

JISANG YU

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Education

- 2016 Ph.D. Agricultural and Resource Economics, University of California, Davis
Fields: Agricultural Economics, Development Economics, Econometrics
Dissertation: *Production Response to Crop Insurance*
- 2012 M.S. Agricultural and Resource Economics, University of California, Davis
- 2011 B.A. Agricultural Economics, Seoul National University
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Experience

- 2021 – Associate Professor, Department of Agricultural Economics,
Kansas State University
- 2016 – 2021 Assistant Professor, Department of Agricultural Economics,
Kansas State University
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Refereed Journal Articles

- Yu, J.**, and Perry, E. D., *forthcoming*. Premium Subsidies and Selection in the Federal Crop Insurance Program, *Journal of Agricultural Economics*, <https://doi.org/10.1111/1477-9552.12555>
- Rojas, I., **J. Yu**, *forthcoming*. A Pandemic Crossing the Border: Impact of Covid-19 in the US on Mexican Labor Markets, *Economic Development and Cultural Change*, <https://doi.org/10.1086/727047>
- Yu, J.**, and Gabrielyan, G. T., 2023, Do Large Farms Make Better Choices: Evidence from Dairy Margin Coverage Program Participation Patterns *Applied Economic Perspectives and Policy*, 45(4), <https://doi.org/10.1002/aep.13358>
- Tsiboe, F., J. Tack, and **J. Yu**, 2023, Farm-level Evaluation of Area- and Agroclimatic-based Index Insurance, *Journal of the Agricultural and Applied Economics Association*, <https://doi.org/10.1002/jaa2.77>
- Janzen, J., B. Swearingen, and **J. Yu**, 2023, Buying Time: The Effect of Market Facilitation Program Payments on the Supply of Grain Storage, *Journal of the Agricultural and Applied Economics Association*, <https://doi.org/10.1002/jaa2.67>
- Arnold, C., **J. Yu**, M. Taylor, L. H. Palm-Forster, and S. Banerjee, 2023. The Role of Risk in Farmland Contract Choices, *Journal of Agricultural and Resource Economics*, 48(2), <https://doi.org/10.22004/ag.econ.320681>

- Yu, J.**, Villoria, N.B. and Hendricks, N.P., 2022. The Incidence of Foreign Market Tariffs on Farmland Rental Rates. *Food Policy*, 112, <https://doi.org/10.1016/j.foodpol.2022.102343>
- Goh, G. and **Yu, J.**, 2022. Causal Inference with Some Invalid Instrumental Variables: A Quasi-Bayesian Approach. *Oxford Bulletin of Economics and Statistics*, 84(6), <https://doi.org/10.1111/obes.12513>
- Yu, J.**, Goodrich, B. and Graven, A., 2022. Competing Farm Programs: Does the Introduction of a Risk Management Program Reduce the Enrollment in the Conservation Reserve Program?. *Journal of the Agricultural and Applied Economics Association*, <https://doi.org/10.1002/jaa2.29>
- Yu, J.** and G. Goh. 2022. Estimating Temperature Impacts on Perennial Crop Losses in California: Insights from Insurance Data. *Applied Economic Perspectives and Policy*, <https://doi.org/10.1002/aep.13222>
- Goh, G., and **J. Yu**. 2022. Synthetic Control Method with Convex Hull Restrictions: A Bayesian Maximum A Posteriori Approach, *The Econometrics Journal*, 25(1), <https://doi.org/10.1093/ectj/utab015>
- Dizon, F., and **J. Yu**. 2021. Nudges versus Subsidies: Experimental Evidence on the Demand for a Nutritious Food in India, *Journal of Economic Behavior & Organization*, 191, <https://doi.org/10.1016/j.jebo.2021.08.017>
- Yu, J.**, D. A. Sumner, and H. Lee. 2021, Premium Rates and Selection in Specialty Crop Insurance Markets: Evidence from the Catastrophic Coverage Participation, *Food Policy*, 101, <https://doi.org/10.1016/j.foodpol.2021.102079>
- Perry, E., **J. Yu**, and J. Tack. 2020, Using Insurance Data to Quantify the Multidimensional Impacts of Warming Temperatures on Yield Risk, *Nature Communications*, 11(4542), <https://doi.org/10.1038/s41467-020-17707-2>
- Yu, J.**, and N.P. Hendricks. 2020. Input Use Decisions with Greater Information on Crop Conditions: Implications for Insurance Moral Hazard and the Environment, *American Journal of Agricultural Economics*, 102(3):826–845, <https://doi.org/10.1093/ajae/aaz035>
- M.R. Taylor, L. Sudbeck, C. Wilson, and **J. Yu**. 2020. Quality Effects on Kansas Land Price Trends, *Journal of the American Society of Farm Managers and Rural Appraisers*, 167–170.
- Kim, Y., **J. Yu**, and D.L. Pendell. 2020. Effects of Crop Insurance on Farm Disinvestment and Exit Decisions, *European Review of Agricultural Economics*, 47(1):324–347, <https://doi.org/10.1093/erae/jbz035>
- Goodrich, B., **J. Yu**, and M. Vandever. 2020. Participation Patterns of the Rainfall Index Insurance for Pasture, Rangeland and Forage Programme, *The Geneva Papers on Risk and Insurance – Issues and Practice*, 45(1): 29–51, <https://doi.org/10.1057/s41288-019-00149-3>
- Kang, M., B. Schwab, and **J. Yu**. 2020. Gender Differences in the Relationship between Land Ownership and Managerial Rights: Implications for Intrahousehold Farm Labor Allocation, *World Development*, 125: 104669, <https://doi.org/10.1016/j.worlddev.2019.104669>
- Yu, J.**, and G. Goh. 2019. Estimating Non-additive Within-season Temperature Effects on Maize Yields using Bayesian Approaches, *Scientific Reports*, 9: 18566, <https://doi.org/10.1038/s41598-019-55037-6>

