

Assistant Professor
Dyson School of Applied Economics and Management
Cornell University

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WENDONG ZHANG
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ISU CARD Faculty Profile: <https://www.card.iastate.edu/people/profile/?n=wendong-zhang>
Google Scholars Profile: <https://scholar.google.com/citations?user=KT67I80AAAAJ>
ORCID Profile: <http://orcid.org/0000-0002-1244-3357>

EDUCATION

The Ohio State University Columbus, OH
Ph.D. in Agricultural, Environmental and Development Economics **July 2015**
- Dissertation: "[Three Essays on the Land Use, Land Management and Land Values in Agro-ecosystems](#)"
- Advisor: Dr. Elena G. Irwin
- Best Doctoral Dissertation Award, Department of Agricultural, Environmental and Development Economics, the Ohio State University
- Presidential Fellowship, the Ohio State University

M.A. in Economics **June 2012**

Fudan University Shanghai, China
B.S. in Environmental Science (*magna cum laude*) **July 2009**
Minor: International Economics and Trade

The University of Hong Kong Hong Kong SAR, China
Exchange Student in Environmental Studies September 2007 to January 2008

FIELDS OF INTEREST

Land Economics, Chinese Agriculture, Nonmarket Valuation, Integrated Ecological-Economic Modeling, Agricultural and Environmental Policy, Applied Microeconometrics, Agricultural Trade

PROFESSIONAL EXPERIENCE

Assistant Professor , Dyson School of Applied Economics and Management, SC Johnson College of Business, Cornell University - Appointment: 50% Research and 50% Extension	July 2022 - Present
Faculty Affiliate, Cornell Center for China Economic Research (CICER)	July 2022 – Present
Faculty Fellow, Cornell Atkinson Center for Sustainability	July 2022 – Present
Global Public Voices Fellow, Cornell Einaudi Center for International Studies	2022-2023
Faculty Fellow , Leibniz-Zentrum für Agrarlandschaftsforschung (ZALF), Germany	fall 2023 – fall 2025
Associate Professor , Department of Economics; Iowa State University Extension and Outreach; Center for Agricultural and Rural Development, Center for China-US Agricultural Economics and Policy, Iowa State University - Appointment: 60% Extension, 25% Research, and 15% Teaching	August 2021 – June 2023
Assistant Professor , Department of Economics; Iowa State University Extension and Outreach; Center for Agricultural and Rural Development, Center for China-US Agricultural Economics and Policy, Iowa State University	August 2015 – July 2021
Academic Vice President , the Iowa Chapter of American Society of Farm Managers and Rural Appraisers	February 2016 – Present
Affiliate Faculty , Sustainable Agriculture Graduate Program, Iowa State University	October 2018 – Present
Graduate Research Assistant , Department of Agricultural, Environmental and Development Economics, the Ohio State University	July 2010 – July 2015
Visiting Researcher , USDA National Agricultural Statistical Service Data Lab	July – August 2013
Summer Research Intern , USDA Economic Research Service	July – August 2012

BIOGRAPHY

Dr. Wendong Zhang is an Assistant Professor and Extension Economist in the Dyson School of Applied Economics and Management, SC Johnson College of Business at Cornell University. His research seeks to better understand U.S. farmland market, agricultural water conservation and Chinese agriculture.

Dr. Zhang is currently Faculty Affiliate at Cornell Center for China Economic Research (CICER), Faculty Fellow at Cornell Atkinson Center for Sustainability, and am selected as 2022-2023 Global Public Voices Fellow at Cornell Einaudi Center for International Studies and a 2023-2025 Fellow with the Leibniz Centre for Agricultural Landscape Research (ZALF).

Dr. Zhang currently an Associate Editor of American Journal of Agricultural Economics as well as the Journal of Soil and Water Conservation.

Dr. Zhang received his Ph.D. in Agricultural, Environmental and Development Economics from the Ohio State University in July 2015, and he also holds a BSc in Environmental Science from Fudan University in China. Prior to joining Cornell University, he was a tenured Associate Professor in the Department of Economics and the Center for Agricultural and Rural Development at Iowa State University.

AWARDS AND HONORS

- 2023: 2023-2025 Faculty Fellow, Leibniz-Zentrum für Agrarlandschaftsforschung (ZALF), Germany
2022-2023 Board of Director, Chinese Economists Society
- 2022: 2022-2023 Global Public Voices Fellow, Cornell Einaudi Center for International Studies
Young Professional Achievement Award, the College of Food, Agricultural and Environmental Sciences (CFAES) Alumni Society, the Ohio State University
- 2021: Advisor of Winner of the 2021 AAEA Undergraduate Student Section Best Undergraduate Student Paper Competition (Beatrice Maule, “Of Women and Land: How Gender Affects Transfers and Successions of Iowa Farms”)
Agricultural & Applied Economics Association (AAEA) 2021 Distinguished Extension/Outreach Program Award, Individual: Less than Ten Years’ Experience
Top Paper Award from the Intergroup Communication Interest Group (ICIG) at International Communications Association (ICA) 2020: Gold Coast Conference (“Farmers under Threat: Implications for Attitudes toward China and Perceived Risks from the Trade Dispute”, joint with Lulu Rodriguez, Shuyang Qu, Suman Lee, and Minghao Li)
Northeastern Agricultural and Resource Economics Association (NAREEA) Career Advancement and Mentorship (CAM) Program
Iowa State University College of Agriculture and Life Sciences Early Achievement Award in Extension and Outreach
- 2020: Iowa State University College of Agriculture and Life Sciences Dean’s Citation for Extraordinary Contributions (joint with Chad Hart and Dermot Hayes)
Associate Editor, American Journal of Agricultural Economics, 2020-2023
- 2019: AAEA Bruce Garner Memorial Prize for Applied Policy Analysis Award (“the Impact of the 2018 Trade Disruptions on the Iowa Economy”, CARD Policy Brief coauthored with Edward J. Balistreri, Chad E. Hart, Dermot J. Hayes, Minghao Li, Lee Schulz, David A. Swenson, and John M. Crespi)
AAEA Awards Committee Master’s Thesis Sub-Committee 2019 and 2020
President, NC-1177 Multistate Research Project “Agricultural and Rural Finance Markets in Transition (NC1014, NC221, NCT-194)”
Chair, Agricultural & Applied Economics Association (AAEA) Agricultural Finance and Management (AFM) Section
- 2018: President-Elect, NC-1177 Multistate Research Project “Agricultural and Rural Finance Markets in Transition (NC1014, NC221, NCT-194)”
Chair-Elect, Agricultural & Applied Economics Association (AAEA) Agricultural Finance and Management (AFM) Section
- 2016: Vice President, the Alumni Association, Fudan University, Department of Environmental Science and Engineering
Epsilon Sigma Phi, the Iowa Alpha Mu Chapter
Best Doctoral Dissertation Award, Department of Agricultural, Environmental and Development Economics, the Ohio State University
- 2015: Finalist, Graduate Associate Teaching Award, the Ohio State University
- 2014: Presidential Fellowship, the Ohio State University, 2014-2015
Bernie Erven Outstanding Graduate Teacher Award, Department of Agricultural, Environmental and Development Economics, the Ohio State University
Selected Participant of the Prepare Future Faculty Program, the Ohio State University, 2014-2015
Center on Urban and Regional Analysis Travel Award, the Ohio State University

- 2013: Winner, North America Regional Science Council Graduate-Student-Led Paper Competition, the 60th Annual North American Meetings of the Regional Science Association International
Winner, Best Paper Competition, Midwest Graduate Student Conference on Regional and Applied Economics
- 2012: Winner, North America Regional Science Council Graduate-Student-Led Paper Competition, the 59th Annual North American Meetings of the Regional Science Association International
Winner, Best Doctoral Research Manuscript Award, Department of Agricultural, Environmental and Development Economics, the Ohio State University
Winner, Graduate Student Paper Competition, 5th Annual Midwest Graduate Student Summit on Regional, Population, Health & Environmental Economics
The Honor Society of Agriculture, Gamma Sigma Delta
- 2009: Doctoral Fellowship, Ohio Agricultural Research and Development Center (OARDC)
- 2007: Fung Scholar, Victor and William Fung Foundation
National Scholarship, 1st Prize, Ministry of Education of China, 2007
- 2006: Tung's Oriental Scholarship, Fudan University

EDITORIAL SERVICES

- 2021-: Associate Editor, Journal of Soil and Water Conservation
2020-23: Associate Editor, American Journal of Agricultural Economics
2021- : Editorial Advisory Board, Agricultural Finance Review
2018- : Editorial Committee, Journal of the American Society of Farm Managers and Rural Appraisers (Journal of the ASFMRA)

PUBLICATIONS

Peer-Reviewed Journal Articles

(46 in total, 16 since joining Cornell in July 2022; #R denote 10 representative works)

(* denote undergraduate students advised; ^ graduate students; + postdocs advised)

46. Wang, F., **W. Zhang**, and M. Taylor. 2024. Mapping and Contextualizing Foreign Ownership and Leasing of US Farmland. *Journal of the ASFMRA* (Corresponding Author). <https://ageconsearch.umn.edu/record/342906>
45. Li, Miao, Tao Xiong, Ziran Li, **Wendong Zhang**. 2024. "Do Commodity Futures Still Need Market Makers? New Evidence from China's Market-Making Program." Accepted at *Agricultural Economics*
44. Lee, Si Un, Jeff Hyde, Rudy Nayga, Yangxuan Liu, and **Wendong Zhang**. 2024. "Is there an Extension Discount for Agricultural Economics Faculty?" Accepted at *Journal of Extension*
43. Li[^], H., X. Wan[^], and **W. Zhang**. 2024. "How Do Firms Respond to Long-term Political Tensions? Evidence from Chinese Food Importers", *the World Economy*, <https://doi.org/10.1111/twec.13601>
- #R 42. Shr⁺, J., and **W. Zhang**. 2024. "Omitted Downstream Attributes and the Benefits of Nutrient Reductions: Implications for Choice Experiments", *Ecological Economics*, <https://doi.org/10.1016/j.ecolecon.2024.108218>
41. Fiske, Kathleen, Nieyan Cheng, Ryan Kuesel, **Wendong Zhang**, Ricardo Bessin, Mark Alan Williams, David Gonthier. 2024. "Row Covers Limit Pests and Disease and Increase Profit in Organic Acorn Squash." **Frontiers in Sustainable Food Systems**. <https://doi.org/10.3389/fsufs.2024.1347924>

