Southern Agricultural Economics Association Annual Meeting, Mobile, AL, February 4-7, 2017.
- Arora, Gaurav\*, D.A. Hennessy, Hongli Feng, & P.T. Wolter. "Conservation Easement Acquisitions Amidst Localized Spillover Effects in Grassland Conversions: Analysis using Remotely-sensed Data" Selected paper presented at *Heartland Workshop on Environmental and Resource Economics*, Urbana-Champaign, IL, November 12-13, 2016.
- Feng, Hongli\*, Tong Wang, & D.A. Hennessy. "Perception Biases and Land Use Changes." Selected paper presented at 9<sup>th</sup> Annual MSU/UM/WMU Energy & Environmental Economics Day, MSU East Lansing, MI, August 25, 2016.
- Arora, Gaurav\*, Hongli Feng, D.A. Hennessy, & Christopher J. Anderson. "Crop Competitiveness and Future Climate Change in the Northern Great Plains." Selected paper presented at 9<sup>th</sup> Annual MSU/UM/WMU Energy & Environmental Economics Day, MSU East Lansing, MI, August 25, 2016.
- Miao, Ruiqing\*, D.A. Hennessy, & Hongli Feng. "Grassland Easement Evaluation and Acquisition: A Stochastic Dynamic Perspective." Selected paper presented at AAEA Annual Meeting, Boston, MA, July 31-August 2, 2016.
- Wang, Tong\*, Moses Luri, Larry Janssen, Michael Wimberly, Hongli Feng, & D.A. Hennessy. "Farmers' Rankings of the Determinants of Land Use Decisions at the Margins of the Corn Belt." Selected paper presented at AAEA Annual Meeting, Boston, MA, July 31-August 2, 2016.
- Arora, Gaurav\*, Hongli Feng, D.A. Hennessy, & Christopher J. Anderson. "Crop Competitiveness and Future Climate Change in the Northern Great Plains." Selected paper presented at AAEA Annual Meeting, Boston, MA, July 31-August 2, 2016.
- Arora, Gaurav\*, Hongli Feng, D.A. Hennessy, & Peter T. Wolter. "Strategic Grassland Conversions and Conservation Easement Allocations in the Dakotas: Analysis using Remotely-Sensed Data." Selected paper presented at AAEA Annual Meeting, Boston, MA, July 31-August 2, 2016.
- Feng, Hongli\*, Tong Wang, & D.A. Hennessy. "Perception Biases and Land Use Changes." Invited presentation at China Agricultural University, Beijing; Central University of Finance and Economics, Beijing; and Renmin University, Beijing, June 16-21, 2016.
- Arora\*, G., P.T. Wolter, H. Feng, & D.A. Hennessy "Role of Ethanol Plants in Dakotas' Land Use Change: Incorporating Flexible Trends into the standard DID framework using Remotely Sensed Data.", Selected paper, *11th Annual Conference on Economic Growth and Development*, Indian Statistical Institute, New Delhi, India. December 17-19, 2015.
- Perry, Edward\*, GianCarlo Moschini, & D.A. Hennessy. "Testing for Complementarity: Glyphosate Tolerant Soybeans and Conservation Tillage." Selected paper presented in full session at AAEA Annual Meeting, San Francisco, CA July 26-28, 2015.
- Arora, Gaurav\*, Peter T. Wolter, Hongli Feng, & D.A. Hennessy. "Role of Ethanol Plants in Dakotas' Land Use Change Analysis using Remotely Sensed Data." Selected paper presented in lightening sessions at AAEA Annual Meeting, San Francisco, CA July 26-28, 2015.
- Du, Xiaodong\*, Hongli Feng, & D.A. Hennessy. "Tail Dependence, Copulas and Crop Insurance Rate Setting." Selected paper presented at AAEA Annual Meeting, Minneapolis, MN, July 27-29, 2014.
- Wang, Tong\*, D.A. Hennessy, & Seong C. Park. "Veterinary Supply, Gender and Practice

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- Location Choices in the United States, 1990-2010." Selected paper presented at AAEA Annual Meeting, Minneapolis, MN, July 27-29, 2014.
- Oh, Miyoung, & D.A. Hennessy\*. "Upstream and Downstream Strategic Food Safety Interactions." Selected paper presented at AAEA Annual Meeting, Minneapolis, MN, July 27-29, 2014.
- Miao, Ruiqing, Hongli Feng\*, & D.A. Hennessy. "Incorporating Crop Insurance Subsidies into Conservation Reserve Program Design." Selected paper presented at AAEA Farm Bill Symposium, Louisville, KY, October 8-9, 2013.
- Du\*, Xiaodong, H. Feng, & D.A. Hennessy. "An Analysis of Farmers' Optimal Behavior in Crop Insurance Choices." Selected paper presented at AAEA & CAES Joint Annual Meeting, Washington, DC, August 4-6, 2013.
- Miao\*, Ruiqing, D.A. Hennessy, & Hongli Feng. "Native Grassland Conversion: The Roles of Risk Intervention and Switching Costs." Selected paper presented at AAEA & CAES Joint Annual Meeting, Washington, DC, August 4-6, 2013.
- Dong\*, Fengxia, D.A. Hennessy, & H.H. Jensen. "Size, Productivity and Exit Decisions in Dairy Farms." Selected paper presented at AAEA & CAES Joint Annual Meeting, Washington, DC, August 4-6, 2013.
- Volpe\*, Richard, Timothy A. Park, Helen H. Jensen, & D.A. Hennessy. "Quality Features in Dairy Marketing: A Count Quantile Regression for Somatic Cell Measures." Selected paper presented at AAEA & CAES Joint Annual Meeting, Washington, DC, August 4-6, 2013.
- Miao\*, Ruiqing, & D.A. Hennessy. "To Learn or to Change: R&D Investments Under Uncertainties of Climate Change." Selected paper presented at the Allied Social Science Associations (ASSA) Annual Meeting (AERE Sessions), San Diego, CA, Jan, 4-6, 2013.
- Du\*, Xiaodong, D.A. Hennessy, Cindy Yu, & Ruiqing Miao. "Geography of Skewness." Selected paper presented at AAEA annual meeting, Seattle, WA, August 12-14, 2012.
- Miao\*, Ruiqing, D.A. Hennessy, & Bruce A. Babcock. "To Learn or to Change: R&D Investments Under Uncertainties of Climate Change." Second Annual AERE Summer Conference, Asheville, NC, June 4-5, 2012.
- Wang, Tong, & D.A. Hennessy\*. "Dynamics of a Voluntary Livestock Disease Program." Invited paper presented at CAER-IFPRI Annual Conference, Chengdu, China, October 22-23, 2011.
- Hennessy, D.A., Hongli Feng, & Ruiqing Miao\*. "Land Use Consequences of Crop Insurance Subsidies." Selected paper presented at *Heartland Workshop on Environmental and Resource Economics*, Urbana-Champaign, IL, October 22-23, 2011.
- Feng, Hongli, Ruiqing Miao\*, & D.A. Hennessy. "Land Retirement Program Design and Empirical Assessments in the Presence of Crop Insurance Subsidies." Selected paper presented at *America's Grasslands: Status, Threats, and Opportunities* Conference, American Grasslands, Sioux Falls, SD, August 15-17, 2011.
- Feng, Hongli, Ruiqing Miao\*, & D.A. Hennessy\*. "Land Retirement Program Design and Empirical Assessments in the Presence of Crop Insurance Subsidies." Selected paper presented at AAEA & NAREA joint annual meeting, Pittsburgh, PA, July 24-26, 2011.
- Hennessy\*, D.A., Hongli Feng, & Ruiqing Miao. "Land Use Consequences of Crop Insurance Subsidies." Selected paper presented at AAEA & NAREA joint annual meeting, Pittsburgh, PA, July 24-26, 2011.
- Miao\*, Ruiqing, & D.A. Hennessy. "Economic Value of Information: Wheat Protein Measurement." Selected paper presented at AAEA & NAREA joint annual meeting,