Yu, J., M. Vandever, J.D. Volesky, and K. Harmoney. 2019. Estimating the Basis Risk of Rainfall Index Insurance for Pasture, Rangeland and Forage, *Journal of Agricultural and Resource Economics*, 44(1): 179–193, <https://doi.org/10.22004/ag.econ.281319>

Yu, J., and D.A. Sumner. 2018. Effects of Subsidized Crop Insurance on Crop Choices, *Agricultural Economics*, 49(4): 535–545, <https://doi.org/10.1111/agec.12434>

Yu, J., A. Smith, and D.A. Sumner. 2018. Effects of Crop Insurance Premium Subsidies on Crop Acreage, *American Journal of Agricultural Economics*, 100(1): 91–114, <https://doi.org/10.1093/ajae/aax058>

Sumner, D.A., and **J. Yu**. 2014. The Agricultural Act of 2014 and Prospects for the California Milk Pool Quota Market, Special Issue on Dairy Policy in *Journal of Agribusiness* 32(2): 193–206

Selected Working Papers

Guaranteed Storage? Risk and Credit Constraints in the Demand for Postharvest Technology (with Ben Schwab), Revision Requested, *Oxford Economic Papers*: <https://www.socialscicenter.org/trials/5035>

Understanding Inequality in US Farm Subsidy Using a Large-scale Administrative Data (with Sunghun Lim), Revision Requested, *American Journal of Agricultural Economics*

Water Constraints to Agricultural Productivity in Bhutan (with Felipe Dizon and Saad Imtiaz), Revision Requested, *Agricultural Economics*

Quality Signaling and Willingness-to-Pay: An Experimental Assessment (with Arusha Ijaz, Benjamin Schwab, and Jihoon Cho), Revision Requested, *Marketing Letters*

Empirical Challenges for Estimating Moral Hazard Effects of Crop Insurance on Pesticide Use (with Hunter Biram, Jesse Tack, and Richard Nehring), Accepted, *Journal of Agricultural and Resource Economics*

Recovering from Natural Disaster through Exports: The Case of 2010 Pakistan Flood and EU Tariff Waiver on Pakistan Cotton Industry (with Arusha Ijaz), Revision Requested, *Journal of the Agricultural and Applied Economics Association*

Other Publications

Tack, J., and **J. Yu**. Risk Management in Agricultural Production, *forthcoming*, In C. Barrett, and D. Just, ed. *Handbook of Agricultural Economics*, vol 5

