

EDWARD C. (TED) JAENICKE

Department of Agricultural Economics, Sociology, and Education
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Education

<u>Institution</u>	<u>Degree</u>	<u>Year</u>	<u>Field</u>
Wesleyan University	B.A.	1984	Economics
University of Maryland	Ph.D.	1997	Agricultural and Natural Resource Economics

PROFESSIONAL EXPERIENCE

Professor, Department of Agricultural Economics, Sociology, and Education
Penn State University, University Park, July 2016 to present.

Agricultural and Resource Economics Cluster Representative, 2014-2018

Graduate Program Director, 2007-2011; and 2018-2020.

Current Research Areas: Food retailing and consumer behavior; Food access/food deserts; Food waste; Organic food and agriculture.

Teaching Areas: *Undergraduate:* Exploring the U.S. Food System; Food and Agricultural Policy; Economic Principles of Agribusiness Management; Comparative Food and Agricultural Systems; Strategic Decision Making by Agribusiness Firms. *Graduate:* Econometrics; Economics of Food Marketing.

Visiting Scholar (sabbatical), U.S. Department of Agriculture, Economic Research Service, Food Economics Division, Washington D.C., July to December 2012.

Associate and Assistant Professor, Department of Agricultural Economics and Rural Sociology, Penn State University, University Park, July 2001 to 2016.

Assistant Professor, Department of Agricultural Economics,
The University of Tennessee, Knoxville, July 1997 to June 2001.

Policy Analyst, Henry A. Wallace Institute for Alternative Agriculture, Policy Studies Program, Greenbelt, Maryland, September 1995 to July 1997.

HONORS

- ❑ Outstanding Dissertation Award, Agricultural and Applied Economics Association, Honorable Mention, Advisor for Ph.D. graduate Yang Yu, 2021.
- ❑ Outstanding Dissertation Award, College of Agricultural Sciences, Penn State University, Advisor for Ph.D. graduate Yang Yu, 2020.
- ❑ Outstanding 2015 Article in *Agribusiness: An International Journal*, with A. Carlson, for “Estimating and Investigating Organic Premiums for Retail-Level Products,” awarded in 2017.
- ❑ Outstanding Research and Education Award, Pennsylvania Certified Organic, 2016.
- ❑ Article of the Year, *Agricultural and Resource Economic Review*, for Wrenn, D.H., T.W. Kelsey, and E.C. Jaenicke. “Local and Non-local Employment Impacts Associated with Marcellus Shale Development in Pennsylvania, “ in *Agricultural and Resource Economics Review*, 2016
- ❑ Distinguished Member Award, Northeastern Agricultural and Resource Economics Association, 2016.
- ❑ Community of Teaching Excellence, College of Agricultural Sciences, Penn State University, 2014.
- ❑ Community of Teaching Excellence, College of Agricultural Sciences, Penn State University, 2011.
- ❑ *Gamma Sigma Delta* College of Agricultural Sciences, Penn State University, Faculty Award for Outstanding Teaching, 2009.
- ❑ Associate Editor, *Agricultural and Resource Economics Review*, 2008 – 2011.
- ❑ Roy C. Buck Award for Research in the Social Sciences, College of Agricultural Sciences, Penn State University, 2007.
- ❑ Community of Teaching Excellence, College of Agricultural Sciences, Penn State University, 2006.
- ❑ ITC/CUE Hewlett Innovative Teaching Fellowship, Univ. of Tennessee, 1998.
- ❑ Dr. and Mrs. Bill V. Lessley Award for Dissertation Excellence, University of Maryland, 1997.
- ❑ Bessie H. DeVault Scholarship, University of Maryland, 1993.
- ❑ White Fellowship in Economics, Wesleyan University, 1984.
- ❑ *Phi Beta Kappa*, Wesleyan University, 1984.