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Pittsburgh, PA, July 24-26, 2011.

Wang\*, Tong, & D.A. Hennessy. "Impact of Gender and Rurality on Veterinarian Practice."

Selected paper presented at the Southern Economic Association Meetings Session "Marriage, Risk and Veterinarians," Atlanta, GA, November 20-22, 2010.

Dong\*, Fengxia, Hennessy, D.A., Jensen, Helen H., & Park, Timothy. "Quality and Safety

Incentives in Milk Channels." Selected paper presented at NEC-63/AAEA Food Safety Section conference, Monterey, CA, September 27-28, 2010.

Tepe\*, Fatma Sine, Xiaodong Du, & D.A. Hennessy. "The Impact of Biofuels Policy on

Agribusiness Stock Prices." Selected paper presented at AAEA & WAEA joint annual meeting, Denver, CO, July 25-27, 2010.

Miao\*, Ruiqing, Babcock, Bruce A., & D.A. Hennessy. "To Learn or to Change: R&D

Investments Under Uncertainties in the Case of Climate Change." Tenth Annual Missouri Economics Conference, University of Missouri-Columbia and Research Division of Fed. Reserve Bank of St. Louis, Columbia, Missouri, March 26-27, 2010.

Hennessy\*, D.A. "Helping Graduate Students to Realize their Potential in Research." Symposium

session *Student Advisor Match: Path to a Successful Career*, AAEA & ACCI joint annual meeting, Milwaukee, Wisconsin, July 26-28, 2009.

Zhao\*, Huan, & D.A. Hennessy. "Rationalizing Time Series Differences Between Cow-Calf and

Feeder Cattle Returns." Selected paper presented at AAEA & ACCI joint annual meeting, Milwaukee, Wisconsin, July 26-28, 2009.

Dong\*, Fengxia, Hennessy, D.A., & Helen H. Jensen. "Contract and Exit Decisions in Finisher

Hog Production." Selected paper presented at AAEA & ACCI joint annual meeting, Milwaukee, Wisconsin, July 26-28, 2009.

Du\*, Xiaodong, Hennessy, D.A., & William E. Edwards. "Determinants of Iowa Cropland Cash

Rental Rates: Testing Ricardian Rent Theory." Selected paper, AERE sessions at meetings of the *American Agricultural Economics Association*, Orlando, Florida, July 27-29, 2008.

Sengupta\*, Sanchita, & D.A. Hennessy. "Agricultural and Environmental Policy." Selected paper,

AERE Summer Workshop, Mystic, CT, June 7-9, 2007.

Hennessy\*, D.A. "Biosecurity and the Propagation of an Infectious Animal Disease." Principal

Papers session *Economic Incentives for Managing Infectious Animal Disease*, AAEA Annual Meetings, Portland, Oregon, July 2007.

Feng\*, Hongli & D.A. Hennessy. "When Should Uncertain Nonpoint Emissions be Penalized in a

Trading Program?" Selected paper, AAEA annual meetings, Portland, Oregon, July 2007.

Jensen\*, Helen, Chengyan Yue, Fengxia Dong, & D.A. Hennessy. "Economic Incentives for Food

Safety Farm Practices in Hog Production." Organized Symposium, AAEA Annual Meetings, Portland, Oregon, July 2007.

Hennessy, D.A. "Getting the Incentives Right on the Farm." Presented at the Symposium

*Agricultural Biosecurity Toward a Secure Global Economy and Public Health*, Annual Meetings of the American Association for the Advancement of Science, San Francisco CA, February 15-19, 2007.

Feng\*, Hongli, & D.A. Hennessy. "Production and Abatement Distortions Under Noisy Green

Taxes." Selected paper, AERE sessions at meetings of the *American Agricultural Economics Association*, Long Beach, CA, July, 2006.