- #R 40. Howard, G., **W. Zhang**, A. Valcu-Lisman, and P. Gassman. 2024. “[Evaluating the Tradeoff between Cost-Effectiveness and Participation in Agricultural Conservation Programs](https://doi.org/10.1111/ajae.12397)”, *American Journal of Agricultural Economics*. <https://doi.org/10.1111/ajae.12397>
39. Taylor, M.R., and **W. Zhang**., and F. Attah. 2024. “[Foreign Interests in U.S. Agricultural Lands: The Missing Conversations about Leasing.](#)” *Choices Magazine*
38. Li, M., X. He, **W. Zhang**, J.M. Gbeda, S. Qu, and L. Rodriguez. 2023. “[Farmers’ Reactions to the U.S.-China Trade War: Perceptions vs. Behaviors.](https://doi.org/10.1002/jaa2.68)” *Journal of the Agricultural and Applied Economics Association (Journal of the AAEA)*. 2(3): 386-401. <https://doi.org/10.1002/jaa2.68>
37. Lee, J., G. Durbahn, P.F. Orazem, and **W. Zhang**. 2023. “[The Roles of Risk Preferences, Selection, and Uncertain Returns on Land Contracts.](https://doi.org/10.1111/agec.12770)” *Agricultural Economics*, 54(2): 220-233. <https://doi.org/10.1111/agec.12770>
- #R 36. Liu[^], Q., B. Maule*, **W. Zhang**, and Q. Liu, 2023. “[Of Women and Land: How Gender Affects Successions and Transfers of Iowa Farms](https://doi.org/10.1002/aep.13363)”, *Applied Economics Papers and Perspectives* 45(4): 2255-2280. <https://doi.org/10.1002/aep.13363>
- Winner of the 2021 AAEA Undergraduate Paper Competition
 - Blog post by [International Farm Transition Network](#)
35. Lu, Q., N. Cheng, **W. Zhang**, and P. Liu. 2023. “[Disamenity or Premium: Do Electricity Transmission Lines Affect Farmland Values and Housing Prices Differently?](https://doi.org/10.1016/j.jhe.2023.101968)” *Journal of Housing Economics, Corresponding author*, <https://doi.org/10.1016/j.jhe.2023.101968>
34. Xiong, T. F. Zhao, and **W. Zhang**. 2023. “[When China Strikes: Quantifying Australian Companies' Stock Price Responses to China's Trade Restrictions](https://doi.org/10.1111/1467-8489.12532)”, *Australian Journal of Agricultural and Resource Economics, Corresponding author*, 67(4): 636-671. <https://doi.org/10.1111/1467-8489.12532>
33. Nelson, H.M., J.F. Gonzalez-Acuna, A. Nair, N. Cheng[^], K. Mphande, S. Badilla-Arias, **W. Zhang**, and M. Gleason. 2023. [Comparison of Row Cover Systems for Pest Management in Organic Muskmelon in Iowa.](https://doi.org/10.21273/HORTTECH05096-22) *HortTechnology* 33(1) <https://doi.org/10.21273/HORTTECH05096-22>
32. Schultz, M., J. Benning, C. DeLong, C. Hyde, M. O'Rourke, L. Scarbrough, K. Tidgren, J. Tong, **W. Zhang**. 2022. “[Survey Increases Understanding of Iowa Women Farmland Owners.](https://www.nacaa.com/file.ashx?id=493c150e-fc3d-4454-98f3-80f94e1b5b7d)” *Journal of NACAA (National Association of County Agricultural Agents)* 15 (2): 1-22, <https://www.nacaa.com/file.ashx?id=493c150e-fc3d-4454-98f3-80f94e1b5b7d>
31. He⁺, X., A. Elobeid, M. Carriquiry, M. Li, D. Hayes, M. Li, and **W. Zhang**. 2022. “[China’s Growing Feed Imports: Projections from the CARD Agricultural Modeling](https://doi.org/10.1002/agr.21764)”, *Agribusiness* 38(4): 970-989, <https://doi.org/10.1002/agr.21764>
30. Liu, Y., and **W. Zhang**. 2022. “[Nurturing International Graduate Students for a More Diversified and Inclusive Extension Workforce](https://www.aaea.org/UserFiles/file/AETR_2022_003RV4I2_v5.pdf)”. *Applied Economics Teaching Resources*, 4(2): 45-58. https://www.aaea.org/UserFiles/file/AETR_2022_003RV4I2_v5.pdf
29. He⁺, X., E.J. Balistreri, G.H. Kim, and W. Zhang. 2022. “[A General Equilibrium Assessment of the Labor Productivity Impacts of COVID-19 on China's Regional Economies.](https://doi.org/10.1007/s11123-022-00642-3)” Accepted at *Journal of Productivity Analysis, Corresponding Author*, 58: 129-150, <https://doi.org/10.1007/s11123-022-00642-3>
- #R 28. Mei, Y., L. Gao, **W. Zhang**, F. Yang. 2021. “[Do Homeowners Benefit When Coal-Fired Power Plants Switch to Natural Gas? Evidence from Beijing, China](https://doi.org/10.1016/j.jeem.2021.102566)”, *Journal of Environmental Economics and Management*, <https://doi.org/10.1016/j.jeem.2021.102566>

- #R 27. Xiong, T., **W. Zhang**, and C. Chen[^]. 2021, “[A Fortune From Misfortune: Evidence from Hog Firms’ Stock Price Responses to China’s African Swine Fever Outbreaks](https://doi.org/10.1016/j.foodpol.2021.102150)”, *Food Policy*, **Corresponding Author**, <https://doi.org/10.1016/j.foodpol.2021.102150>
26. Basha[^], A., **W. Zhang**, and C. Hart. 2021. “[The Impacts of Interest Rate Changes on US Midwest Farmland Values](https://doi.org/10.1108/AFR-11-2020-0163)”, *Agricultural Finance Review*, **Corresponding Author**, <https://doi.org/10.1108/AFR-11-2020-0163>
25. **Zhang, W.**, S. Lence, and T. Kuethe, 2021. “[Are Expert Opinions Accurate? Panel Data Evidence from Iowa Land Value Survey](https://doi.org/10.3368/le.97.4.080820-0124R)”, *Land Economics*, **Corresponding Author**, <https://doi.org/10.3368/le.97.4.080820-0124R>
24. **Zhang, W.**, 2021. [The Case for Healthy U.S.-China Agricultural Trade Relations Despite Deglobalization Pressures](https://doi.org/10.1002/aep.13115). *Applied Economic Policy & Perspectives*, 43(1): 225-247. <https://doi.org/10.1002/aep.13115>
19. Sawadgo[^], W., **W. Zhang**, and A. Plastina. 2021. “[What Drives Landowners’ Conservation Decisions? Evidence from Iowa](https://doi.org/10.2489/jswc.2021.00115)”, *Journal of Soil and Water Conservation*, 76(3): 211-221. <https://doi.org/10.2489/jswc.2021.00115>
18. Hasan, S.M., A. Rehman, and **W. Zhang**, February 2021. “[Who Can Work and Study from Home in Pakistan: Evidence from a Nationwide Household Survey](https://doi.org/10.1016/j.worlddev.2020.105197)”, *World Development*, **Corresponding Author**, <https://doi.org/10.1016/j.worlddev.2020.105197>
- #R 17. Shao, Y., T. Xiong, M. Li⁺, D.J. Hayes, **W. Zhang**, and W. Xie. 2021. “[China’s Missing Pigs: Correcting China’s Hog Inventory Data Using a Machine Learning Approach](https://doi.org/10.1111/ajae.12137)”, *American Journal of Agricultural Economics*, 103(3): 1082-1098. **Corresponding Author**, <https://doi.org/10.1111/ajae.12137>
16. Li⁺, M., E. Balistreri, and **W. Zhang**. June 2020. “[The U.S.-China Trade War: Data and General Equilibrium Analysis](https://doi.org/10.1016/j.asieco.2020.101216).” *Journal of Asian Economics*, Vol. 69, **Lead Article**, <https://doi.org/10.1016/j.asieco.2020.101216>
15. Liu, H., **W. Zhang**, E. Irwin, J. Kast, N. Aloysius, J.F. Martin, and M. Kelcic. April 2020, “[Best Management Practices and Nutrient Reduction: An Integrated Economic-Hydrological Model of the Western Lake Erie Basin](https://muse.jhu.edu/article/775584)”, *Land Economics*, 96(4): 510-530, <https://muse.jhu.edu/article/775584>
14. Taylor, M., and **W. Zhang**. 2019. “[Training the Next Generation of Extension Economists](https://doi.org/10.1016/j.chicmag.2019.03.002)”, *Choices Magazine*, Quarter 2, 34(2)
13. Grant*, M., and **W. Zhang**. 2019. “[Entrepreneurship and Start-ups in the Agricultural Industry](https://doi.org/10.1016/j.jasfmr.2019.03.002)”, *Journal of American Society of Farm Managers and Rural Appraisers (JASFMRA)*, 35-43.
12. Wang, P., **W. Zhang**, M. Li⁺, and Y. Han, 2019, “Does Fertilizer Education Program Increase the Technical Efficiency of Chemical Fertilizer Use? Evidence from Wheat Production in China”, *Sustainability*, 11(2), 543, <https://doi.org/10.3390/su11020543>
11. Gao, L., **W. Zhang**, Y. Mei, A. Sam, Y. Song, and S. Jin. 2018. “Do Farmers Adopt Fewer Conservation Practices On Rented Land? Evidence from Straw Retention in China”, *Land Use Policy*, 79: 609-621, <https://doi.org/10.1016/j.landusepol.2018.08.026>
10. Aller, D.[^], S. Archontoulis, **W. Zhang**, W. Sawadgo[^], D. Laird, and K. Moore. 2018. “Using APSIM to Optimize Biochar Applications for Midwest Corn-Bioenergy Cropping Systems”, *Field Crops Research*, 227: 30-40, <https://doi.org/10.1016/j.fcr.2018.07.012>

#R 9. Li, M⁺, **W. Zhang**, and C. Hart, 2018. “[What Have We Learned from China’s Past Trade Retaliation Strategies](https://www.jstor.org/stable/26487436)”, *Choices Magazine*, Quarter 2, 33(2): 1-8, **Lead Article**, <https://www.jstor.org/stable/26487436>

#R 8. **Zhang, W.**, and B. Sohngen, 2018. “Do US Anglers Care About Harmful Algal Blooms? A Discrete Choice Experiment of Lake Erie Recreational Anglers”, *American Journal of Agricultural Economics*, 100(3): 868-888, <https://doi.org/10.1093/ajae/aay006>

- Featured in [Oxford University Press \(OUP\) Blog: Angling for Less HABs](#)

7. **Zhang, W.**, and K. Tidgren. 2018. “Current Farm Downturn vs. 1920s and 1980s Farm Crisis: An Economic and Legal Comparison”, *Agricultural Finance Review*, 78(4): 396-411, **Lead Article**, <https://doi.org/10.1108/AFR-08-2017-0075>

6. **Zhang, W.**, W. Zhang, and C. Hart, 2018. “[Are Agricultural Professionals’ Farmland Value and Crop Price Forecasts Consistent?](#)” *Journal of American Society of Farm Managers and Rural Appraisers (JASFMRA)*, **Lead Article**, 1-16

5. Rosli, H.[^], D. A. Mayfield, J. C. Batzer, P. M. Dixon, **W. Zhang**, and M. L. Gleason, 2017, “Field Validation of a Modified Relative Humidity-Based Warning System for Sooty Blotch and Flyspeck in Iowa”, *Plant Disease*, 101(10): 1721-1728. <https://doi.org/10.1094/PDIS-02-17-0294-RE>

4. **Zhang, W.**, and M. Duffy. 2017. “Land Quality Perceptions in Expert Opinion Surveys: Evidence from Iowa”, *Journal of the American Society of Farm Managers and Rural Appraisers (Journal of the ASFMRA)*, 89: 128-151, <https://www.jstor.org/stable/90016149>

3. **Zhang, W.**, R. Wilson, E. Burnett, E. G. Irwin, and J. F. Martin. 2016. “What Motivates Farmers to Apply Phosphorus at the ‘Right’ Time? Survey Evidence from the Western Lake Erie Basin”, *Journal of Great Lakes Research*, 42(6): 1343-1356. <https://doi.org/10.1016/j.jglr.2016.08.007>

#R 2. **Zhang, W.**, D. H. Wrenn, and E. G. Irwin, 2016. “Spatial Heterogeneity, Accessibility and Zoning: An Empirical Investigation of Leapfrog Development”, *Journal of Economic Geography*, 17(3): 547-570. <https://doi.org/10.1093/jeg/lbw007>

- Winner, North America Regional Science Council Graduate-Student-Led Paper Competition, the 59th Annual North American Meetings of the Regional Science Association International, Ottawa, ON, Canada, 2012

#R 1. **Zhang, W.** and C. J. Nickerson. 2015. “The Housing Market Bust and Farmland Values: Identifying the Changing Influence of Proximity to Urban Centers.” *Land Economics*, 91(4): 605-626. **Lead Article**. <https://doi.org/10.3368/le.91.4.605>

- Winner, North America Regional Science Council Graduate-Student-Led Paper Competition, the 60th Annual North American Meetings of the Regional Science Association International, Atlanta, GA, 2013

Invited or Editor-Reviewed Articles in Journals

(* denote undergraduate students advised)

1. Li[^], M., and **W. Zhang**. June 2021. “[Trade Policies Have Environmental Implications](#)”, *Nature Food (Invited News and Views Article)*, **Corresponding Author**, 2: 559-560, <https://doi.org/10.1038/s43016-021-00342-5>

1. **Zhang, W.**, and Z. Beek*. 2016. “[Trends and Determinants of U.S. Farmland Values: Evidence from Iowa Land Value Survey since 1950](#)”, *Farm Policy Journal*, Australian Farm Institute, 13(2) (*Invited*)

Book Chapters

2. Irwin, E.G., G.L. Buckley, M. Gnagey, N. Irwin, D. Newburn, E. Pierce, D. Wrenn and **W. Zhang**. "[The Role of Regulations and Norms in Land Use Change](#)." In *Science for the Sustainable City: Empirical Insights from the*

Baltimore School of Urban Ecology, edited by Steward T. A. Pickett, Mary L. Cadenasso, J. Morgan Grove, Elena G. Irwin, Emma J. Rosi, Christopher M. Swan, 112-31. NEW HAVEN; LONDON: *Yale University Press*.