RESEARCH AND SCHOLARLY PUBLICATIONS

Articles Published (or Accepted) in Refereed Journals

- Simandjuntak, D.P., E.C. Jaenicke, and D.H. Wrenn. 2024. "Pandemic-induced changes in household-level food diversity and diet quality in the U.S." In press, PLOS ONE.
- Rojas, C., & Jaenicke, E. 2024. "Introduction to *Agribusiness* special issue: Economics of food reformulation." *Agribusiness*, 1-13. <https://doi.org/10.1002/agr.21912>
- Feng, J., Fan, L., & Jaenicke, E. C. 2024. "The distributional impact of SNAP on dietary quality." *Agricultural Economics*, 55, 104-139. <https://doi.org/10.1111/agec.12808>
- Irani-Kermani, R., Jaenicke, E.C. and Mirshani, A., 2023. "Accommodating heterogeneity in brand loyalty estimation: application to the US beer retail market." *Journal of Marketing Analytics*, 11(4): 820-835. <https://doi.org/10.1057/s41270-022-00187-2>
- Vecchi, M., E.C. Jaenicke, and C. Schmidt. 2022. "Local Food in Times of Crisis: the Impact of COVID-19 and Two Reinforcing Primes." *Agribusiness* 38, no. 4: 850-873. <https://doi.org/10.1002/agr.21754>
- Zhang, B., D.H. Wrenn, J. Joshi, and E.C. Jaenicke. 2022. "Housing Wealth, Food Spending, and Diet Quality: Evidence from Panel Data." *Agricultural and Resource Economics Review*, 51(3), 517-541. <https://doi.org/10.1017/age.2022.12>
- Zimmerer, K.S., C.S. Duvall, E.C. Jaenicke, L.M. Minaker, T. Reardon, K.C. Seto. 2021. "Urbanization and Agrobiodiversity: Leveraging a Key Sustainability Nexus." *One Earth*, 4(11), 1557-1568. <https://doi.org/10.1016/j.oneear.2021.10.012>
- Chen, D., Jaenicke, E. C., Yan, J., Tian, K., & Nayga, R. M.. 2021. "Price Promotion of Organic Foods and Consumer Demand." *Renewable Agriculture and Food Systems*, 1-6. <https://doi.org/10.1017/S1742170521000399>
- Scharadin, B., Y. Yu, and E.C. Jaenicke. 2021. "Household Time Activities, Food Waste, and Diet Quality: The Impact of Non-Marginal Time Changes Due to COVID-19." *Review of the Economics of the Household*. 19, 399-428. <https://doi.org/10.1007/s11150-021-09555>.
- Meng, X., and E.C. Jaenicke. 2021. "Welfare Analysis of Introducing Private Label Packaged Salads into the U.S. Market." *Agribusiness*, 2021; 1- 15. <https://doi.org/10.1002/agr.21692>.

- Yu, Yang, and E.C. Jaenicke. 2021. "Progress and Challenges in Empirical Food Waste Research" –Authors' Response to Comment." *American Journal of Agricultural Economics* 103: 26-29.
- Meng, X., and E.C. Jaenicke. 2020. "Price Competition and Private Labels in the U.S. Packaged Salad Market." *Applied Economics Letters*, 1-7.
<http://dx.doi.org/10.1002/agr.21692>
- Arora, R., D. Brent, and E.C. Jaenicke. 2020. "Is India Ready for Alt-Meat? Preferences and Willingness to Pay for Meat Alternatives in India." *Sustainability*. 12(11): 4377. <https://doi.org/10.3390/su12114377>
- Yu, Y., and E.C. Jaenicke. 2020. 'The Effect of Sell-by Dates on Purchase Volume and Food Waste.' *Food Policy*, 101879. <https://doi.org/10.1016/j.foodpol.2020.101879>.
- Scharadin, B. and E.C. Jaenicke. 2020. "Time Spent on Childcare and the Household Eating Index." *Review of the Economics of the Household*. 1-30.
<https://doi.org/10.1007/s11150-020-09482-2>
- Yu, Y., & Jaenicke, E. C. 2020. Estimating food waste as household production inefficiency. *American Journal of Agricultural Economics*, 102(2), 525-547.
<https://doi.org/10.1002/ajae.12036>.
Select Media Stories (among many others):
NPR's Marketplace, "I've Always Wondered" 6/3/22,
<https://www.marketplace.org/2022/06/03/how-much-food-are-we-wasting/>
U.S. News & World Report, 1/23/20,
<https://www.usnews.com/news/healthiest-communities/articles/2020-01-23/americans-waste-240-billion-in-food-each-year-study-says>)
AgDaily, 1/23/20, <https://www.agdaily.com/news/study-u-s-households-waste-nearly-third-food/>
CNBC - Squawk Alley, 1/23/20, (20-second clip)
- Chen, X., Liu, Y., Jaenicke, E. C., & Rabinowitz, A. N. 2019. New Concerns on Caffeine Consumption and The Impact of Potential Regulations: The Case of Energy Drinks. *Food Policy*. 87 (2019): 101746,
<https://doi.org/10.1016/j.foodpol.2019.101746>.
- Bauner, C., E.C. Jaenicke, E. Wang, and P-C. Wu. 2019. "Couponing Strategies in Competition Between a National Brand and a Private Label Product." *Journal of Retailing*. Vol. 95, Iss. 1: 57-66., <https://doi.org/10.1016/j.jretai.2018.11.002>