Yu\*, Wang, D.A. Hennessy, & Gerald Sheblé. "Electricity Market integration under Random

Demand." Selected paper, 36th *North American Power Symposium*, Moscow, ID, August 9-10,

- 2004.
- Roosen\*, Jutta, & D.A. Hennessy. "The Deseasonalization of Animal Production." Selected paper, meetings of the *American Association of Agricultural Economics*, Montreal, Quebec, July, 2003.
- Saak\*, Alexander E., D.A. Hennessy, & Bruce A. Babcock. "Fair Value of Whole-Farm and Crop-Specific Revenue Insurance." Selected paper, meetings of the *American Association of Agricultural Economics*, Montreal, Quebec, July, 2003.
- Saak\*, Alexander E., & D.A. Hennessy. "Planting Decisions and Uncertain Consumer Acceptance of Genetically Modified Crop Varieties." Selected paper, meetings of the *American Association of Agricultural Economics*, Chicago, IL, August 5-8, 2001.
- Saak\*, Alexander E., & D.A. Hennessy. "Location, Land Quality, and Rental Volatility." Selected paper, meetings of the *American Association of Agricultural Economics*, Chicago, IL, August 5-8, 2001.
- Roosen\*, Jutta, & D.A. Hennessy. "Do More Risk Averse Agents Decrease Factor Use?" Selected paper, meetings of the *American Association of Agricultural Economics*, Chicago, IL, August 5-8, 2001.
- Hennessy\*, D.A., Jutta Roosen, & John A. Miranowski. "Leadership and the Provision of Safe Food." Presented at conference with title *The Economics of Contracting in Agriculture*, Saskatoon, Saskatchewan, Canada, December 8-9, 2000.
- Mitchell\*, Paul D., Bruce A. Babcock, & D.A. Hennessy. "Green Insurance for Provision of Best Management Adoption Incentives." Selected paper, Heartland Environmental and Resource Economics Workshop, Ames, IA, September 17-18, 2000.
- Hennessy\*, D.A. "Differentiated Competition, Externalities, and Welfare in Seed Markets." Selected paper, meetings of the *American Association of Agricultural Economics*, Tampa, FL, July 30-August 2, 2000.
- Roosen\*, Jutta, & D.A. Hennessy. "Do More Risk Averse Agents Decrease Factor Use?" Selected paper, meetings of the *European Association of Environmental and Resource Economics*, Rethymnon, Crete, Greece, June 30-July 2, 2000.
- Hennessy, D.A., & Jutta Roosen\*. "An Equilibrium Analysis of the Impact of Antibiotics Bans on Investment in Apple Orchards." Selected paper, meetings of the *American Association of Agricultural Economics*, Nashville, TN, August 1999.
- Roosen\*, Jutta, & D.A. Hennessy. "Capturing Experts' Uncertainty in Welfare Analysis: An Application to Organophosphate Use Regulation in U.S. Apple Production." Contributed paper, IX<sup>th</sup> Congress of the *European Association of Agricultural Economics*, Warsaw, Poland, August 1999.
- Hennessy, D.A., & Jutta Roosen\*. "Stochastic Pollution, Permit Management, and Merger Incentives." Selected paper, *European Economic Association Congress*, Berlin, Germany, September 1998.
- Hennessy\*, D.A. "Why Relationship Specific Investments in Food Quality May Influence Agricultural Industrialization." Paper presented at the organized symposium titled *Vertical Coordination in the U.S. Food Industry: Implications for Food Product Quality and Consumer Welfare*, Toronto, Ontario, July 1997. Symposium abstract published in *American Journal of Agricultural Economics*, 79(December, 1997):1690.
- Hennessy\*, D.A., & Ron C. Mittelhammer. "Dual Technology Estimation Biases Induced by Sharecropping Contracts." Selected paper, AAEA annual meeting, Toronto, Ontario, July

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1997. Abstract published in *American Journal of Agricultural Economics*, 79(December, 1997):1716.

Roosen\*, Jutta, & D.A. Hennessy. "Transfer Assessments and Efficiency in Quota-Regulated Markets." Selected paper, AAEA annual meeting, Toronto, Ontario, July 1997. Abstract published in *American Journal of Agricultural Economics*, 79(December, 1997):1724.

Wei\*, Wei, Douglas L. Young, & D.A. Hennessy. "Deterministic Dynamic Weed management Models: Steady State Solutions." Selected paper, AAEA annual meeting, San Antonio, TX, July 1996. Abstract published in *American Journal of Agricultural Economics*, 78(December, 1996):1389.

Hennessy\*, D.A. "Damage Control and the Concavity Assumption." Selected paper, AAEA annual meeting, San Antonio, TX, July 1996. Abstract published in *American Journal of Agricultural Economics*, 78(December, 1996):1405.

Fiez, Timothy E., D.A. Hennessy\*, & Bruce A. Babcock. "Site-Specific Management: An Economic and Empirical Analysis." Selected paper, AAEA annual meeting, San Antonio, TX, July 1996. Abstract published in *American Journal of Agricultural Economics*, 78(December, 1996):1409.

Hennessy\*, D.A. "Valuation of Land Lease Contracts." Selected paper, AAEA annual meeting, Indianapolis, IN, August 1995. Abstract published in *American Journal of Agricultural Economics*, 77(December, 1995):1366.

Hennessy\*, D.A. "The Cost of Supporting U.S. Agriculture." Selected paper, AAEA annual meeting, San Diego, CA, August 1994. Abstract published in *American Journal of Agricultural Economics*, 76(December, 1994):1250.

Hayes, Dermot J., & D.A. Hennessy\*. "Government Costs of Target Price Supports." Selected paper, AAEA annual meeting, San Diego, CA, August 1994. Abstract published in *American Journal of Agricultural Economics*, 76(December, 1994):1270.

Hennessy\*, D.A., & Dermot J. Hayes. "Are Options Markets Optimal?" Selected paper, AAEA annual meeting, Orlando, FL, August 1993. Abstract published in *American Journal of Agricultural Economics*, 75(December, 1993):1311.

### Poster Presentations

Gong\*, Xuche, H. Feng, & D.A. Hennessy. "Modeling Growers' SNA Decisions and Evaluating the Economic and Environmental Outcomes of Crop Insurance Policies" Heartland Environmental & Resource Economics Workshop poster presentation, Urbana-Champaign, IL, October 28-29, 2023.

Ye\*, Ziwei, & D.A. Hennessy. "Bargaining Power of Transgenic Traits in the U.S. Biotech Seed Market." Selected poster presented at AAEA Annual Meeting, Washington, D.C., Jul. 23 – 25, 2023.

Groß\*, Sabine, J. Roosen, & D.A. Hennessy. "Explaining pig fattening farms' antibiotic consumption – a longitudinal study." Selected poster presented at 2022 Bavarian State Office for Health and Food Safety Conference, Erlangen, Bavaria, October 25-27, 2022.

Gong\*, Xuche, H. Feng, & D.A. Hennessy. "Narrow framing and farmers' crop insurance choices." Selected poster presented at 2022 AAEA Annual Meeting, Anaheim, Jul. 31 – Aug. 2, 2022.