1. Nickerson, C. J. and **W. Zhang**. 2014. "[Modeling the Determinants of Farmland Values in the U.S.](#)" in *The Oxford Handbook of Land Economics*, ed. Josh M. Duke and Junjie Wu. *Oxford University Press*, pp. 111-138.

Non-Peer Reviewed Research Reports

11. Tong, J. and **W. Zhang**. 2022. "[Educational Preferences on Farmland Leasing, Conservation Practices, and Transition Plans: Voices of Iowa Women Farmland Owners](#)." Working paper 22-WP 633. Center for Agricultural and Rural Development, Iowa State University.
10. Crespi, J.M., C.E. Hart, C.C. Pudenz, L.L. Schulz, O. Wongpiyabovorn, and **W. Zhang**. 2022. "[An Examination of Recent Fertilizer Price Changes](#)." Staff report 22-SR 117. Center for Agricultural and Rural Development, Iowa State University.
9. Li, M., and **W. Zhang**. 2021. "[Finding Firmer Ground: the Role of Agricultural Cooperation in U.S.-China Relations](#)." A report by [U.S. Heartland China Association](#) and [the Carter Center](#).
8. Wan, X., Y. Ji, and **W. Zhang**. 2021. "[the Iowa Lakes Valuation Project 2019: Summary and Findings](#)." A Report to the Iowa Department of Natural Resources (DNR), CARD Staff Report 21-SR-115, November 2021
7. Cheng, N. and **W. Zhang**. 2021. "[The OREI Cucurbit Crops Project Year 1 Whole Team and Advisory Panel/Cooperative Grower Surveys](#)". February 2021
6. **Zhang, W.**, and D.M. Wishart. 2019. "[A Report on Results of Surveys to Measure the Demand for Designating the Mad River in Clark County Ohio a Recreational River](#)". April 2019
5. **Zhang, W.**, A. Plastina, and W. Sawadgo. 2018. "[Iowa Farmland Ownership and Tenure Survey 1982–2017: A Thirty-five Year Perspective](#)." Iowa State University Extension and Outreach, CARD working paper #18-WP 580, <https://store.extension.iastate.edu/product/6492>
4. Kling, C. L., R. W. Arritt, G. Calhoun, D. A. Keiser, J. M. Antle, J. Arnold, M. Carriquiry, I. Chaubey, P. Christensen, B. Ganapathysubramanian, P. Gassman, W. Gutowski, T. W. Hertel, G. Hoogenboom, E. G. Irwin, M. Khanna, P. Mérel, D. Phaneuf, A. Plantinga, P. Preckel, S. Polasky, S. Rabotyagov, I. Rudik, S. Secchi, A. Smith, A. Vanloocke, C. Wolter, **W. Zhang**, and J. Zhao. 2016. [Research needs and challenges in the FEW system: Coupling economic models with agronomic, hydrologic, and bioenergy models for sustainable food, energy, and water systems](#). Ames, IA: Iowa State University Center for Agricultural and Rural Development (CARD) Working Paper 16-WP 563. A white paper prepared for the National Science Foundation's Food, Energy, and Water Workshop held at Iowa State University, October 11–12, 2015.
3. Burnett, E.A., R. S. Wilson, B. E. Roe, G. Howard, E. G. Irwin, **W. Zhang**, and J. Martin. 2015. [Farmers, phosphorus and water quality: Part II. A descriptive report of beliefs, attitudes and best management practices in the Maumee Watershed of the western Lake Erie Basin](#). Columbus, OH: The Ohio State University, School of Environment & Natural Resources.
2. Sohngen, B., **W. Zhang**, J. Bruskotter, and B. Sheldon. 2015. [Results from a 2014 Survey of Lake Erie Anglers](#). Columbus, OH: The Ohio State University, Department of Agricultural, Environmental and Development Economics and School of Environment & Natural Resources.
1. **Zhang, W.**, B. Ward, and E. G. Irwin, 2014, "[The Trends and Determinants of Farmland Sale Prices in Western Ohio 2001-2010](#)", *the Ohio State University Extension Bulletin*

Working Papers

(* denote undergraduate students advised; ^ graduate students; + postdocs advised)

- Cheng[^], N., C. Tang, P. Liu, M. Li, and **W. Zhang**. 2023. "[Pipeline Incidents and Property Values: A Nationwide Hedonic Analysis](#)", **2nd revise and resubmit** at *Journal of Environmental Economics and Management*
- Saeed, R., A. Ur Rehman, S.M Hasan, and **W. Zhang**. 2023. [Carbon Emissions from Household Energy Use in Pakistan: Policy Implications for Climate Mitigation and Regional Development](#). **Revise and resubmit** at *Energy Policy*
- Tong, J., **W. Zhang**, C. DeLong, J. Benning, and M. Schultz. 2023. [What Women Landowners Want to Know about Conservation?](#) **Revise and resubmit** at *Renewable Agriculture and Food Systems*
- Wan, X., and G. Howard, and **W. Zhang**. 2023. [Enrollment Restrictions and the Adoption of Conservation Practices in the U.S. Corn Belt](#). **Revisions requested** at *Land Economics*
- Mei, Y., J. Qiu., **W. Zhang**, S. Chaudhary, P. Liu. 2024. "Do Carbon Markets Promote Environmental Justice? Evidence from China's Certified Emission Reduction Program." **Under review** at *PNAS*
- Cheng[^], N., T. Xiong, and **W. Zhang**. December 2022. "[The Impact of China's Place-Based Environmental Regulations on Its Hog Industry: A Synthetic Difference-in-differences Approach](#)", **revisions requested** at *Canadian Journal of Agricultural Economics*
- Graziano, M., K. Meyer, P. Liu, and **W. Zhang**. 2023. "Impact of Waterborne E. Coli Outbreaks on Local Communities: Evidence from Housing Transactions in Michigan", **2nd revisions requested** at *Agricultural and Resource Economic Review*
- Fiechter, C., T. Kuethe, and **W. Zhang**. 2023. Information Rigidities and Farmland Value Expectations. **Revise and resubmit** at *Land Economics*
- Rodriguez, L., S. Qu, G. Han, **W. Zhang**, M. Li, and E. Cork. 2022. "[What Midwest Farmers Think about the Trade Dispute with China: Concerns, Claims, Solutions, and Information Needs](#)", **revise and resubmit** at *Sage Open*
- Qu, X., Q. Lu, M. Li, and **W. Zhang**. 2024. "Broadband Internet Speed Upgrades and Farmland Market: A Shift-Share Instrumental Variable Approach." **Under Review**
- Wan[^], X., Y. Ji, **W. Zhang**, and P. Liu. "Integrating Recreational Benefits into Hedonic Property Value Models: Evidence from Iowa"
- Wan[^], X., J. Shr, and **W. Zhang**. 2023. Air Pollution and Recreational Visits: Evidence from Wildfire Smoke.
- Fan[^], W., J. Crespi, and **W. Zhang**. 2023. The Economic Impact of Microbeads Ban on Facial Cleaners: Evidence from Nielsen Scanner Data.
- Fan[^], W., Y. Ji, and **W. Zhang**. 2023. Recreational Benefit Disparity? Evidence from Underrepresented Populations in Iowa.
- Li, Z., A. Ortiz-Bobea, and **W. Zhang**. 2023. The Impact of Large-Scale Solar Developments on Farmland Values: Evidence from New York State.

Work in Progress

(* denote undergraduate students advised; ^ graduate students; + postdocs advised)

- Xi, H., E.J. Balistreri, A. Yang, and **W. Zhang**. "Agricultural Trade Impacts of RCEP: an Integrated Partial

Equilibrium and General Equilibrium Assessment with Disaggregated Commodities”

Xi, H., G. DePaula, and **W. Zhang**. “Roads, Trade, and Development: Evidence from the Agricultural Boom in Brazil”

Li[^], H., J. Ai, G. Lyn, A. Yang, and **W. Zhang**. “Anti-Granular Comparative Advantage”

Zhang, W. H. Jeon, Y. Xu, X. Wan, S. Sohngen, and S. Ludsin. “Harmful Algal Blooms and Angler Welfare: A Spatially Integrated Economic-Ecological Model of Lake Erie Recreational Anglers”

GRANTS AND CONTRACTS

Funded

CORNELL UNIVERSITY

(Total: \$ 5,531,426)

36. Kling, C.L., **W. Zhang**, D. Phaneuf, Y. Ji. 2024. **(co-PI) \$650,000**. “Developing Standardized Nonmarket Valuation and Benefits Transfer Methods Using Nationwide Cellphone Location and Foot Traffic Data.” USDA Agriculture and Food Research Initiative (AFRI) Competitive Grants Program Foundational and Applied Science Program. 2025/7-2028/6.
35. **Zhang, W.**, D. McLaughlin, C. Wolf, L. Ray. 2024. **(PI) \$99,258**. “Assessing the Scale, Longevity and Equity of Methane Emission Reduction from Dairy Anaerobic Digester Systems.” EDF-Atkinson Joint Research Funds, 2024/6-2025/12.
34. **Liao, C.**, J. Kao-Kniffin, S. McCouch, P. Tshabalala, and **W. Zhang**. 2023. **(Co-PI) \$37,433**. “Agricultural Floodplain Rice Farming for Just Technological Futures: An Environmental Justice Perspective.” Cornell University College of Agriculture and Life Sciences Moonshot Challenge Proposal Development Award. 2023/10-2024/9.
33. Liu, P., and **W. Zhang**. 2023. **(Co-PI) \$10,000**. “Restaurant Visitation as a Proxy for Urban Amenity: Implications for Housing Price Dynamics.” The Stanley Sun Faculty Global Research Fund in Hospitality Research. 2023/10-2024/9.
32. Stedman, R.C., B. Lauber, D.L. Kay, and **W. Zhang**. 2023. **(Co-PI) \$89,046**. “Assessing Landowner Willingness to Host Agrivoltaic Systems in New York State.” USDA Hatch Project. 2023/10-2026/9.
31. Wolf, C., and **W. Zhang**. 2023. **(Co-PI) \$29,200**. “Dairy Farm Value of Carbon Credits: The Case of Renewable Natural Gas from Anaerobic Digesters.” USDA Hatch Project. 2023/10-2025/9.
30. **Zhang, W.** 2023. **(PI) \$58,000**. “Collecting Better-Quality Data on Farmland Values and Rents in New York State to Inform Decision Making.” USDA Hatch Project. 2023/10-2026/9.
29. **Zhang, W.**, and D.L. Kay. 2023. **(PI) \$29,826**. “Decoding Foreign Land Ownership and Farmland-Solar Competition in New York State.” USDA Hatch Project Multi-State Project NC1177: Agricultural and Rural Finance Markets in Transition. 2023/10-2024/9.
28. Gonthier, D.A., A. Nair, **W. Zhang**, R. Bessin, K. Dentzman, S. Pethybridge, M. Williams, A.R. Sciligo, and H.C. Dantzker, **(co-PI), \$3,500,000**, “Expanding Resilient Climate And Pest Protection Systems For Diversified Organic Specialty Crop Producers”, *USDA National Institute of Food and Agriculture (NIFA) Organic Agriculture Research and Extension Initiative (OREI)*, 2023/10-2027/9.