Sumner, D.A., J.V. Balagtas, and **J. Yu**. 2016. U.S. Dairy Subsidies Remain Convolutated and Costly, In V. Smith, ed. *The Economic Welfare and Trade Implications of the 2014 Farm Bill*, Emerald Group Publishing, pp 85 – 96

Balagtas, J.V., D.A. Sumner, and **J. Yu**. 2013. Changes are Coming to U.S. Dairy Policy, *ARE Update*, 16 (6)

Presentations and Conference Papers

Recovering from Natural Disaster through Exports: The Case of 2010 Pakistan Flood and EU Tariff Waiver on Pakistan Cotton Industry (with Arusha Ijaz) Selected Paper 2023 Agricultural & Applied Economics Association Annual Meeting, Washington, DC, July 23 – 25, 2023

Do Large Farms Make Better Choices: Evidence from Dairy Margin Coverage Program Participation Patterns (with Georgi T. Gabrielyan) Selected Paper 2022 Agricultural & Applied Economics Association Annual Meeting, Anaheim, CA, July 31 – August 2, 2022

Signaling and Willingness to Pay: An Experimental Assessment (with Arusha Ijaz and Ben Schwab) Selected Paper 2022 Agricultural & Applied Economics Association Annual Meeting, Anaheim, CA, July 31 – August 2, 2022

Economic Impacts of Free Trade Agreements: The Case of the Korea-Chile Free Trade Agreement and Fruit Farms in Korea (with Jiyeon Kim) Selected Paper 2022 Agricultural & Applied Economics Association Annual Meeting, Anaheim, CA, July 31 – August 2, 2022

Guaranteed Storage? Risk and Credit Constraints in the Demand for Postharvest Technology and Rice Seed Storage Decisions in Bangladesh (with Ben Schwab) Selected Paper 2022 Agricultural & Applied Economics Association Annual Meeting, Anaheim, CA, July 31 – August 2, 2022

Impacts of Tenant Experience and Social Capital on Leasing Decisions by Landowners in Kansas (with Chelsea Arnold, Mykel Taylor, and Glynn Tonsor) Selected Paper 2022 Agricultural & Applied Economics Association Annual Meeting, Anaheim, CA, July 31 – August 2, 2022

Adverse Selection in Specialty Crop Insurance Markets: Evidence from the CAT Participation (with Hyunok Lee and Daniel A. Sumner) Selected Paper 2019 Agricultural & Applied Economics Association Annual Meeting, Atlanta, GA, July 21 – 23

Risk Management in Agricultural Production (with Jesse Tack) 2020 Agricultural & Applied Economics Association Annual Meeting Pre-conference Workshop, Virtual

The Incidence of Foreign Market Accessibility on Farmland Rental Rates (with Nelson B. Vilorio, and Nathan P. Hendricks) 2019 International Agricultural Trade Research Consortium Annual Meeting, Washington DC, December 8 – 10, 2019; Agricultural Economics Seminar, Mississippi State University, February 28, 2020; NBER Conference on “Agricultural Markets and Trade Policy” (virtual), April 30 – May 1, 2020

Estimating Non-additive Within-season Temperature Effects on Maize Yields using Bayesian Approaches: Implications on the Cost of Federal Crop Insurance Program (with Gyuhyeong Goh): Track Session in 2019 Agricultural & Applied Economics Association Annual Meeting, Atlanta, GA, July 21 – 23, 2019; 2019 SCC-76 Annual Meeting, Kansas City, MO, April 4 – 6, 2019

Effects of Crop Insurance on Farm Disinvestment and Exit Decisions (with Youngjune Kim and Dustin L. Pendell): Agricultural Economics Workshop, UC Davis, October 18, 2018; Departmental Seminar, Department of Statistics, Kansas State University

Risk Preferences and the Participation Pattern of Rainfall Index Insurance (with Brittney K. Goodrich and Monte Vandever): Selected Paper 2018 Agricultural & Applied Economics Association Annual Meeting, Washington DC, August 5 – 7, 2018

Crop Insurance Moral Hazard from Price and Weather Forecasts (with Nathan P. Hendricks): Selected Paper 2017 Agricultural & Applied Economics Association Annual Meeting, Chicago, IL, July 30 – August 1