Ye\*, Ziwei, Hennessy, D.A., & Felicia Wu. "Can Biotechnology Override Adverse Climate Effects? Evidence from U.S. Corn Production." Selected poster presented (virtually) at AAEA

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- annual meetings, Austin, TX, August 1-3, 2021.
- Ye\*, Ziwei, Hennessy, D.A., & Felicia Wu. "Bt Corn and Aflatoxin Contamination: An Assessment of Historical and Future Welfare Effects." Selected poster presented (virtually) at AAEA annual meetings, Austin, TX, August 1-3, 2021.
- Che\*, Yuyuan, Feng, H., Hennessy, D.A., & Chaoqun Yu. "Evidence on the Private-Excess Fertilization Hypothesis." Selected poster presented (virtually) at AAEA annual meetings, August 10-11, 2020.
- Lu\*, Pin, Hennessy, D.A., Feng, H., & C.L. Yu. "Crop Insurance Rate Making, Land Quality and Adverse Selection." Selected poster presented (virtually) at AAEA annual meetings, August 10-11, 2020.
- Jia\*, Yanan, Hennessy, D.A., and H. Feng. "Dairy Herd Structure and Antibiotics Use in the United States." Selected poster presented (virtually) at 6th World One Health Congress, 30 Oct.-3 Nov., 2020.
- Jia\*, Yanan, A., D.A. Hennessy, & H. Feng. "Veterinary Feed Directive (VFD) Regulations to insert Client-Patient Relationship Surveillance into Food Animal Antibiotics Administration." Selected poster presented at Fourth Annual International Society for Economics & Social Sciences of Animal Health (ISESSAH) Virtual Conference, November 11th-13th, 2020.
- Rault\*, A., & D.A. Hennessy. "Role of Public Surveillance in Managing Animal Disease Outbreaks." Selected poster presented at Fourth Annual International Society for Economics & Social Sciences of Animal Health (ISESSAH) Virtual Conference, November 11th-13th, 2020.
- Che\*, YuYuan, D.A. Hennessy, H. Feng & T. Wang. "Understanding Grazing Intensity Choices on the U.S. Great Plains." Selected poster presented at AAEA annual meetings, Atlanta, GA, July 21-23, 2019.
- Jia\*, Yanan, D.A. Hennessy, & H. Feng. "What Drives Dairy Farmer Antibiotic Treatment Decisions?" Selected poster presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- Che\*, YuYuan, D.A. Hennessy, H. Feng, & Laura Lindsey. "Characterizing the Determinants of Seeding Rate Choices." Selected poster presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- Hennessy\*, D.A. "Scaling laws of biology and protein production profitability, in field and in lab." Selected poster presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- Doidge\*, Mary, H. Feng, & D.A. Hennessy. "Role of regret in farmers' land conversion choices: results from a dynamic economic experiment." Selected poster presented at AAEA annual meetings, Washington, DC, August 5-7, 2018.
- Doidge\*, Mary, H. Feng, & D.A. Hennessy. "A test of the gambler's and hot hand fallacies in farmers' weather and market predictions." Presented at 2017 Conference on Behavioral & Experimental Agri-Environmental Research: Methodological Advancements & Applications to Policy (CBEAR-MAAP), October 14-15, Shepardstown WV.
- Doidge\*, Mary, Hongli Feng, & D.A. Hennessy. "Farmers' Revenue Condition Predictions: Evidence of the Gambler's Fallacy?" Presented at 2017 Southern Ontario Behavioural Decision Research Conference, Queen's University, Kingston, Ontario, May 12.
- Doidge\*, Mary, D.A. Hennessy, & H. Feng. "Motive for grassland maintenance and conversion choices." Selected poster presented at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- Luri\*, Moses, L. Janssen, D.A. Hennessy, & H. Feng. "Farmland Use Decisions and Grassland

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- Conversion in the Dakotas: 2015 Survey and Analysis.” Selected poster presented at AAEA Annual Meeting, Chicago, IL, July 30-Aug. 1, 2017.
- Arora, Gaurav, Hongli Feng, D.A. Hennessy\*, & Peter T. Wolter. “Land Use and Climate Change in the Dakotas.” Presented at 2015 Open Science Conference, Fort Collins, CO, May 20-22, 2015.
- Arora\*, Gaurav, Hongli Feng, D.A. Hennessy, & Peter T. Wolter. “Land Use and Climate Change in the Dakotas.” Presented at 2015 NIFA Climate Change Project Directors Meeting, Washington, DC, April 7-9, 2015.
- Arora\*, Gaurav, H. Feng, & D.A. Hennessy. “Role of Ethanol Plants in Dakotas Land Use Change.” Heartland Environmental & Resource Economics Workshop poster presentation, Urbana-Champaign, IL, November 1-2, 2014.
- Wang\*, Tong, & D.A. Hennessy. "Strategic Interactions Among Private and Public Efforts when Preventing and Stamping Out an Highly Infectious Animal Disease." AAEA annual meetings poster presentation and tour, Minneapolis, MN, July 27-29, 2014.
- Murguia\*, Juan, & D.A. Hennessy. "Competitive Interactions between Grain Railroad Rates and Barge Rates on the Mississippi Waterway." AAEA annual meetings poster presentation and tour, Minneapolis, MN, July 27-29, 2014.
- Hennessy, D.A. Project initiation poster for "Adaptation of agroecosystems to climate change at the edge of the U.S. Cornbelt—assessing different drivers in a network of infrastructure." Presented at NIFA Climate Change Project Directors Meeting, Gainesville, FL, January 6-9, 2014.
- Saak\*, Alexander, & D.A. Hennessy. "Infectious Disease Detection with Private Information." ASSA Microeconomics Poster Session, Philadelphia, PA, January 5, 2014.
- Du\*, Xiaodong, D.A. Hennessy, & Hongli Feng. "Geographic Determinants of Preferences along U.S. Crop Insurance Subsidy Schedule." AAEA annual meetings poster presentation and tour, Seattle, WA, August 12-14, 2012.
- Du\*, Xiaodong, & D.A. Hennessy. “Local Geography of Row-Crop Quality Land and Cropland Cash Rental Rates." AAEA annual meetings poster presentation, Pittsburgh, PA, July 24-26, 2011.
- Wang\*, Tong, D.A. Hennessy, & Annette M. O’Connor. “Where Are the Veterinarian Shortage Areas Anyway?” AAEA annual meetings poster presentation, Pittsburgh, PA, July 24-26, 2011.
- Miao, Ruiqing, Bruce A. Babcock, & D.A. Hennessy. “Investment in Cellulosic Biofuel Refineries: Does the Waivable Mandate Matter?” AAEA annual meetings poster presentation, Denver, CO, July 25-27, 2010.
- Dong, Fengxia, D.A. Hennessy, & Helen H. Jensen. “Quality Dispersion Among Organic Milk Channels.” AAEA annual meetings poster presentation, Denver, CO, July 25-27, 2010.
- Hennessy, D.A. “Pólya's Urn Model of Crop Yield Expectation Stochastic Process.” AAEA annual meetings poster presentation, Denver, CO, July 25-27, 2010.
- Xu, Zheng, D.A. Hennessy, & GianCarlo Moschini. “Have Biotech Seeds Increased Maize Yields?” AAEA annual meetings poster presentation, Denver, CO, July 25-27, 2010.
- Du, Xiaodong, D.A. Hennessy, & Cindy Yu. “Are Crop Yield Distributions Negatively Skewed? A Bayesian Examination.” AAEA annual meetings poster presentation, Denver, CO, July 25-27, 2010.
- Wang, Tong, & D.A. Hennessy. “Livestock Disease Indemnity Design When Biosecurity