27. Comito, J., and **W. Zhang, (co-PI), \$120,720**, “Decoding and Leveraging the Farmer Messenger Effect to Accelerate the Adoption of Critical Edge-of-Field Conservation Practices”, *Iowa Nutrient Research Center* 2023/08-2025/07.
26. Zhang, W., X. Wan, **W. Zhang**, and J. Zheng. **(Co-PI), \$100,000**, “From Awareness to Action: Assessing PFAS Exposure in Communities and Evaluating the Effectiveness of its Mitigation Strategies.” *Illinois-Indiana Sea Grant*, 2023/10-2025/05.
25. **Zhang, W.**, and P. Liu. **(PI), \$39,996**, “Quantifying the Economic Value of Reducing Aquatic Invasive Species in NYS Waterways: A Case Study of Water Chestnut.” *New York State Water Resources Institute*, 2023/04-2024/07.
24. Feng, H., C. Lu, and **W. Zhang, (co-PI), \$56,385**, “Spatially Delineated Carbon Credit Potential and Implied Nutrient Reduction Co-Benefit: an Assessment with Integrated Ecological and Economic Modeling Framework”, *Iowa Nutrient Research Center* 2022/08-2024/07.
23. Hart, C., and **W. Zhang, (co-PI), \$42,000**, “Landowners Matter Too: Accelerating Adoption of in-Field and Edge-of-Field Nutrient Reduction Practices Through Better Engaged Landowners”, *Iowa Nutrient Research Center* 2022/08-2024/07.
22. **Zhang, W.**, D. Hayes, M. Li, X. He, M. Carriquiry, and A. Elobeid. **(PI), \$30,000**, “Renewable Diesel and US Livestock Production and Trade.” *USDA Economic Research Service*, 2022/01-2023/12.
21. **Zhang, W.**, D. Hayes, G. Hu, T. Xiong and X. He, **(PI), \$649,662**, “Measuring and Forecasting China’s Agricultural Production, Stocks, and Imports with High Quality Data and Machine Learning Methods”, *USDA Agriculture and Food Research Initiative (AFRI) Markets, Trade and Economics*, 2022/01-2024/12.

IOWA STATE UNIVERSITY

(Total: \$ 6,591,214; \$5,775,214 to ISU and \$1,442,414 to Zhang)

20. **(co-PI) Horizon II: A Climate Smart Future for Corn, Soybean, Livestock, and Renewable Natural Gas Production.** Lead Partner: Roeslein Alternative Energy, LLC (RAE). Major Partners: Biostar Renewables, Conservation Districts of Iowa, Iowa Agriculture Water Alliance, Iowa Soybean Association, Iowa State University (ISU), Missouri Prairie Foundation, Sievers Family Farms, Soil and Water Outcomes Fund, Smithfield Foods, The Nature Conservancy, University of Missouri, Verdesian, Veterans in Agriculture. Funder USDA. Lead PIs Lisa Schulte Moore (ISU) and Rudolph Roeslein (RAE) **(\$80 million total; \$11.5 million, ISU).**
19. Feng, H., S. Carlson, S. Hickey, E. Reaves, L. Schulte-Moore, and **W. Zhang, (co-PI), \$148,284**, “The Effectiveness of Carbon Credit Programs at Reducing Nutrient Losses: An Assessment of Public and Private Conservation Programs and their Interactions”, *Iowa Nutrient Research Center* 2021/08-2023/07.
18. Comito, J., and **W. Zhang, (co-PI), \$79,565**, “Identifying the Barriers and Strategies to Accelerate the Adoption of Critical Edge-of-Field Conservation Practices: A Farmer-Centric Integrated Research & Extension Approach”, *Iowa Nutrient Research Center* 2021/08-2022/12.
17. **Zhang, W.**, Y. Ji, D. Swenson, and X. Wan. **(PI), \$39,700**. “Environmental Justice for All: Nutrient Impacts on Lake-Based Recreation and Tourism by Rural and Socially Disadvantaged Iowans”, *Iowa Water Center and Iowa Nutrient Research Center*, 2021/01-2021/12.
16. Schultz, M., M. O’Rourke, **W. Zhang**, K. Tidgren, and K. Tidgren, **(co-PI), \$300,000**, “Enhancing Conservation, Access and Generational Transition of Iowa Farmland through Senior Women Landowners”, *USDA Agriculture and Food Research Initiative (AFRI) Critical Agricultural Research and Extension (CARE)*, 2021/10-2023/09.

15. Schultz, M., M. O'Rourke, and **W. Zhang** (co-PI), **\$40,000**. "Women Managing Farmland", *Farm Credit Services of America*, 2020-2020.
14. **Zhang, W.**, and Y. Ji. (PI), **\$179,534**. "The 2019 Iowa Lakes Survey", *Iowa Department of Natural Resources*, Contract # 20CRDLWMBALM-0005, 2019 – 2021.
13. McDaniel, M., M. Davis, **W. Zhang**, and J. Sawyer, (co-PI), **\$170,327**, "Investigating the Double-Impact of Soil Health Promoting Practices on Water Quality", *Iowa Nutrient Research Center* 2019-2021.
12. Gleason, M., X. Zhang, G. Beattie, A. Nair, **W. Zhang**, L. Iles, R. Bessin, L.W. Morton, S. Pethybridge, M. Williams, D.A. Gonthier, and H.C. Dantzker, (co-PI), **\$2,000,000**, "Resilient Systems for Sustainable Management of Cucurbit Crops", *USDA National Institute of Food and Agriculture (NIFA) Organic Agriculture Research and Extension Initiative (OREI)*, 2019/10-2022/9.
11. Balistreri, E., D. Hayes, M. Li, and **W. Zhang**, (PI), **\$500,000**, "Quantifying the Transmission of U.S.-China and Global Policy Impacts through a New Commodity-Specific International General-Equilibrium System", *USDA Agriculture and Food Research Initiative (AFRI) Markets, Trade and Economics*, 2019/6-2022/5. (E. Balistreri was PI from 2019/06-2020/07 before he moved to University of Nebraska)
10. Plastina, A., **W. Zhang**, and M. McDaniel (co-PI), **\$103,334**, "Monetizing Soil Health: An Innovative Strategy to Drive Greater Adoption of Cover Crops and No-till", *Iowa Nutrient Research Center* 2018-2020.
9. Schultz, M., **W. Zhang**, and C. Brown (co-PI), **\$199,000**, "Improving Risk Management on Family Farms Through Women in Iowa", *U.S. Department of Agriculture Risk Management Agency (USDA-RMA)*, 2018-2020.
8. Gleason, M., L. Iles, A. Nair, **W. Zhang**, B. Sanders, and T. Eaton (co-PI), **\$30,000**, "Optimizing Mesotunnel Systems for Sustainable Production of Cucurbit Crops", *North Central Region – Sustainable Agriculture Research and Education (NCR-SARE)*, 2018-2020.
7. Shr, J., C. Tang, C.L. Kling, and **W. Zhang** (co-PI), **\$60,000**, "The Economic Benefits of Mitigating Harmful Algal Blooms in Iowa", *Iowa Water Center*, 2018-2020.
6. **Zhang, W.** and A. Plastina, (PI), **\$29,638**, "Land Tenure, Conservation, and Owner Absenteeism: Insights from Joint Analysis of Federal and State Survey Data", *U.S. Department of Agriculture Economic Research Service (USDA-ERS) Cooperative Agreement 58-6000-8-0021*, 2018-2020.
5. Plastina, A., **W. Zhang**, and M. McDaniel, (co-PI), **\$103,334**, "Monetizing Soil Health: An Innovative Strategy to Drive Greater Adoption of Cover Crops and No-Till", *Iowa Nutrient Research Center*, 2019-2020.
4. **Zhang, W.** and G. Howard, (PI), **\$62,780**, "Improving the Effectiveness of Conservation Programs through Innovative Reverse Auctions and Sensible Enrollment Restrictions", *Iowa Nutrient Research Center*, 2017-2019.
3. Laird, D., S. Archontoulis, R. Brown, D. Hayes, F. Miguez, A. Plastina, M. Mba-Waright, **W. Zhang**, and D. Zilberman (University of California-Berkeley) (co-PI), **\$1.9 million**, "the Pyrolysis-Bioenergy-Biochar Pathway to Carbon-Negative Energy", *Stanford University Global Climate & Energy Project*, 2015-2018. (B. Babcock transferred this project to me and A. Plastina in fall 2016).
2. **Zhang, W.** and A. Plastina, (PI), **\$19,974**, "Who Will Own Iowa's Farmland? A Comparative Study of Farmland Ownership, Tenure and Succession in Iowa", *the Leopold Center for Sustainable Agriculture*, 2017-2019.
1. **Zhang, W.** and A. Plastina, (PI), **\$79,416**, "Land Tenure and Nutrient Management Practices: Identifying Economic Barriers and Incentives for Landowners and Tenants to Meet Growing Soil and Water Conservation Needs", *Iowa Nutrient Research Center*, 2017-2019.

The Ohio State University (Total: \$ 203,949)

2. Irwin, E. G., M. E. Fraker, S. Y. Gebremariam, J. F. Martin, and **W. Zhang**, (**Only graduate student co-PI, co-PIs alphabetically ordered**), **\$198,955**, “Linking Agricultural Production and Great Lakes Ecosystem Services: Modeling and Valuing the Impacts of Harmful Algal Blooms in Lake Erie”, *NOAA/Ohio Sea Grant*, 2014-2016.
 - Led the grant writing and an interdisciplinary team of ecological engineers, biologists and economists
1. **Zhang, W.**, (**PI**), **\$4,994**, “From Farmers’ Management Decisions to Watershed Environmental Quality: A Spatially Explicit Behavioral Model of Agricultural Best Management Practice Choices”, *Ohio Agricultural Research and Development Center (OARDC) SEEDS Graduate Research Enhancement Grant*, Ph.D. Program. 2013-2014.

Inventions and Patents

Gebremariam, S. Y., E. G. Irwin, **W. Zhang**, S. A. Ludsin, N. Chen, and J. F. Martin. 2014. *SWAT Watershed Model Codes*. The Ohio State University, Tech ID #T2014-056.

RESEARCH CONFERENCE PRESENTATIONS and INVITED SEMINARS

Invited Research Seminars

- 2024: University of Florida, Department of Food and Resource Economics
Farm Credit Administration
The Penn State University, Department of Agricultural Economics, Sociology and Extension
University of Wisconsin at Madison, Department of Agricultural and Applied Economics
Renmin University of China, School of Agricultural and Rural Development
Renmin University of China, School of Applied Economics
Zhongnan University of Economics and Law, School of Economics
Huazhong Agricultural University, School of Economics and Management
University of Gottingen, Department of Agricultural Economics
- 2023: Federal Reserve Bank at Chicago, Midwest Agriculture Conference
AEM 7030: Research Seminar for Dyson MS Students
AEM 1101: Design Your Dyson for Freshman Dyson Students
New York State Assessors Association Cornell Seminar
American Society of Farm Managers and Rural Appraisers National Conference
- 2022: Online Agricultural and Resource Economics (OARES) Seminar
Iowa Learning Farms
College of Wooster, Department of Economics
the Ohio State University, Department of Agricultural, Environmental and Development Economics
New Mexico State University, Economics, Applied Statistics, and International Business Department
University of Nebraska – Lincoln, CME / Yeutter Institute Conference
Auburn University, Department of Agricultural Economics and Rural Sociology
- 2021: Huazhong Agricultural University, College of Economics and Management
Renmin University of China, School of Applied Economics
Jinan University, the Institute of Economic and Social Research (IESR), China
Iowa Learning Farms
- 2020: Pennsylvania State University, Department of Agricultural Economics, Sociology and Education
WiNDC (Wisconsin National Data Consortium) Online Webinar (joint with Ed Balistreri and Xi He)

US EPA Hypoxia Task Force Ecosystem/Social Metrics Workgroup
University of Northern Iowa, Department of Biology

- 2019: Mississippi State University, Department of Agricultural Economics
Lafayette College, Department of Economics
Iowa State University, Department of Agronomy, Soils Seminar
North Carolina State University, Department of Agricultural and Resource Economics
East Carolina University, Department of Economics
- 2018: USDA 94th Annual Agricultural Outlook Forum, Washington, DC (Invited panelist)
University of Kentucky, Department of Economics (*presented by E.G. Irwin*)
- 2016: Nanjing Agricultural University, College of Finance
China Agricultural University, Department of Land Management
Iowa State University Sustainable Agriculture Graduate Program Colloquium, Ames, IA
- 2014: Iowa State University, Department of Economics