- Goetz, S. J., & Jaenicke, E. C. 2019. Advances in the Economic Analysis of Food System Drivers and Effects. *Agricultural and Resource Economics Review*, 48(3), 361-364.
- Chenarides, L, and E.C. Jaenicke. 2019. "Documenting the Link between Poor Food Access and Less Healthy Product Assortment across the U.S." *Applied Economic Perspectives and Policy*, Vol. 44, Iss. 3: 434-474.
<https://doi.org/10.1093/aep/ppy018>
- Chen, D., E.C. Jaenicke, and R.J. Volpe. 2019. "The Healthfulness of Food-at-Home Expenditures, the Local Food Environment, and Childhood Obesity." *American Journal of Health Promotion*. Vol. 33 Iss. 3: 412-419.
<https://doi.org/10.1177/0890117118786871>
- Li J, Jaenicke EC, Anekwe TD, Bonanno A. 2018. Demand for Ready-to-eat cereals with Household-level censored purchase data and nutrition label information: A distance metric approach. *Agribusiness: an International Journal*. 2018; 1-27.
<https://doi.org/10.1002/agr.21561>
- Marasteanu, I. J., and E.C. Jaenicke. 2018. Economic impact of organic agriculture hotspots in the United States. *Renewable Agriculture and Food Systems*, 40(4): 1-22.
- Volpe, R., E.C. Jaenicke, and L. Chenarides. 2018. "Store Formats, Market Structure, and Consumers' Food Shopping Decisions." *Applied Economic Perspectives and Policy*. ,672-694. <https://doi.org/10.1093/aep/ppx033>.
- Demko, I., and E.C. Jaenicke. 2018. "Impact of European Union-U.S. Organic Equivalency Arrangement on U.S. Exports." *Applied Economic Perspectives and Policy*. 40(3), 482-501. <https://doi.org/10.1093/aep/ppx048>.
- Wrenn, D.H, H.A. Klaiber, and , E.C. Jaenicke. 2016. "Unconventional Shale Gas Development, Risk Perceptions, and Averting Behavior: Evidence from Bottled Water Purchases." *Journal of the Association of Environmental and Resource Economics* 3(4): 779-817.
- Chen, D. E.C. Jaenicke, and R.J. Volpe. 2016. "Food Environments and Obesity: Household Diet Expenditure Versus Food Deserts." *American Journal of Public Health*, 106 (5): 881-888.
- I.J. Marasteanu and E.C. Jaenicke. 2016. "Hotspots and Spatial Autocorrelation in Certified Organic Operations in the United States." *Agricultural and Resource Economics Review*, 45 (3): 485-521.

- I.J. Marasteanu and E.C. Jaenicke. 2016. "The Role of US Organic Certifiers in Organic Hotspot Formation." *Renewable Agriculture and Food Systems*. 31(3): 230-245.
- Jaenicke, E. C., and A. Carlson. 2015. "Estimating and Investigating Organic Premiums for Retail-Level Food Products." *Agribusiness: an International Journal*, 31 (4): 453-471.
- Wrenn, D.H., T.W. Kelsey, and E.C. Jaenicke. "Local and Non-local Employment Impacts Associated with Marcellus Shale Development in Pennsylvania." *Agricultural and Resource Economics Review*, 42 (August 2015): 1-19.
- Marasteanu, I.J., E.C. Jaenicke, and C. Dimitri. "Slotting Fees for Organic Retail Products: Evidence from a Survey of U.S. Food Retailers." *The Journal of International Food & Agribusiness Marketing*, 26 (July 2014):28-48.
- Oberholtzer, L., E.C. Jaenicke, and C. Dimitri. "Examining U.S. Food Retailers' Decisions to Procure Local and Organic Produce from Farmer Direct-to-Retail Supply Chains." *Journal of Food Products Marketing*, 20 (Issue 4) (December 2014).
- Oberholtzer, L., C. Dimitri., and E. C. Jaenicke. "International trade of organic food: Evidence of US Imports," *Renewable Agricultural and Food Systems* 28 (2013): 255-262.
- Jaenicke, E.C., C. Dimitri, and L. Oberholtzer. "Retailer Decisions about Organic Imports and Organic Private Labels." *American Journal of Agricultural Economics* 93 (2011): 597 -603.
- Dimitri, C., E.C. Jaenicke, and A.B. Effland. "Why Did Contracts Supplant the Cash Market in the Broiler Industry? An Economic Analysis Featuring Technological Innovation and Institutional Response." *Journal of Food and Agricultural Industrial Organization* 7, no. 1 (2009).
- Dimitri, C., E.C. Jaenicke, and L. Oberholtzer. "Local Marketing of Organic Food by Certified Organic Processors, Manufacturers and Distributors." *Journal of Agribusiness*, 26 (Fall 2008): 157-174.
- Jaenicke, E.C., and M. Chikasada. "To Drop or Add: Market Timing and Supermarket Decisions on Irradiated Ground Beef." *Journal of Food Products Marketing* 14 (Issue 3, 2008): 77-102.
- Jaenicke, E.C., M. Shields, and T. W. Kelsey. "Food Processors' Use of Contracts to Purchase Agricultural Inputs: Evidence from a Pennsylvania Survey." *Agricultural and Resource Economics Review* 36 (October 2007): 213-229.