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Externalities Exist.” AAEA annual meetings poster presentation, Denver, CO, July 25-27, 2010.

Hennessy, D.A., & Harvey E. Lapan. “Buying Ecological Services: Fragmented Reserves and the Agricultural Extensification Debate.” *Finalist* (10 of 115) at the AAEA annual poster competition, Milwaukee, WI, July 26-28, 2009.

Du, Xiaodong, & D.A. Hennessy. “The Planting Real Option in Cash Rent Valuation.” *Finalist*, AAEA annual poster competition, Orlando, FL. July 27-29, 2008.

### **Invited Presentations at other Universities and Institutions (\* indicates presenter)**

Hennessy, D.A. “On the Edge of the Cornbelt: Some Core-Periphery Economics for Risk Management.” Paper presented at University of Wisconsin, Madison, WI, March 24th, 2023.

Jia, Yanan, Feng\*, H., & D.A. Hennessy. “Will tests lead to more informed antibiotics use? An application in veterinarian diagnostic decisions.” Presented in Center for Behavioral and Experimental Agri-environmental Research (CBEAR) virtual seminar series, March 21, 2022.

Hennessy, D.A. “Information Age Agriculture: Commodity Concept and Automation.” Presentation made virtually to University of Saskatchewan, October 29th, 2021.

Hennessy, D.A. “Information Management in Crop Production Economics: Some Topics.” Keynote Talk made to DSI-Days2020, Annual summit from Data Science & Informatics Division, Corteva Agriscience, June 22, 2020.

Hennessy, D.A. “Information Age Agriculture: Commodity Concept and Automation.” Presentation made at Iowa State University, Ames, IA, December 9th, 2019.

Feng, H., Arora, G., Hennessy\*, D.A., & P.T. Wolter. “Conservation Easement Allocations to Address Localized Spillovers in Grassland Conversion: A model with empirical evidence using remotely-sensed data.” Presented to US Fish & Wildlife staff, Bismarck, ND, Aug. 20, 2019.

Hennessy, D.A. “Research Program, Program Plans, & Vision for CARD.” Presentation made at Iowa State University, Ames, IA, March 1<sup>st</sup>, 2019.

Arora\*, G., H. Feng, D.A. Hennessy, & P.T. Wolter “Conservation easement allocations to address localised spillovers: A theoretical model with empirical evidence using remotely-sensed data.” Faculty of Economics, South Asian Univ., New Delhi, November 16<sup>th</sup>, 2018.

Arora\*, G., H. Feng, D.A. Hennessy, & P.T. Wolter “Conservation Easement Acquisitions Amidst Localized Spillover Effects in Grassland Conversions: Analysis using Remotely-Sensed Data”, Center for Devel. Econ. and Dept. of Econ., Delhi School of Economics, April 12<sup>th</sup>, 2018.

Hennessy\*, D.A., & Tong Wang\* (co-presented). “Some Economic Dimensions to Grassland Preservation in the Northern Great Plains.” Webinar presentation made remotely to the Plains and Prairie Pothole Landscape Conservation Cooperative (LCC), February 7, 2018.

Hennessy\*, D.A. “Economic Incentives in the Management of Infectious Animal Diseases.” Presentation made to China Animal Health & Epidemiology Center Workshop, Qingdao, Shandong Province, China, August 24-27, 2016.

Hennessy\*, D.A. “Culling and Indemnities in Management of Infectious Animal Disease.” Presentation made to China Animal Health & Epidemiology Center Workshop, Qingdao, Shandong Province, China, August 24-27, 2016.

Hennessy\*, D.A. “Animal Health Economics: The Plumbing in Models.” Presentation made remotely to INRA, French National Institute for Agricultural Research, Meta Program on Multi-scale modelling, from animal Intra-Host to Metapopulation (MIHMES), Plenary Scientific Meeting, Nantes, France January 30, 2015.