Conference Presentations

- 2023: Agricultural and Applied Economic Association (AAEA), Washington, DC
ASFMRA (American Society of Farm Managers and Rural Appraisers) National Conference, Nashville, TN
Chicago Fed Midwest Agriculture Conference, Chicago, IL
- 2022: Agricultural and Applied Economic Association (AAEA), Anaheim, CA
Northeast Agricultural and Resource Economics Association (NAREA), Mystic, CT
- 2021: Southern Economics Association Annual Conference (*presented by X. Wan and G. Lyn*)
Western Economic Association International (WEAI) Annual Conference (*presented by N. Cheng, and Y.-H. Shr*)
Agricultural and Applied Economic Association (AAEA), Austin, TX, August 2021
Northeastern Agricultural and Resource Economics Association (NAREA) (*presented by N. Cheng, X. Wan*)
Iowa Ideas Conference (*panelist on eco-tourism*)
Iowa Water Center 2021 Virtual Annual Harmful Algal Blooms (HABs) Symposium
- 2020: 12th Annual CAER-IFPRI Conference (*Nanjing, China, online, presented by N. Cheng*)
Sustainable Agriculture Summit (*Panelist*)
North Central Farm Management Executive Committee / Midwest & Great Plains Outlook Conference (*panlist*)
Chinese Economist Society 2020 North American Conference, Boston, MA (*selected presentation, online*)
Annual Meeting of the Applied and Agricultural Economic Association, Kansas City, MO (*selected Presentation & poster*)
- 2019: Heartland Environmental and Resources Economics Workshop 2019, Urbana, IL (*selected presentation and selected poster*)
National Agricultural Credit Committee / NC-1177 Annual Meeting: Agricultural and Rural Finance Markets in Transition, Dallas, TX (*selected presentation*)
Integrated Assessment Models of Water Quality workshop, Cornell University and Iowa State University, Ithaca, NY (*selected presentation*)
USDA Economic Research Service sponsored workshop “Applications and Potential of Ecosystem Services Valuation within USDA – Advancing the Science”, April 2019 (*selected presentation*)
Annual Meeting of the Applied and Agricultural Economic Association, Atlanta, GA (*selected presentation for AFM track session*)
2019 AAEA Post-Conference Workshop “Challenges, Implications, and the Future of Agricultural Trade

between the US and China” organized by AAEA China Section, Zhejiang University and Purdue University, Atlanta, GA (*selected presentation*)

- 2018: American Society of Farm Managers and Rural Appraisers (ASFMRA) 2018 Annual Conference, Phoenix, AZ (*invited*)
Heartland Environmental and Resources Economics Workshop 2018, Urbana, IL (*selected poster*)
North Central Farm Management Executive Committee Annual Meeting, Ames, IA (*invited*)
National Agricultural Credit Committee / NC-1177 Annual Meeting: Agricultural and Rural Finance Markets in Transition, St Louis, MO (*selected presentation*)
Annual Meeting of the Applied and Agricultural Economic Association, Washington, DC (*selected Presentation, presented by H. Liu*)
10th Annual Land Investment Expo, Des Moines, IA (*invited*)
2018 Farm Futures Business Summit, Coralville, IA (*invited*)
USDA 94th Annual Agricultural Outlook Forum, Washington, DC (*invited*)
Chinese Economist Society 2018 North American Conference, Athens, GA (*selected presentation*)
12th World Congress of Regional Science Association International, Goa, India (*selected presentation, presented by S. Hasan*)
6th World Congress of Environmental and Resource Economists, Gothenburg, Sweden (*selected presentation, presented by E. G. Irwin*)
- 2017: PAgES: An Interdisciplinary Science Workshop on Payments for Agro-Ecosystem Services, workshop funded by USDA-NIFA/AFRI Agroecosystem Management Program (*invited*)
National Agricultural Credit Committee / NC-1177 Annual Meeting: Agricultural and Rural Finance Markets in Transition, Minneapolis, MN (*selected presentation*)
Annual Meeting of the Applied and Agricultural Economic Association, Chicago, IL (*selected presentation*)
Annual Meeting of Association of Environmental Resource Economists, Pittsburgh, PA (*selected presentation*)
USDA Economic Research Service and C-FARE Webinar on Farm Income and Land Value Outlook (*invited*)
- 2016: Agri Investor Forum 2016, Chicago, IL (*invited*)
National Agricultural Credit Committee / NC-1177 Annual Meeting: Agricultural and Rural Finance Markets in Transition, Denver, CO (*selected presentation*)
North Central Farm Management Conference / National Farm Management Conference, Sioux Falls, SD the Midwest, Great Plains and Western Outlook Conference, Des Moines, IA (*selected presentation*)
the Prairie Lakes Conference, Okoboji, IA (*invited*)
Annual Meeting of the Applied and Agricultural Economic Association, Boston, MA (*selected presentation*)
Association of Environmental and Resource Economists 5th Annual Conference, Breckenridge, CO (*selected presentation*)
the National Farm Business Management Conference, Sioux Falls, SD (*selected presentation*)
Strategies for Building Health Soils, Iowa State University Extension and Outreach (*selected poster*)
- 2015: USDA NRCS Soil Renaissance - Economics of Soil Health Workshop, Farm Foundation and U.S. Department of Agriculture – Economics Research Service, Washington, DC (*selected poster*)
Joint Annual Meeting of the Applied and Agricultural Economic Association & Western Agricultural Economic Association, San Francisco, CA (*selected presentation*)
The 2015 Workshop on Water Quality Economics, the Joint Annual Meeting & Workshop of the Northeast Agricultural and Resource Economics Association and the Canadian Agricultural Economics Society, Newport, RI (*selected presentation*)
Association of Environmental and Resource Economists 4th Annual Conference, San Diego, CA (*selected presentation*)
59th National Australian Agricultural & Resource Economics Society Annual Conference, Rotorua, New Zealand (*selected presentation, presented by B. Sohngen*)
- 2014: A Community on Ecosystem Services: Linking Science, Practice and Decision Making (*presented on behalf of*

E.G. Irwin)

Heartland Environmental and Resource Economics Workshop, Champaign, IL (*poster*)

Pathways 2014 Conference: Integrating Human Dimensions into Fish and Wildlife, Estes Park, CO

Association of Environmental and Resource Economics sessions at the 2014 Annual Meeting of the Southern Economic Association, Atlanta, GA

Annual Meeting of the Applied and Agricultural Economic Association, Minneapolis, MN

2013: Urban Economic Association sessions at the 60th Annual North American Meetings of the Regional Science Association International, Atlanta, GA

Heartland Environmental and Resource Economics Workshop at Champaign, IL

Annual Meeting of the Applied and Agricultural Economic Association, Washington, D.C.

6th Midwest Graduate Student Conference on Regional and Applied Economics, Columbus, OH

Midwest Economic Association Annual Meeting, Columbus, OH

13th Annual American Ecological Engineering Society Meeting, East Lansing, MI (*presented by S. Gebremariam*)

56th Annual Conference on Great Lakes Research, West Lafayette, IN (*presented by S. Gebremariam*)

2012: 4th International EcoSummit, Columbus, OH (*Poster*)

5th Annual Midwest Graduate Student Summit on Regional, Population, Health & Environmental Economics, West Lafayette, IN

Annual Meeting of the Applied and Agricultural Economic Association, Seattle, WA

Urban Economic Association sessions at the 59th Annual North American Meetings of the Regional Science Association International, Ottawa, Canada (*selected presentation*)

EXTENSION ACTIVITIES

Extension Program Overview

I have developed a strong and nationally recognized program that addresses critical farm management issues relevant to Iowa, New York, and the U.S., including the economics of farmland and cropping systems, analysis of technology adoption, international agriculture and agricultural trade, land management practices and nutrient reduction issues.

My extension program has four interrelated focus areas: (1) the analysis of U.S. farmland market; (2) the growing significance of China and Chinese agriculture to U.S. agricultural economy, especially through the ISU China Ag Center I co-founded; (3) conservation practice and technology adoption by row crop and specialty crop growers; (4) the interplay between agricultural production, land management decisions, and soil and water quality.

My extension program has received national and university awards, including the 2019 AAEA Bruce Garner Memorial Prize for Applied Policy Analysis Award, the 2021 AAEA Distinguished Extension/Outreach Program Award, Individual: Less than Ten Years' Experience, the 2021 Young Professional Achievement Award from the Ohio State University CFAES Alumni Society, the 2021 Iowa State University College of Agriculture and Life Sciences Early Achievement Award in Extension and Outreach and Iowa State University College of Agriculture and Life Sciences Dean's Citation for Extraordinary Contributions in 2020.

A New Extension Collaborative Initiative for New York State

A Joint Publication on New York State Farmland Market by Cornell Cooperative Extension, Dyson School, and ASFMRA Northeast Chapter

Guay, R., R. Stone, **W. Zhang**, S. Sweeney, P. Harrington, and K. McDowell. 2024. "[2024 New York State Land Value Trends](#)." A Joint Publication of Cornell Dyson School of Applied Economics and Management, Cornell Cooperative Extension, and the American Society of Farm Managers and Rural Appraisers (ASFMRA) Northeast Chapter. Available at <https://www.asfmra.org/resources/land-trends>

Extension Web-Portals

New York State Large-Scale Solar Facility Web-Portal: <https://tinyurl.com/NYSsolar>

Foreign Ownership of US Agricultural Lands Web-Maps: <https://wendongzhang.weebly.com/extension/afida>

Iowa Farmland Portal at www.card.iastate.edu/farmland/

Your One-Stop Web-Portal for Everything You Need to Know about Iowa's Farmland Value and Ownership

- Annual ISU Land Value Survey: <https://www.card.iastate.edu/farmland/isu-survey>

- 2017 and 2022 Iowa Farmland Ownership and Tenure Survey: <https://www.card.iastate.edu/farmland/ownership/>

ISU China Ag Center at www.card.iastate.edu/china/

The Center for China-US Agricultural Economics and Policy is a collaborative research center established by the Center for Agricultural and Rural Development (CARD) at Iowa State University and the Institute of Agricultural Economics and Development (CAAS-IAED), in the Chinese Academy of Agricultural Sciences. Housed separately under CARD and CAAS-IAED, the center conducts research and outreach in the areas of trade and agricultural markets, agricultural policy, resource and environmental policy, science and technology policy, and agricultural IO & institutions in crop and livestock sectors. The center publishes academic journal articles as well as policy briefs on key Chinese agricultural markets and policy issues that are geared toward both US and Chinese

policymakers, industry stakeholders, and the media.

Extension Conference Organized

New York State Assessors Association, Cornell Seminar (<https://nyassessor.org/cornell-seminar>)

Jointly organized with David Kay at Cornell Global Development

Week-long program attended by New York State assessors

Topics: Conservation Easements, Flooding Impacts on Property Values, Farmland Value and Ownership; Utility-Scale Solar Facilities; New York State's Agriculture Contributions to State Economy

89th to 94th Annual Soil Management and Land Valuation Conference, 2016-2022

Attendance: ~230 farm managers, appraisers, agricultural lenders

Topics: Agricultural Economy Outlook, Farmland and Equipment Values, Agricultural Carbon Credits Program, Farm Bill, Agricultural Trade and the Agricultural Economy, Weather Outlook, Fertilizer Prices, Conservation Easements, Crop and Livestock Market Outlook, Tenure and Transition Trends, Ag Law Update

Extension/Outreach Policy Briefs ([^] denote graduate students; * undergraduate students, ⁺ postdocs advised, ^{\$} visiting scholars)

17. Guay, R., R. Stone, **W. Zhang**, S. Sweeney, P. Harrington, and K. McDowell. 2024. "[2024 New York State Land Value Trends](#)." A Joint Publication of Cornell Dyson School of Applied Economics and Management, Cornell Cooperative Extension, and the American Society of Farm Managers and Rural Appraisers (ASFMRA) Northeast Chapter. Available at <https://www.asfmra.org/resources/land-trends>
16. Wang[^], F., and **W. Zhang**. 2024. "[Foreign Ownership and Leasehold of Agricultural Land in New York](#)" Extension Bulletin EB 2024-02. Dyson School of Applied Economics and Management. Cornell University.
15. Cheng[^], N., **W. Zhang**, and M. Gleason. 2023. "[Controlling Pests and Diseases Using Mesotunnels: Understanding Organic Cucurbit Crop Growers' Preferences and Choices](#)." Extension Bulletin EB 2023-05. Dyson School of Applied Economics and Management. Cornell University.
14. Tong[^], J. and **W. Zhang**. 2023. "[Iowa Farmland Ownership and Tenure Survey 1982-2022: A Forty-Year Perspective](#)." Working paper 23-WP 651. Center for Agricultural and Rural Development, Iowa State University.
13. Tong[^], J. and **W. Zhang**. 2022. "[Educational Preferences on Farmland Leasing, Conservation Practices, and Transition Plans: Voices of Iowa Women Farmland Owners](#)." Working paper 22-WP 633. Center for Agricultural and Rural Development, Iowa State University.
12. Crespi, J.M., C.E. Hart, C.C. Pudenz, L.L. Schulz, O. Wongpiyabovorn, and **W. Zhang**. 2022. "[An Examination of Recent Fertilizer Price Changes](#)." Staff report 22-SR 117. Center for Agricultural and Rural Development, Iowa State University.
11. Tidgren, K., and **W. Zhang**. 2021. "[The Tax Implications of the American Families Plan on Iowa Farmland Owners](#)" CARD Policy Brief 21-PB 35, August 2021, Center for Agricultural and Rural Development, Iowa State University.
10. Shr⁺, Y., and **W. Zhang**. 2021. "[Do Iowa Residents and Farmers Care about Improving Water Quality and Reducing Harmful Algal Blooms? Results from Two Household Surveys](#)" CARD Policy Brief 21-PB 32, April 2021, Center for Agricultural and Rural Development, Iowa State University.
9. Morton[^], A., Y. Wang, and **W. Zhang**. 2021. "[Willingness to Participate in Demand Response in the US](#)