- Jaenicke, E.C., K. Jensen, W. Harrison, and P. Jakus. "Follow the Leader: Follower Behavior in Supermarket Adoption of Fresh Irradiated Ground Beef." *Agribusiness: An International Journal* 22 (Autumn 2006): 547-568.
- Wang, Y., and E.C. Jaenicke. "Simulating the Impacts of Contract Supplies in a Spot Market-Contract Market Equilibrium Setting." *American Journal of Agricultural Economics* 88 (November 2006): 1062-1077.
- Jaenicke, E.C., and M. Chikasada. "Separate Decision Making for Supermarket Leaders and Followers: The Case of Whether or Not to Offer Irradiated Ground Beef." *Journal of Food Distribution Research* 37 (November 2006): 29-43.
- Jensen, K. and E.C. Jaenicke. "Retail Meat Managers' Profitability Expectations for Irradiated Red Meats." *Journal of Food Products Marketing* 10 (2004): 13-25.
- Jaenicke, E.C., D.L. Frechette, and J.A. Larson, "Estimating Production Risk and Inefficiency Simultaneously: An Application to Cotton Cropping Systems," *Journal of Agricultural and Resource Economics*, 28 (December 2003): 540-557.
- Oliver, S.P., M.J. Lewis, B.E. Gillespie, H.H. Dowlen, E.C. Jaenicke, and R.K. Roberts. "Prepartum Antibiotic Treatment of Heifers: Milk Production, Milk Quality and Economic Benefit." *Journal of Dairy Science* 86 (April 2003): 1187-1193.
- Gaynor, J., K. Jensen, and E.C. Jaenicke. "Meat Managers' Opinions Expectations Regarding Marketing of Irradiated Red Meats." *Journal of Food Distribution Research*: 34(2) (2003): 17-25.
- Larson, J.A., E.C. Jaenicke, R.K. Roberts, and D.D. Tyler. "Risk Effects of Alternative Winter Cover Crop, Tillage, and Nitrogen Fertilization Systems in Cotton Production." *Journal of Agricultural and Applied Economics* 33 (2001): 445-457.
- Larson, J.A., R.K. Roberts, E.C. Jaenicke, and D.D. Tyler. "Profit Maximizing Nitrogen Fertilization Rates For Alternative Tillage and Winter Cover Systems." *Journal of Cotton Science* 5 (2001): 156-168.
- Jaenicke, E.C. "Testing for Intermediate Outputs in Dynamic DEA Models: Accounting for Soil Quality in Rotational Crop Production and Productivity Measures," *Journal of Productivity Analysis* 14 (November 2000): 247-266.
- Jaenicke, E.C., and L.L. Lengnick. "A Soil-Quality Index and its Relationship to Efficiency and Productivity Growth Measures: Two Decompositions." *American Journal of Agricultural Economics* 81 (November 1999): 881-893.

Jaenicke, E.C., and L. Drinkwater. "Sources of Productivity Growth During the Transition to Alternative Cropping Systems." *Agricultural and Resource Economics Review* 28 (October 1999): 169-181.

Chambers, R.G., R. Färe, E.C. Jaenicke and E. Lichtenberg. "Using Dominance in DEA Models: The Case of Experimental Agricultural Data." *Journal of Econometrics* 85 (1998): 189-203.

Book Chapters

McNeil, M., and E.C. Jaenicke. "Organic: A Solid, Beneficial and Sustainable Investment." In *Harvesting Opportunity: The Power of Regional Food System Investments to Transform Communities*, edited by A. Dumont, D. Davis, J. Wascalus, T.C. Wilson, J. Barham, and D. Tropp, Federal Reserve Bank of St. Louis, 2017.