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- Du, Xiaodong, Hongli Feng\*, & D.A. Hennessy. "Rationality of Choices in Subsidized Crop Insurance Markets." Paper presented at Michigan University, East Lansing, MI, October 9<sup>th</sup>, 2014.
- Miao\*, Ruiqing, D.A. Hennessy, & Hongli Feng. "Sodbusting, Crop Insurance and Sunk Conversion Costs." Paper presented at Kansas State University, Manhattan, KS, July 22<sup>nd</sup>, 2014.
- Hennessy\*, D.A., Ruiqing Miao, & Hongli Feng "Agricultural Policy and Land Conversion on the Northern Great Plains." Paper presented at Michigan State University, East Lansing, MI, April 24<sup>th</sup>, 2014.
- Wang\*, Tong, & D.A. Hennessy. "Modeling Interdependent Participation Incentives: Dynamics of a Voluntary Livestock Disease Control Program." Invited paper presented at Centers for Epidemiology and Animal Health (CEAH), Fort Collins, Colorado, May 30, 2012.
- Miao\*, Ruiqing, D.A. Hennessy, & Bruce A. Babcock. "Investment in Cellulosic Biofuel Refineries: Do Renewable Identification Numbers Matter?" Presented at the Energy Biosciences Institute, University of Illinois, February 28, 2012.
- Zheng Xu, G. Moschini, D.A. Hennessy\*, & Kavita Sardana. "Genetic Modification Effect on Corn and Soybean Crop Yield Trends." Presented to China Agricultural University, Beijing, China, October 2011.
- Miao, Ruiqing, D.A. Hennessy\*, & Hongli Feng. "Environmental Effects of Crop Insurance and Biofuels." Presented at Emerging Issues in Agricultural Economics - Farms and Farming People: Structure and Connections to Food Security and Rural Communities, An International Workshop, Rehovot, Israel, May 29-June 2, 2011.
- Hennessy\*, D.A. "Pólya Urn Model of Crop Yield Expectation Process, with Beta Distribution Limit." Presented at Department of Agricultural and Resource Economics, North Carolina State University, Raleigh, November 2<sup>nd</sup>, 2010.
- Hennessy\*, D.A. "My Food Business & Development Education and Research Agenda: Past, Present, and Future." Presented at Department of Food Business and Development, University College, Cork, Ireland, December 6, 2007.
- Du, Xiaodong, D.A. Hennessy\*, & William M. Edwards. "Determinants of Iowa Cropland Cash Rental Rates: Testing Ricardian Rent Theory." Presented at Department of Agricultural, Environmental, and Development Economics, The Ohio State University, October 22, 2007.
- Hennessy\*, D.A. "Information Technologies and New Agricultural Products to increase and Sustain Rural Incomes." Presented at the New Markets Workshop, Sonoma Valley Inn, Sonoma CA, June 19, 2005.
- Hennessy\*, D.A. "Measuring the Trade Distortiveness of Domestic Policy." Presented at the Food and Agricultural Organization, Rome, August 30, 2004.
- Hennessy\*, D.A. "On Structural Change in Animal Agriculture." Presented at Department of Agricultural Economics, University of Nebraska at Lincoln, February 28, 2003.
- Hennessy\*, D.A., John A. Miranowski, & Bruce A. Babcock. "Genetic Information in Agricultural Productivity and Product Development." Presented at conference with title "5<sup>th</sup> INRA-IDEI Conference on Industrial Organization and the Food Processing Industry," Toulouse, France, June 14-15, 2002.
- Hennessy\*, D.A., Jutta Roosen, & John A. Miranowski. "Leadership and the Provision of Safe Food." Presented at Department of Agricultural and Resource Economics, University of Maryland at College Park, November 28, 2000.

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Hennessy\*, D.A. "Protecting Investment in Sequential Production Processes." Presented at the Department of Agricultural and Resource Economics, University of California, Davis, CA, May 1998.

Hennessy\*, D.A. "Microeconomics of Agricultural Grading: Impacts on the Marketing Channel." Presented at the Department of Agricultural Economics and Rural Sociology, University of Idaho, Moscow, ID, February 1996.

**Michigan State University Workshops (\* indicates presenter)**

Perry, Edward, GianCarlo Moschini, & D.A. Hennessy\*. "Technology Systems in Crop Agriculture: Case of Complementarity between Soybean Seed and Tillage Intensity." AFRE Brown Bag series, November 24, 2015.

**Iowa State University Workshops (\* indicates presenter)**

Jensen, Helen H., & D.A. Hennessy (co-presented) "Research on Economic Aspects of Animal Health, Biosecurity and Food Safety." Presented to Workshop convened for research collaboration visit by Kansas State University Biosecurity Research Institute, December 9, 2013.

Hennessy\*, D.A. "Economist's Toolbox for Contributing to Collaborative Research in ISU's One Health Initiative." Presentation to Iowa State University CAHDIT members, November 16th, 2012.

Hennessy\*, D.A. "Biosecurity and the Economics of Infectious Animal Disease to Complement Veterinary and Medical Research." Presentation to Iowa State University CAHDIT members, November 2<sup>nd</sup>, 2012.

Hennessy\*, D.A. "Pólya Urn Model of Crop Yield Expectation Process, with Beta Distribution Limit." October 25<sup>th</sup>, 2010.

Hennessy, D.A., & HongLi Feng\*. "When the Wrong Firms Produce under Green Taxes and Imperfect Information." Selected paper, Heartland Environmental and Resource Economics Workshop, Ames, IA, September 18-20, 2005.

Hennessy, D.A., & Alexander E. Saak\*. "Some Economics for State-Contingent Cost-Saving Seed Traits." 4<sup>th</sup> Annual Heartland Environmental and Resource Economics, Ames, Iowa, Sept. 22-23, 2002.

Hennessy\*, D.A., & Harvey E. Lapan. "An Algebraic Theory of Portfolio Allocation and Firm-level Production Decisions." October 23<sup>rd</sup>, 2001.

**Technical Publications (not peer reviewed)**

Che, Yuyuan, & D.A. Hennessy. "Comments on 'Expanding grass-based agriculture on marginal land in the U.S. Great Plains: The role of management intensive grazing.'" Center for Agricultural & Rural Development, Iowa State University, Working Paper 21-WP 618, May 2021.

Arora, Gaurav, Peter T. Wolter, Hongli Feng, & D.A. Hennessy. "Role of Ethanol Plants in Dakotas Land Use Change: Incorporating Flexible Trends in the Difference-in-Difference Framework with Remotely-Sensed Data." Center for Agricultural & Rural Development, Iowa State University, Working Paper 16-WP 564, March 2016.

Du, Xiaodong, D.A. Hennessy, & William M. Edwards. "Determinants of Iowa Cropland Cash Rental Rates: Testing Ricardian Rent Theory." Center for Agricultural & Rural Development,

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- Iowa State University, Working Paper 07-WP 454, October 2007.
- Hennessy, D.A., Jutta Roosen, & Helen H. Jensen. "Systemic Failure in the Provision of Food." Center for Agricultural & Rural Development, Iowa State University, Working Paper 02-299, April 2002.
- Hennessy, D.A., Bruce A. Babcock, & Dermot J. Hayes. "The Budgetary and Producer Welfare Effects of Revenue Assurance." Center for Agricultural and Rural Development, Iowa State University, Working Paper 97-180, June 1997.
- Hennessy, D.A., Bruce A. Babcock, & Timothy E. Fiez. "Effects of Site-Specific Management on the Application of Agricultural Inputs." Center for Agricultural & Rural Development, Iowa State University, Working Paper 96-156, March 1996.
- Hayes, Dermot J., John A. Murphy, & D.A. Hennessy. "The EC Livestock Sector: Policy Trade, and Research." Center for Agricultural & Rural Development, Iowa State University, GATT research paper 94-GATT 8, February 1994.
- Hennessy, D.A., & Dermot J. Hayes. "An Econometric Analysis of Changes in the EC's Milk Quota." Center for Agricultural & Rural Development, Iowa State University, GATT research Paper 94-GATT 3, February 1994.
- Hennessy, D.A., Bruce A. Babcock, and Dermot J. Hayes. "The Budgetary and Resource Allocation Effects of Revenue Assurance: Summary of Results." Center for Agricultural & Rural Development, Iowa State University, Briefing paper 95-BP 7, February 1995.
- Hennessy, D.A. "Existing vs. Alternative Farm Income Support Policies." Contribution to *Summary of 1995 Farm Bill Issues for Washington State*, Cooperative Extension, Washington State University, April 1995.