- [Midwest: A Market with Great Potential?](#)” CARD Policy Brief 21-PB 31, February 2021, Center for Agricultural and Rural Development, Iowa State University.
8. Maule*, M., **W. Zhang**, and D. Baker. 2020. “[Iowa Farmers’ Business and Farm Transfer Plans: A Comparison between 2019 and 2006](#)” CARD Policy Brief 20-PB 30, December 2020, Center for Agricultural and Rural Development, Iowa State University.
 7. **Zhang, W.** 2020. “[2020 Iowa State University Land Value Survey: Overview](#)”, CARD working paper 20-WP 613, December 2020, Center for Agricultural and Rural Development, Iowa State University.
 6. He⁺, X., D. Hayes, and **W. Zhang**. 2020. “[China's Agricultural Imports under the Phase One Trade Deal: Is Success Possible in the COVID-19 Era?](#)”, *CARD Policy Brief* 20-PB 29, November 2020, Center for Agricultural and Rural Development, Iowa State University. [Originally Published in May 2020]
 5. Qu, S., **W. Zhang**, M. Li⁺, L. Rodriguez, G. Han, E. Cork, and J.M. Gbeda. 2019. “[Midwest Crop Farmers’ Perceptions of the U.S.-China Trade War](#)”, CARD working paper 19-PB 26, October 2019, Center for Agricultural and Rural Development, Iowa State University.
 - popular press article: **Zhang, W.**, L. Rodriguez, and S. Qu. 2019. “[3 Reasons Midwest Farmers Hurt by the US-China Trade War Still Support Trump](#)”, *the Conversation*, November 2019
 4. **Zhang, W.** 2018. “[2018 Iowa State University Land Value Survey: Overview](#)”, CARD working paper 18-WP 586, December 2018, Center for Agricultural and Rural Development, Iowa State University.
 3. Balistreri, E.J., C. E. Hart, D.J. Hayes, M. Li⁺, L. Schulz, D.A. Swenson, **W. Zhang**, and J.M. Crespi. 2018. “[The Impact of the 2018 Trade Disruptions on the Iowa Economy.](#)” CARD Policy Brief 18-PB 25, September 2018, Center for Agricultural and Rural Development, Iowa State University.
 - Winner of the 2019 AAEA Bruce Garner Memorial Prize for Applied Policy Analysis Award
 2. Li⁺, M., **W. Zhang**, and D.J. Hayes. 2018. “[China’s Agricultural Import Potential.](#)” CARD Policy Brief 18-PB 23, July 2018, Center for Agricultural and Rural Development, Iowa State University.
 1. Li⁺, M., **W. Zhang**, and C.E. Hart. 2018. “[What Can We Learn about U.S.-China Trade Disputes from China’s Past Trade Retaliations?](#)” CARD Policy Brief 18-PB-22. Center for Agricultural and Rural Development, Iowa State University.

Extension/Outreach Articles (^ denote graduate students; + postdocs advised, \$ visiting scholars)

79. Taylor, M., F. Attah, and **W. Zhang**. 2023, “[Foreign Investments in Agricultural Land.](#)” *Southern Ag Today*. May 2023.
78. **Zhang, W.** 2022, “[Record Iowa Farmland Values despite Concerns about Higher Inflation, Interest Rates.](#)” *Ag Decision Maker Newsletter*, Iowa State University Extension and Outreach, December 2022
77. Tong, J., and **W. Zhang**. 2022. “[Voices of Iowa Women Landowners on Conservation](#)” Blog at Iowa Learning Farms and Conservation Learning Group
76. **Zhang, W.** 2022. “[Will the Soaring Farmland Market Continue to Rise?](#)” *Ag Decision Maker Special Report*, Iowa State University Extension and Outreach, July 2022
75. **Zhang, W.** and M. Duffy, 2022, “[Comparing the Stock Market and Iowa Land Values: A Question of Timing](#)” *Ag Decision Maker Newsletter*, Iowa State University Extension and Outreach, July 2022
74. Du, Z., Feng, H., and **W. Zhang**. 2022. “[Carbon and Nutrient Co-benefits of Large Conservation Programs: An Illustration with EQIP in Iowa.](#)” *Agricultural Policy Review*, Spring 2022. Center for Agricultural and Rural Development, Iowa State University
73. He, X., D. Hayes, and **W. Zhang**. 2022. “[US Agricultural Exports to China during the Phase One Trade Deal: Larger Pie, Smaller Slice?](#)” *Agricultural Policy Review*, Spring 2022. Center for Agricultural and Rural

Development, Iowa State University.

72. Wan, X., Y. Ji, and **W. Zhang**. 2022. "[Iowa Lakes Drive over \\$1 Billion in Recreational Spending each Year.](#)" Agricultural Policy Review, Spring 2022. Center for Agricultural and Rural Development, Iowa State University
71. He, X, M. Carriquiry, **W. Zhang**, and D. Hayes. 2021. "[Predicting China's Corn Acreage and Production in 2021/22 and 2022/23](#)". Agricultural Policy Review, Fall 2021, Iowa State University Center for Agricultural and Rural Development (CARD)
70. He, X., Gil DePaula, and **W. Zhang**. 2021. "[Brazil's Transportation Infrastructure and Competitiveness in the Soybean Market](#)" Agricultural Policy Review, Fall 2021, Iowa State University Center for Agricultural and Rural Development (CARD)
69. Li, M., and **W. Zhang**. 2021. "[Finding Firmer Ground: the Role of Agricultural Cooperation in U.S.-China Relations.](#)" A report by U.S.-Heartland China Association and the Carter Center.
68. He⁺, X., and **W. Zhang**. 2021. "[China's Changing Population Structure and its Implications for US Agricultural Exports](#)", *Agricultural Policy Review*, Iowa State University Center for Agricultural and Rural Development (CARD), Spring 2021
67. **Zhang, W.** 2021. "[Will Iowa Farmland Values Continue to Rise?](#)", *Agricultural Policy Review*, Iowa State University Center for Agricultural and Rural Development (CARD), Spring 2021
66. Cheng, N., and **W. Zhang**. 2021. "[How do We Assess the Economic Efficiency of Mesotunnels? An Economist's Take](#)" ISU "Current Cucurbit" Blog, January 2021
65. Cheng, N., and **W. Zhang**. 2021. "[Does Investing in the Intelligent Sprayer Make Economic Sense?](#)" ISU "Smart Spraying for Apples" Blog, January 2021
64. He⁺, X., D. Hayes, and **W. Zhang**. 2021. "[Is China's Hog Rebuilding Complete? Reconciling Inventory and Price Data](#)", *Agricultural Policy Review*, Iowa State University Center for Agricultural and Rural Development (CARD), Winter 2021
63. **Zhang, W.** 2021. "[Outlook for Land Values in 2021 and Beyond: Results from the 2020 Iowa Land Value Survey](#)" *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. January 2021
62. **Zhang, W.** 2020. "[A Brief Argument for Healthy US-China Agricultural Trade Relations Despite Deglobalization Pressures](#)" *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. November 2020
61. **Zhang, W.**, and M. Li, 2020. "[Most US Farmers Remain Loyal to Trump Despite Pain from Trade Wars and COVID-19](#)" *the Conversation*. October 2020 ([French Version](#))
60. He⁺, X., D. Hayes, and **W. Zhang**. 2020. "[Upheaval in China's Corn Market: Will China Expand Its Corn Tariff Rate Quota?](#)", *Agricultural Policy Review*, Iowa State University Center for Agricultural and Rural Development (CARD), Fall 2020
59. He⁺, X., D. Hayes, and **W. Zhang**. 2020. "[The Impact of Flooding on China's Agricultural Production and Food Security in 2020](#)", *Agricultural Policy Review*, Iowa State University Center for Agricultural and Rural Development (CARD), Fall 2020
58. Chen[^], C., T. Xiong^s, and **W. Zhang**. 2020. "[Large Hog Companies Gain from China's Ongoing African Swine Fever](#)", *Agricultural Policy Review*, Iowa State University Center for Agricultural and Rural Development (CARD), Spring 2020
57. He⁺, X., and **W. Zhang**. 2020. "[Implications of Hong Kong's Potential Special Status Revocation for Agricultural](#)

[Trade between the United States, Hong Kong, and Mainland China](#)", *Agricultural Policy Review*, Iowa State University Center for Agricultural and Rural Development (CARD), Spring 2020

56. **Zhang, W.**, and M. Duffy. 2020. "[Agricultural Professionals Expect Lower Farmland Values Over the Next 18 Months](#)" *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. July 2020
55. **Zhang, W.**, and T. Xiong^s. 2020. "[The Coronavirus Will Delay Agricultural Export Surges Promised in Trade Deal with China](#)", *the Conversation*, March 2020
54. Balistreri, E., **W. Zhang**, and J. Beghin. 2020. "[The State-level Burden of the Trade War: Interactions between the Market Facilitation Program and Tariffs](#)", *Agricultural Policy Review*, Iowa State University Center for Agricultural and Rural Development (CARD), Winter 2020
53. **Zhang, W.** 2020. "[US-China Phase 1 Trade Deal and US Agriculture: A Big Win for Farmers or Too Good to Be True?](#)" *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. February 2020
52. Carriquiry, M., A. Elobeid, D. Hayes, and **W. Zhang**. 2019. "[Impacts of African Swine Fever on US and World Commodity Markets](#)", *Agricultural Policy Review*, Fall 2019, Iowa State University
51. **Zhang, W.**, L. Rodriguez, and S. Qu. 2019. "[3 Reasons Midwest Farmers Hurt by the US-China Trade War Still Support Trump](#)", *the Conversation*, November 2019
50. Li, M., T. Xiong, Y. Ji., **W. Zhang**, and D. Hayes, 2019. "[African Swine Fever in China: An Update.](#)" *Agricultural Policy Review*, Winter 2019, Iowa State University
49. Xiong, T., and **W. Zhang**, 2019. "[Who Benefits Most from China's Growing Import Demand due to African Swine Fever](#)", *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. August 2019
48. **Zhang, W.**, 2019. "[The Impacts of Trade Wars on US Agricultural Economy via Historical and Contemporary Lenses](#)", *Farmland Insights*, Summer 2019
47. **Zhang, W.** and M. Duffy, 2019, "[Comparing the Stock Market and Iowa Land Values: A Question of Timing](#)" *Ag Decision Maker Newsletter*, Iowa State University Extension and Outreach, July 2019
46. **Zhang, W.**, and S.D. Johnson. 2019. "[Agricultural Professionals Expect Lower Land Values and Stable Crop Prices](#)", *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. June 2019
46. **Zhang, W.**, 2019. "[Seven Things to Know About China to Understand the Trade War](#)", *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. February 2019
45. **Zhang, W.**, 2018, "[Iowa Land Value Survey Overview 2018](#)" Iowa State University, December 2018
44. **Zhang, W.**, 2018, "[Iowa Land Value Survey News Release 2018](#)" Iowa State University, December 2018
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42. **Zhang, W.**, 2018, "[Commodity prices and higher interest rates drive modest farmland value loss](#)", *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. December 2018
41. Shao, Y, M. Li, **W. Zhang**, and D. Hayes, 2018. "[World's Largest Pork Producer in Crisis: African Swine Fever Outbreak in China.](#)" *Agricultural Policy Review*, Winter 2018, Iowa State University
40. **Zhang, W.**, and A. Plastina, 2018. "[ISU Survey: Iowa's Farmland Owners Continue to Age](#)", Iowa State University Extension and Outreach. June 2018