Estimating Temperature Effects on the Cost of the Federal Crop Insurance Program (with Ed Perry and Jesse Tack): Selected Paper 2017 Agricultural & Applied Economics Association Annual Meeting, Chicago, IL, July 30 – August 1

Basis Risk and Effectiveness of Rainfall Index Insurance for Pasture, Rangeland and Forage (with Monte Vandever and Jerry Volesky): 2017 SCC-76 Annual Meeting, Pensacola, FL, March 31 – April 1

The Effects of the Premium Subsidies in the U.S. Federal Crop Insurance Program on Crop Acreage (with Aaron Smith and Daniel A. Sumner): Selected Paper 2016 Agricultural & Applied Economics Association Annual Meeting, Boston, MA, July 31 – August 2; Kansas State University; Purdue University; UC Davis

Effects of Subsidized Crop Insurance on Crop Choices: Selected Paper 2015 Agricultural & Applied Economics Association and Western Agricultural Economics Association Annual Meeting, San Francisco, CA, July 26 – 28.; Giannini Agricultural and Resource Economics Student Conference 2015, Riverside, CA, May 23.

Teaching

AGEC 680 Risk Management (Undergraduate, S2018 –)

AGEC 760 Econometric Analysis (Graduate, S2017 –)

AGEC 936 Quantitative Topics in Agricultural Economics (Graduate, 20%, S2021 –)

ECON 890 Applied Econometrics (Graduate, 50%, S2017)

Awards, Grants, and Fellowships

Co-PI, Biofuels and International Indirect Land Use Change: An Econometric Ex-Post Assessment of the 2005 and 2007 US Ethanol Mandates, (\$80,000, with Nelson Villoria (lead)), September 2023 – March 2025

PD, The Impact of Better Access to Foreign Markets on the Returns to U.S. Agriculture, USDA NIFA AFRI Foundational (\$485,599, with Nelson Villoria and Nathan Hendricks (PIs)), May 2020 – April 2023

PI, Economic-focused Research Activities under the Phase II of the Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss (PHLIL), Kansas State University and USAID (\$431,257, co-lead with Benjamin Schwab), January 2019 – December 2021

PI, Drivers of Agricultural Productivity in Bhutan, World Bank (\$10,000), March 2018 – June 2018

Co-PI, Crop Loss Estimation from Hurricanes, USDA OCE Cooperative Agreement, (\$100,000, with Jesse Tack (lead) and Ed Perry (co-PI)), September 2019 – September 2021

Co-PI, Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss Mission Buy-in Mycotoxin Study in Nepal (with Jagger Harvey (PI), and 3 other Co-PIs), USAID, May 2017 – October 2018

UC Davis: Henry A. Jastro Graduate Research Scholarship Award (2015 - 2016); William Duffy Rice Research Fellowship (Spring 2014)

Service

Referee Service

American Journal of Agricultural Economics; Journal of Environmental Economics and Management; Journal of the Association of Environmental and Resource Economists; Agricultural Economics; World Development; Food Policy; Journal of Agricultural and Resource Economics; Applied Economic Perspectives and Policy; Land Economics; Canadian Journal of Agricultural Economics; Journal of Agricultural and Applied Economics; Agricultural Systems; Agricultural Finance Review; Journal of Productivity Analysis; Insurance: Mathematics and Economics; The Geneva Papers on Risk and Insurance - Issues and Practice; Agribusiness: an International Journal; Ecological Economics; Environmental Research Letters; European Review of Agricultural Economics

Selected papers for 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024 *Agricultural and Applied Economics Association Annual Meetings*

Professional

Chair-elect/Chair/Past Chair, Applied Risk Analysis Section, Agricultural and Applied Economics Association, 2020 – 2023

Program Chair/Accommodation Chair, SCC-76 Economics and Management of Risks in Agriculture and Natural Resources Conference, 2021 – 2025

Topic leader, 2020 *Western Agricultural Economics Association Annual Meeting*

Departmental

Seminar Committee, 2019 – present

Graduate Program Committee, 2022 – present

Agricultural Economics Preliminary Exam Committee, 2020 – 2021

Screening Committee, Extension Ag Economist (KFMA SC), 2020

Nationality and Languages

Republic of Korea (US permanent resident), English (fluent), Korean (native), Japanese (basic)

Updated, December 11, 2023