### **Extension and Outreach Publications**

- Hennessy, D.A., & Yanan Jia. "Pest Susceptibility Commons in Agriculture." *Agricultural Policy Review*, Winter 2024, available at [http://www.card.iastate.edu/ag\\_policy\\_review/](http://www.card.iastate.edu/ag_policy_review/)
- Yu, Jina, D.A. Hennessy, Jesse Tack, & Felicia Wu. "Climate Change and Aflatoxin in Corn." *Agricultural Policy Review*, Winter 2023, available at [http://www.card.iastate.edu/ag\\_policy\\_review/](http://www.card.iastate.edu/ag_policy_review/)
- Hennessy, D.A., Chaoqun Lu, Scott Swinton, & Braeden Van Deynze. "The Tillage Input: Technical Change, Markets, and Policy." *Agricultural Policy Review*, Fall 2022, available at [http://www.card.iastate.edu/ag\\_policy\\_review/](http://www.card.iastate.edu/ag_policy_review/)
- VanDeynze, B., Scott M. Swinton, and D.A. Hennessy. "Zombie weeds are coming for America's fields." Michigan Farm News, October 30, 2019, available at <https://www.canr.msu.edu/news/zombie-weeds-are-coming-for-america-s-fields>.
- Hennessy, D.A., Yuyuan Che, and H. Feng. "Sorry crop insurance: Michigan's not really into you." October 15, 2019, available at <https://www.canr.msu.edu/news/sorry-crop-insurance-michigan-s-not-really-into-you>.
- Hennessy, D.A., Yuyuan Che, & H. Feng. "A tale of two seeding rates." Michigan Farm News, July 15, 2019, available at <https://www.michfb.com/MI/Farm-News/Rising-seed-cost-a-tale-of-two-seeding-rates/>
- Moschini, G., E. Perry, & D.A. Hennessy. "Patent Expiration, Product Concentration, and Glyphosate Use: A Tale of Unexpected Consequences." *Agricultural Policy Review*, Spring 2019, available at [http://www.card.iastate.edu/ag\\_policy\\_review/](http://www.card.iastate.edu/ag_policy_review/)
- Hennessy, D.A. "Cash rent determination. Do you and a gentleman farmer economist agree?"

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- Michigan Farm News, September 15, 2018, available at [www.michiganfarmnews.com](http://www.michiganfarmnews.com)
- Hennessy, D.A., H. Feng, M.G.S. McKendree, & C. Wolf. "Are Michigan dairy farmers investing?" Michigan Farm News, August 15, 2018, available at [www.michiganfarmnews.com](http://www.michiganfarmnews.com)
- Wang, Tong, A. Ayesh, D.A. Hennessy and H. Feng. "Cropland Reflux: Trends in and locations of land use change in the Dakotas, 2007 to 2012 and 2012 to 2017." South Dakota State University Extension Bulletin, July 2018, available at <https://ageconsearch.umn.edu/record/274938?ln=en>
- McKendree, M., H. Feng, D.A. Hennessy, & C. Wolf. "What do dairy farmers want from the next farm bill?" Hoard's Dairyman, July 2018, available at <https://hoards.com/articles.sec-0-2-all.html>
- Feng, H., D.A. Hennessy, M.G.S. McKendree, & C. Wolf. "Tough times for dairy, tougher in Michigan." Michigan Farm News, June 15, 2018, available at [www.michiganfarmnews.com](http://www.michiganfarmnews.com).
- Wang, Tong, Hennessy, D.A., & H. Feng. "Factors affecting wheat production decisions: Producer survey findings." iGrow South Dakota State University Extension Bulletin, January 2018, available at <http://igrow.org/agronomy/wheat/factors-affecting-wheat-production-decisions-producer-survey-findings/>
- Doidge, M., H. Feng, D.A. Hennessy, J. Roy Black, & W. Edwards. "Crop Insurance: What's your motivation?" Michigan Farm News, August 28, 2017, available at <https://www.michfb.com/MI/Farm-News/Crop-insurance-Whats-your-motivation/>
- Doidge, M., H. Feng, D.A. Hennessy, J. Roy Black, & W. Edwards. "Farmers' Crop Insurance Choices in Iowa and Michigan: Survey Summary." Michigan State University, Department of Agricultural, Food, and Resource Economics, Staff Paper 2017-04, August 2017, available at <https://ageconsearch.umn.edu/record/262455>
- Miao, R., H. Feng, & D.A. Hennessy. "How much can the Sodsaver Provision in the 2014 Farm Bill save sod? It depends on crop prices." *Policy Matters*, University of Illinois, January 19, 2017, available at <http://policymatters.illinois.edu/how-much-can-the-sodsaver-provision-in-the-2014-farm-bill-save-sod-it-depends-on-crop-prices/>
- Miao, R., H. Feng, D.A. Hennessy, & X. Du. "Linkage between Federal Crop Insurance Program and the Conservation Reserve Program: Implications for Budgetary Outlays and Environmental Efficiency." *Policy Matters*, University of Illinois, November 14 2016, available at <http://policymatters.illinois.edu/linkage-between-federal-crop-insurance-program-and-the-conservation-reserve-program-implications-for-budgetary-outlays-and-environmental-efficiency/>
- Wang, Tong, Feng, Hongli, & D.A. Hennessy. "Rotational Grazing and Land Use Conversion." iGrow South Dakota State University Extension Bulletin, July 2016.
- Janssen, Larry, Luri, Moses, Chowdhury, Niaz, Feng, Hongli, & D.A. Hennessy. "Farmland use in the Dakotas: Key Results from the 2015 Producer Survey." *Economics Commentator*, South Dakota State University, No. 557 (November 20), 2015.
- Arora, G., Peter T. Wolter, Hongli Feng, & D.A. Hennessy. "Characterizing and Comprehending Land Use Change in the Loess Hills Region." *Agricultural Policy Review*, Spring 2015, available at [http://www.card.iastate.edu/ag\\_policy\\_review/](http://www.card.iastate.edu/ag_policy_review/)
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*Review*, 12(Fall 2006), pp. 6B7.