39. **Zhang, W.**, A. Plastina, and W. Sawadgo, 2018. “[Iowa Farmland Ownership and Tenure Survey 1982-2017: A Thirty-five Year Perspective](#)”, *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. July 2018
38. Li. M., **W. Zhang**, and D.J. Hayes. 2018. “[Can China’s Rural Land Policy Reforms Solve Its Farmland Dilemma?](#)” *Agricultural Policy Review*, Spring 2018, Iowa State University
37. Li, M, **W. Zhang**, and C.E. Hart. 2018, “[Key agricultural products in U.S.-China trade disputes: the proportional, the significant, and the substitutable](#)”, *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. April 2018
36. **Zhang, W.**, and M. Li, 2018, “[Navigating the Chinese agricultural economy through the lens of Iowa](#)”, *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. February 2018
35. **Zhang, W.**, 2017, “[Iowa Land Value Survey Overview 2017](#)” Iowa State University, December 2017
34. **Zhang, W.**, 2017, “[Iowa Land Value Survey News Release 2017](#)” Iowa State University, December 2017
33. **Zhang, W.**, 2017, “[Iowa Land Value Survey Brochure 2017](#)” Iowa State University, December 2017
32. **Zhang, W.**, 2017, “[Where Are Iowa and U.S. Land Values Headed?](#)”, *Proceedings of 2017 Crop Advantage Series*, Iowa State University Extension and Outreach, January 2018
31. **Zhang, W.**, 2017, “[Recent Developments in China and Its Impacts on U.S. Agricultural Trade](#)”, *Proceedings of 2017 Crop Advantage Series*, Iowa State University Extension and Outreach, January 2018
30. **Zhang, W.**, 2017. “[Iowa Farmland Values Increase After Three Years of Decline](#)” *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. December 2017
29. **Zhang, W.**, 2017, “[Where Are Iowa and U.S. Land Values Headed?](#)”, *Proceedings of 2017 29th Annual Integrated Crop Management Conference*, Iowa State University Extension and Outreach, November 2017
28. **Zhang, W.**, 2017, “[Recent Developments in China and Its Impacts on U.S. Agricultural Trade](#)”, *Proceedings of 2017 29th Annual Integrated Crop Management Conference*, Iowa State University Extension and Outreach, November 2017
27. Li, M., **W. Zhang**, and D. Hayes. 2017. “[China’s New Nationwide E10 Ethanol Mandate and Its Global Implication.](#)” *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. November 2017
26. **Zhang, W.**, 2017. “[Are Agricultural Professionals’ Farmland Value and Crop Price Forecasts Consistent?](#)” *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. October 2017
25. **Zhang, W.**, 2017. “[Land Quality Perceptions in Expert Opinion Surveys: Evidence from Iowa.](#)” *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. August 2017
24. **Zhang, W.**, 2017. “[Where Are Iowa and U.S. Land Values Headed?](#)” *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. July 2017
23. **Zhang, W.**, 2017. “[What’s Happening with U.S. Land Values?](#)” *Farmland in Perspectives*, Summer 2017
22. **Zhang, W.**, 2017. “[Four Reasons Why We Aren’t Likely to See a Replay of the 1980’s Farm Crisis.](#)” *Agricultural Policy Review*, Center for Agricultural and Rural Development, Spring 2017

21. **Zhang, W.** and A. Janke. 2017. “[USDA announces CRP changes to help improve water quality, wildlife habitat, and land transfers to beginning farmers.](#)” *Ag Decision Maker Newsletter*. Iowa State University Extension and Outreach. March 2017
20. **Zhang, W.**, 2017. “[Outlook for the U.S. Agricultural Economy.](#)” Op-ed Article for Des Moines Business Record. January 2017
19. **Zhang, W.**, 2017, “[Interpretation of 2016 Iowa Land Value Survey Results](#)”, *Ag Decision Maker Newsletter*, Iowa State University Extension and Outreach, January 2017
18. Wu, Q. and **W. Zhang**, 2016, “[Of Maize and Markets: China’s New Corn Policy](#)”, *Ag Decision Maker Newsletter*, Iowa State University Extension and Outreach, December 2016
17. **Zhang, W.**, 2016, “[Iowa Land Value Survey Overview 2016](#)” Iowa State University, December 2016
16. **Zhang, W.**, 2016, “[Iowa Land Value Survey News Release 2016](#)” Iowa State University, December 2016
15. **Zhang, W.**, 2016, “[Iowa Land Value Survey Brochure 2016](#)” Iowa State University, December 2016
14. **Zhang, W.**, 2016, “[Agricultural Land Management and Downstream Water Quality: Insights from Lake Erie](#)”, *Proceedings of 2016 28th Annual Integrated Crop Management Conference*, Iowa State University Extension and Outreach, November 2016
13. **Zhang, W.**, 2016, “[Iowa Farmland Market Update: Are We Seeing a Replay of the 1980’s](#)”, *Proceedings of 2016 28th Annual Integrated Crop Management Conference*, Iowa State University Extension and Outreach, November 2016
12. Wu, Q. and **W. Zhang**, 2016, “[Of Maize and Markets: China’s New Corn Policy](#)”, *Agricultural Policy Review*, Center for Agricultural and Rural Development, Fall 2016 ([Chinese Translations](#) by China-America Commodity Data Analytics Inc.)
11. **Zhang, W.**, “[How Tight is the Iowa Farmland Supply?](#)”, *Ag Decision Maker Newsletter*, Iowa State University Extension and Outreach, October 2016
10. Hart, C. and **W. Zhang**, 2016, “[Crude Oil Prices and U.S. Crop Exports: Exploring the Secondary Links between the Energy and Ag Markets](#)” *Agricultural Policy Review*, Center for Agricultural and Rural Development, Spring 2016
9. **Zhang, W.** and M. Duffy, 2016, “[Comparing the Stock Market and Iowa Land Values: A Question of Timing](#)” *Ag Decision Maker Newsletter*, Iowa State University Extension and Outreach, April 2016
8. **Zhang, W.**, 2016, “[Iowa 2015 Land Values Survey – Results and Outlook](#)” *Ag Decision Maker Newsletter*, Iowa State University Extension and Outreach, January 2016
7. **Zhang, W.**, 2015, “[Iowa Land Value Survey Overview 2015](#)” Iowa State University, December 2015
6. **Zhang, W.**, 2015, “[Iowa Land Value Survey News Release 2015](#)” Iowa State University, December 2015
5. **Zhang, W.**, 2015, “[Iowa Land Value Survey Brochure 2015](#)” Iowa State University, December 2015
4. **Zhang, W.**, 2015, “[Who Owns and Rents Iowa’s Farmland](#)” *Ag Decision Maker Newsletter*, Iowa State University Extension and Outreach, December 2015
3. **Zhang, W.**, 2015, “[The Commonalities and Differences between U.S. and Chinese Agriculture](#)” *Agricultural Policy Review*, Center for Agricultural and Rural Development, Fall 2015

2. **Zhang, W.**, 2015, “[How Different is China’s Agriculture from the U.S.](#)” *Ag Decision Maker Newsletter*, Iowa State University Extension and Outreach, November 2015
1. **Zhang, W.**, 2015, “[Who Buys and Rents Iowa’s Farmland](#)” *Proceedings of 2015 Integrated Crop Management Conference*, Iowa State University Extension and Outreach, November 2015

Reoccurring Extension Information Files (^ denote graduate students; + postdocs advised, \$ visiting scholars)

Annually Updated every December 2015-2022

2. **Zhang, W.**, “[Iowa Land Value Survey Iowa State University](#)” *Ag Decision Maker Information File C2-70*, Iowa State University Extension and Outreach
1. **Zhang, W.**, “[Historical County Farmland Values since 1967](#)” *Ag Decision Maker Information File C2-72*, Iowa State University Extension and Outreach

Non-Reoccurring

3. **Zhang, W.**, A. Plastina, and W. Sawadgo[^], 2018, “[Survey of Iowa Leasing Practices](#)” *Ag Decision Maker Information File C2-15*, Iowa State University Extension and Outreach, July 2018
2. **Zhang, W.**, A. Plastina, and W. Sawadgo[^], 2018, “[Crop Share Leasing Provisions](#)” *Ag Decision Maker Information File C2-30*, Iowa State University Extension and Outreach, July 2018
1. **Zhang, W.**, 2015, “[Who Owns and Rents Iowa’s Farmland](#)” *Ag Decision Maker Information File C2-78*, Iowa State University Extension and Outreach, December 2015

Decision Tools & Databases (^ denote graduate students; + postdocs advised, \$ visiting scholars)

3. He⁺, X., T. Xiong^{\$}, and **W. Zhang**, 2020, “[COVID-19 Economic Database: China](#)”, Center for Agricultural and Rural Development (Updated in October 2020)
2. Li⁺, M., T. Xiong, Y. Ji., **W. Zhang**, and D. Hayes, 2018, “[African Swine Flu Cases in China \(Mainland\)](#)” Center for Agricultural and Rural Development
1. **Zhang, W.**, 2019, “[Historical Land Value Survey Results 1950-2019](#)” *Ag Decision Maker Information File C2-70*, Iowa State University Extension and Outreach, December 2019

Webcasts (vimeo or YouTube)

Detailed List of Webcasts Available at <https://wendongzhang.weebly.com/webcasts.html>

These events are hosted by American Society of Farm Managers and Rural Appraisers, University of Nebraska at Lincoln, Michigan Corn Growers Association, FarmDoc, Things that Go Boom, Iowa State University, Farm4Profit Podcast, the Ohio State University, Acre Value, and U.S. Heartland China Association

Extension and Outreach Presentations (# Participants in Parenthesis)

Detailed List of Extension Presentations Available at <https://wendongzhang.weebly.com/extension-presentations.html>

These events are hosted by American Society of Farm Managers and Rural Appraisers, Farm Foundation, FCS Stone, Farrell Growth Group, the Federal Reserve Bank at Chicago, Syngenta, Farm Futures Business Summit, Agri-Investor Forum, Farmer Mac, the North American Meat Institute, American Farm Bureau Federation, National Agricultural Credit Committee, C-FARE, USDA Agricultural Outlook Forum

SELECTED MEDIA CONTACTS and INTERVIEWS

[Detailed List of Media Contacts](#) Since Joining Cornell University

I have been interviewed by many international and national media outlets, including:

The New York Times
Bloomberg News
Wall Street Journal
NBC News
China Daily
Washington Post
Xinhua News
National Public Radio
The Economist
Science Magazine
Fortune Magazine
Voice of America
Iowa Public Radio
Iowa Public TV
Asia First News (Singapore)
Yahoo Finance
Iowa Farmer Today
Des Moines Register
The Huffington Post
Nikkei American Inc.
Successful Farming
Radio Iowa
The Iowa Farm Bureau Spokesman
South China Morning Post
Spectrum News
The Quartz
Associated Press

TEACHING EXPERIENCE

Instructor - Cornell University

AEM 2500: Environmental and Resource Economics (105 students enrolled) Fall 2023

Instructor - Iowa State University

ECON 364: Rural Property Appraisal (co-taught with Don Foley) Spring 2022
Student Evaluation: 4.5 out of 5, good (36 out of 41 students)

ECON 581: Advanced Environmental Economics (co-taught with Gil DePaula) Fall 2021
Student Evaluation: 5 out of 5, excellent (7 out of 7 students)

ECON 480/580: Intermediate Environmental and Resource Economics Spring 2021

(co-taught with Gil DePaula)

Econ 480 Student Evaluation: 4.4 out of 5, good (9 out of 11 students)

Econ 580 Student Evaluation: 5 out of 5, good (2 out of 3 students)

ECON 364: Rural Property Appraisal (co-taught with David Nebel) Student Evaluation: 4.5 out of 5, good (21 out of 34 students)	Spring 2021
ECON 581: Advanced Environmental Economics (co-taught with Gil DePaula) Student Evaluation: 4.6 out of 5, good (10 out of 12 students)	Fall 2020
ECON 460: Agricultural and Trade Policy (co-taught with Chad Hart, John Crespi, Alejandro Plastina, Keri Jacobs) Student Evaluation: 4.4 out of 5, good (23 out of 49 students)	Fall 2020
ECON 194X: Contemporary Chinese Economy Student Evaluation: 4.3 out of 5, good (8 out of 10 students)	Spring 2020
ECON 364: Rural Property Appraisal (co-taught with David Nebel) Student Evaluation: 3.9 out of 5, good (34 out of 42 students) Peer Evaluation: Excellent for overall evaluation	Spring 2020
ECON 364: Rural Property Appraisal Spring 2019 Student Evaluation: 4.1 out of 5, good (36 out of 41 students) Spring 2018: Student Evaluation: 4.3 out of 5, good (36 out of 40 students) Spring 2017: Student Evaluation: 4.5 out of 5, good (39 out of 39 students)	2017-2019
ECON 364: Rural Property Appraisal Student Evaluation: 3.7 out of 5, good (39 out of 42 students) Peer Evaluation: 4.5 out of 5, good to excellent (2 colleagues)	Spring 2016

Teaching Experience at the Ohio State University

China's Economic Reform and Globalization, Sole Instructor (SEI: 4.9 out of 5, 26 students)	Spring 2013
The Sustainable Economy: Concepts and Methods, Assistant Instructor	Spring 2014

STUDENT ADVISING

CORNELL UNIVERSITY

Ph.D. Advisees as Major or Co-Major Professor:

Francisco Flores (joint with David Just) since fall 2023

Ph.D. Program of Study Committee Minor Member:

Mike Huang, Program of Study Committee Minor Member, since 2023
Emil Kee-Tui, Program of Study Committee Minor Member, since 2024
Terry Zhang, Program of Study Committee Minor Member, since 2024
Jerzy Jaromczyk, Program of Study Committee Minor Member, since 2023

Ph.D. Program of Study Committee Member for non-Cornell student:

Chad Fiechter, Ph.D. in Purdue University (completed in 2023; Ph.D. advisor: Todd Kuethe; First Placement: Assistant Professor, Purdue University, Department of Agricultural Economics)

M.S. Advisees as Major or Co-Major Professor:

Yuhui Zhao since fall 2023

Master's Program of Study Committee:

Heting Li, Program of Study Committee Member, since 2022 (Completed in 2023)

Zisu Xie, Program of Study Committee Member, since 2022 (Completed in 2023)

IOWA STATE UNIVERSITY

Postdoctoral Researcher as Major or Co-Major Advisor:

Anton Yang, Co-Major Professor (with Dr. Edward Balistreri), since 2021 (Completed in 2022, First Placement: Postdoctoral Researcher, Yale University, Department of Economics)

Xi He, Co-Major Professor (with Dr. Dermot Hayes and Dr. Edward Balistreri), since 2020 (Completed in 2022, First Placement: Assistant Professor, Virginia Tech University, Department of Agricultural and Applied Economics)

Minghao Li, Co-Major Professor (with Dr. Dermot Hayes), since 2017 (Completed in 2019, First Placement: Assistant Professor of Economics, Applied Statistics & International Business at New Mexico State University)

Ph.D. Advisees as Major or Co-Major Professor:

Xiaolan Wan, Program of Study Committee Major Professor, since 2021 (Ongoing)

Wendiam Sawadgo, Program of Study Committee Co-Major Professor (with Dr. Alejandro Plastina), since 2018 (Completed in 2020, First Placement: Tenure Track Assistant Professor and Extension Economist, Auburn University, Department of Agricultural Economics and Rural Sociology)

- Ph.D. Thesis: "[Land tenure, agri-environmental policy, and conservation practice use in Iowa](#)"

Xibo Wan, Program of Study Committee Major Professor, since 2019 (Completed in 2021, First Placement: Postdoctoral Researcher, MIT Center for Energy and Environmental Policy Research - CEEPR)

- Ph.D. Thesis: "[Three Essays on Hazardous Chemical Policy, Source Water Protection, and Recreational Value](#)"

Nieyan Cheng, Program of Study Committee Major Professor, since 2019

(Completed in 2022, First Placement: Assistant Professor, College of Economics and Management, China University of Petroleum – Beijing)

(2021 A Extension Graduate Student Competition Finalist)

- Ph.D. Thesis: "[Three Essays on Agri-Environmental Policy and Hazardous Materials](#)"

Wenran Fan, Program of Study Committee Major Professor, since 2021

(Completed in 2023, First Placement: Postdoctoral Researcher, Duke University Sanford School of Public Policy)

- Ph.D. Thesis: "[Three Essays on the Economics of Consumer and Recreational User Behavior](#)"

Ph.D. Program of Study Committee:

Jingyi Tong, Program of Study Committee Member, since 2022 (Ongoing)

Kyunghoon Ban, Program of Study Committee Member, since 2021 (Completed in 2023)

Jian Chen, Program of Study Committee Member, since 2021 (Completed in 2024)

Xiaorui Qu, Program of Study Committee Member, since 2021 (Completed in 2022)

Miracle-Rose Toppar, Program of Study Committee Member, since 2020 (Completed in 2022)
Qing Liu, Program of Study Committee Member, since 2019 (Completed in 2021)
Liyuan Ma, Program of Study Committee Member, since 2019 (Completed in 2021)
Shirui Wang, Program of Study Committee Member, since 2019 (Completed in 2020)
Yulong Chen, Program of Study Committee Member, since 2019 (Completed in 2020)
Jia Cao, Program of Study Committee Member, since 2019 (Completed in 2020)
Ming Jin, Program of Study Committee Member, since 2016 (Completed in 2020)
Xiaogang, Li, Program of Study Committee Member, since 2018 (Completed in 2020)
Qiong Wu, Program of Study Committee Member, since 2018 (Completed in 2019)
Xianjun Qiu, Program of Study Committee Member, since 2017 (Completed in 2018)
Xiaoguang Feng, Program of Study Committee Member, since 2017 (Completed in 2017)
Qianrong Wu, Program of Study Committee Member, since 2016 (Completed in 2017)
Jae-Hoon Sung, Program of Study Committee Member, since 2016 (Completed in 2016)

Master's Advisees as Major or Co-Major Professor:

Albulena Basha, Program of Study Committee Major Professor, since 2018 (Completed in 2019, Kosovo American Education Fund Fellow, Recipient of 2019 NACTA Graduate Student Teaching Award; Junior Advisor, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH)

- Master Thesis: "[Effects of Interest Rate Changes on Midwestern US Farmland Values](#)"

Grant Durbahn, Program of Study Committee Co-Major Professor, since 2021 (with Dr. Peter Orazem) (Completed in 2021, Market Research Analyst at CF Industries, Deerfield, IL)

Master's Program of Study Committee:

Jiacheng Tian, Program of Study Committee Member, since 2019 (Completed in 2020)

Jee-Hae Ha, Program of Study Committee Member, since 2016 (Completed in 2020)

Jennifer Zarek, Program of Study Committee Member, since 2016 (Completed in 2016)

Ashley Garrand, Program of Study Committee Member, since 2018 (Completed in 2019)

Pulasthi Amarasinghe, Graduate Research Associate, since 2016 (Completed in 2017, Ph.D. student, University of North Carolina, Department of Economics)

Visiting Ph.D. Student from China (co-advised with Dr. Dermot Hayes):

Hongkun Ma, Chinese Academy of Agricultural Sciences, Fall 2019 – Fall 2020 (Completed)

Wenting Wang, Zhejiang University, Fall 2018 – Fall 2020 (Completed)

Yue Hu, China Agricultural University, Fall 2018 – Fall 2020 (Completed)

Chuqiao Peng, Renmin University of China, Fall 2018 – Fall 2019 (Completed)

Pingping Wang, China Agricultural University, Fall 2017 – Fall 2018 (Completed)

Visiting Scholars from China (co-advised with Dr. Dermot Hayes):

Tao Xiong, Associate Professor, Huazhong Agricultural University, Spring 2019 – Spring 2020 (Completed)

Yongtong Shao, Associate Professor, Tianjin University of Commerce, Fall 2017 – Fall 2018 (Completed)

Undergraduate Honors Students:

Beatrice Maule, Undergraduate Researcher, "Of Women and Land: How Gender Affects Successions and Transfers of Iowa Farms", Spring 2021 – Summer 2021

- Winner of the AAEA 2021 Undergraduate Student Section Undergraduate Paper Competition

Madison Mueller, Undergraduate Honors Thesis Project, "Do Wealthier Landowners Have Better Timing in Their Farmland Purchases? Evidence from a Twenty-Year Panel", Spring 2019

Marina Awureda, Freshman Honors Program, "Heterogeneity of Responses to 2015 and 2016 Iowa Land Value Survey", Fall 2018 – Spring 2019

Marta Grant, Freshman Honors Program, "Entrepreneurship and Start-Ups in the Agricultural Industry", Fall 2017

Grace Rens, Freshman Honors Program, "Heterogeneity of Responses to 2015 and 2016 Iowa Land Value

PROFESSIONAL SERVICE

Professional Leadership:

President (2019-2020), President-Elect (2018-2019), NC-1177 Multistate Research Project “Agricultural and Rural Finance Markets in Transition (NC1014, NC221, NCT-194)”
Past Chair (2020-2021), Chair (2019-2020), Chair-Elect (2018-2019), Agricultural & Applied Economics Association (AAEA) Agricultural Finance and Management (AFM) Section

Journal Referee:

American Journal of Agricultural Economics
Nature Food
Journal of Environmental Economics and Management
Land Use Policy
Southern Economic Journal
Land Economics
Food Policy
Ecological Economics
European Review of Agricultural Economics
Canadian Journal of Agricultural Economics
Agricultural Economics
Agricultural Economic Perspectives and Policy
Science of the Total Environment
Ecological Indicators
Journal of Agricultural and Applied Economics
Journal of Agricultural and Resource Economics
Water Resources Research
Journal of Environmental Management
Agricultural Finance Review
Journal of Integrative Agriculture
Agricultural and Resource Economics Review
Journal of Soil and Water Conservation
China Agricultural Economic Review
Journal of Integrative Agriculture
Journal of Applied Economics and Policy
Agriculture

USDA Economic Research Service Information Bulletin
NSF Proposals
USDA AFRI Grant Review Panel

Invited Government Panel:

US EPA Hypoxia Task Force Ecosystem/Social Metrics Working Group, 2020-2022
NYSERDA Regional Agronomic Impacts from Solar Energy (RAISE) Committee, 2024-Present

Professional Membership:

American Economic Association (AEA)
Agricultural and Applied Economics Association (AAEA)
Association of Environmental and Resource Economists (AERE)

Soil and Water Conservation Society (SWCS)
National Association County Agricultural Agents (NACAA)
Midwest Economics Association (MEA)
Chinese Economist Society (CES)

INSTITUTIONAL SERVICE

Departmental Service at Cornell University:

2023: Ph.D. Placements Committee
Ph.D. Admissions Committee
Ad Hoc Committee for Promotion for Dr. Ray Zimmerman
Ad Hoc Committee for Promotion for Dr. Frank Ge

2022: Ph.D. Placements Committee
Ad Hoc Committee for Promotion for Dr. Jie Li

Service to Iowa State Extension and Outreach:

2018: Farm Progress Show 2018, Ask an Expert
2017: Farm Progress Show 2017, Ask an Expert
2016: Farm Progress Show 2016, Ask an Expert
ANR Extension Strategic Planning Committee

Departmental Service at Iowa State University:

2019-2022: Graduate Recruiting and Admissions Committee
Departmental Seminar Committee

2019: Economics Council 2019-2020
CALs Faculty Recruiting Committee (Assistant Professor in Environmental and Resource Economics;
and Associate or Full Professor in Agricultural/Environmental Economics), 2019-2020

2018: Practice Job Talks for Graduate Students
“U.S. Job Market for Non-Native Speakers of English”, Presentation for Graduate Students
Departmental Seminar Committee 2018-2019

2017: Departmental Seminar Committee 2017-2018

2016: Practice Job Talks for Graduate Students
Seminar on Job Market Tips from Recent Graduates (with I. Rudik)
Departmental Seminar Committee 2016-2017
Presentation to Ag Business Club
Environmental Resource Economics Workshop, Co-Organizer

2015: Seminar on Job Market Tips from Recent Graduates (with I. Rudik)

ADDITIONAL SKILLS

Software Packages: Proficient in STATA, R and SAS
Programming Languages: MATLAB, and Python
Other: ArcGIS Suite, LaTeX, and GeoDa
Language: English, Mandarin Chinese (native), Cantonese (listening)