Hennessy, D.A., & Helen H. Jensen. "Evolution on the Demand Side." Chapter in *Agriculture in the 21<sup>st</sup> Century—Surviving and Thriving*, College of Agriculture, Iowa State University, March 1999.

Ginder, Roger, D.A. Hennessy, Robert Jolly, Keith Heffernan, & C. Phillip Baumel. "Responses in the Input Supply Sector." Chapter in *Agriculture in the 21<sup>st</sup> Century—Surviving and Thriving*, College of Agriculture, Iowa State University, March 1999.

### **Podcasts**

BugTalk offering on the grant “Aflatoxin Reduced By Bt Corn? Examining Crop Insurance Claims For Real World Impacts of Technologies For Food Safety,” with Felicia Wu. Dept. of Entomology, Michigan State University. Hosted by Andrea Glassmire, Kayleigh Hauri, and Zsofia Szendrei. July 14, 2020. Link <https://www.buzzsprout.com/911479>

### **Blogs**

Che, Y, H. Feng, D.A. Hennessy. “Rotational Grazing: A Win-Win Practice for Rancher’s Bottom-line and the Environment?” Submitted 10/16/2020. Link <https://www.msuscicomm.org/blog>

### **Extension and Outreach Presentations**

Hennessy, D.A. “Farm Management Personnel meeting: What I do.” Presented to Iowa Farm Management group coordinated by Chad Hart, May 16, 2023.

Hennessy, D.A. “Some Tillage Economics.” Presented to Strip-Till Discussion Group run by Angela Rieck-Hinz, Iowa North Central Region, November 22, 2022.

Hennessy, D.A. “Issues in Finance.” Presented to Mrs. Beth Johnson’s 5<sup>th</sup> Grade ELP class, Fellows Elementary, Ames, Iowa, May 8<sup>th</sup>, 2014.

Hennessy, D.A. “Auction Formats.” Presented to Mrs. Elise Wright’s 5<sup>th</sup> Grade class, Fellows Elementary, Ames, Iowa, February 26<sup>th</sup>, 2014.

Miao, Ruiqing, Hongli Feng and D.A. Hennessy\*. “Insurance, Sodsaver, Yield Risk and Grassland Conversion.” Presented at Workshop on Grassland Conversion and Land Use Conversion Predictions in the Prairies, Bismarck, North Dakota, November 2-3, 2011.

Hennessy, D.A. "Agricultural Biosecurity: Costs, Incentives, and Policy." Presentation made to Congressional Staff, March 14 2007. The trip was supported by the House Homeland Security Committee, and involved meetings with interested congressional staffers.

Hennessy, D.A. "Issues in Agricultural Tax Policy." Presentation made to the Farm Bill Study Team, Ames IA, July 14 2000.

Hennessy, D.A. "The 1995 Farm Bill and Alternative Farm Income Support Policies." Presentation made to representatives of the Washington State Congressional delegation, Pullman WA, April 1995.

### **Sample Media and Other Contacts**

Paper “Climate Change will Increase Aflatoxin Risk in US Corn” reported in The Alpena News, “Climate change prompts rise in toxic corn fungus” by Jake Lysekawa, <https://www.thealpenanews.com/news/michigan-news-apwire/2023/01/climate-change->

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- prompts-rise-in-toxic-corn-fungus/, January 17, 2023. This paper was also discussed on Michigan Public Radio, “Research finds climate change will likely increase a carcinogenic toxin in corn crops.” <https://www.wkar.org/wkar-news/2022-05-19/research-finds-climate-change-will-likely-increase-a-carcinogenic-toxin-in-corn-crops>, May 19, 2022.
- Responded to queries on Covid-19, Defense Production Act and meat slaughter/packing by *Green Bay Press-Gazette* and *Detroit News* 4/29/2020.
- Respondent to online grade school queries about, e.g., the costs and benefits to society of GM technologies, 2018 and earlier.
- Contact with Joe Pinkster at *The Atlantic* to talk about implications of the Amazon & Whole Foods deal, August 25, 2017.
- Contact with Baring Asset Management Limited representative on modelling long-term market dynamics in permanent crops, June 2017.
- Perry et al. Science Advances article (2016) picked up by National Public Radio, September 1, 2016. See Dan Charles, <http://www.npr.org/sections/thesalt/2016/09/01/492091546/how-gmos-cut-the-use-of-pesticides-and-perhaps-boosted-them-again>
- Interviewed by *Michigan Farm News* regarding “New Elton R. Smith chair willing to get his hands dirty,” by Paul Jackson. Interview date September 30, 2015.
- Interviewed by *Research Media* researcher regarding “Adaptation of Agroecosystems to Climate Change at the Edge of ...” grant. Interview contributed to International Innovation Environment Report published in March 2015. Interview date, February 20, 2015.
- Responded to queries on animal disease indemnities from *Pareto Consulting*, December 2014.
- Responded to queries on a USDA grant received, *Ames Tribune*, April 22, 2014.
- Responded to queries on the Farm Bill by *Harvard Political Review*, September 2, 2013.
- Responded to queries on implications of biotechnologies for farming and the environment, for in-class report to a University of North Carolina Energy and Ecology course, 10/23/2017.
- Phone interview on the role of crop insurance in land conversion, *High Country News*, February 29, 2012.
- Hennessy, D.A. "Agricultural Biosecurity, the Economy and Public Health." Press Conference, Washington DC, March 13 2007. Organized by American Association for the Advancement of Science.
- Story Consultant for an article in *Scientific American* monthly magazine, 2007.
- Phone interviews with Gary T. Brown, Tahra Nichols and others, analysts at the Congressional Budget Office staff about work on role of government programs in land use change, 4/18/2014 and 4/30/2014.