Book Reviews

Jaenicke, E.C. *The Politics of Food Supply: U.S. Agricultural Policy in the World Economy*, by Bill Winders. In *American Journal of Sociology*, 115 (January 2010): 1319-21.

Jaenicke, E.C. *Pest Management at the Crossroads*, by Charles Benbrook. In *American Journal of Alternative Agriculture* 12 (1997): 45-46.

Government Research Reports

Volpe, R., A. Kuhns, and E.C. Jaenicke. 2017. *Store Formats and Patterns in Household Grocery Purchases*, EIB-167, U.S. Department of Agriculture, Economic Research Service.

Carlson, A., and E.C. Jaenicke. "Changes in Retail Organic Price Premiums from 2004 to 2010." U.S. Department of Agriculture, Economic Research Report No. (ERR-209) 44 pp, May 2016.

Dimitri, C., and E.C. Jaenicke. "Contracting in Tobacco?" *Tobacco Situation and Outlook Yearbook*. U.S. Department of Agriculture/Economic Research Service, TBS-245, December 1999, 21-26.

Articles in Non-refereed Journals or Proceedings

Jaenicke, E.C., R.K. Roberts, H.H. Dowlen, and S.P. Oliver. "Economic Benefit Associated with Antibiotic Treatment of Heifers before Calving." Proceedings of the 38th Annual Meeting of the National Mastitis Council, Inc., Arlington, VA, February 14-17, 1999.

Articles in In-House Publications

Demko, I., R. Dinterman, M. Marez, and E.C. Jaenicke, E.C. 2017. "U.S. Organic Trade Data: 2011 to 2016." The Organic Trade Association, Washington, DC, 25 pages.

Jaenicke, E.C. 2016. "Organic Hotspots and their Benefit to Local Economies." The Organic Trade Association, Washington, DC, 17 pages.

Jaenicke, E.C. and I. Demko. 2015. "Impacts from Organic Equivalency Policies: A Gravity Trade Model Analysis." The Organic Trade Association, Washington, DC, 25 pages.

Jaenicke, E.C. and I. Demko. "Preliminary Analysis of USDA's Organic Trade Data: 2011 to 2014." The Organic Trade Association, Washington, DC, April 2015, 120 pages.

Jaenicke, E.C. *From the Ground Up: Exploring Soil Quality's Contribution to Environmental Health. Policy Studies Report No. 10.* Greenbelt, MD: Henry A. Wallace Institute for Alternative Agriculture, October 1998, 42 pages.

Jaenicke, E.C. *The Myths and Realities of Pesticide Reduction: A Reader's Guide to Understanding the Full Economics Impacts. Policy Studies Report No. 8.* Greenbelt, MD: Henry A. Wallace Institute for Alternative Agriculture, May 1997, 35 pages.

GRADUATE STUDENT ADVISING

Supervision of Ph.D. Dissertations and M.S. Theses

Seventeen Completed Ph.D.s:

Daniel P. Simandjuntak, Ph.D., 2023. "Three Essays on Consumer and Retailer Food Responses to Natural Disasters and Disruptive Events"

- Yang Yu, Ph.D., 2020. "Essays on Food Waste and Consumer Demand Analysis"
Note: this dissertation won an honorable mention from AAEA Outstanding Dissertation award, as well as an outstanding dissertation award from Penn State's College of Agricultural Sciences
- Zefeng (Billy) Dong, Ph.D., 2019. "Three Essays on Consumer Demand, Health, and Food Environment." (Co-Chair with Yizao Liu)
- Roosbeh Irani-Kermani, Ph.D., 2018. "Three Essays on Structural State-Dependent Marketing Variables."
- Lauren Chenarides, Ph.D., 2017. "The Effects of the Food Retailing Landscape and Food Deserts on Retailers' Marketing Strategies and Consumer Store Choice."
- Ben Scharadin, Ph.D., 2017. "Three Essays on Household Time Allocations, Food Behavior, and Diet Quality."
- Iryna Demko, Ph.D., 2016. "Three Essays on Credence Goods, Health, and Organic Food."
- Jing Li, Ph.D., 2016, "Three Essays on the Health-Related Product Attributes and Consumer Purchasing Behavior: An Application to Ready-to-Eat Breakfast Cereal Market."
- Yingxian Wu, Ph.D., 2016. "Essays on Consumers' Shopping Behavior for Fresh Produce."
- I. Julia Marasteanu, Ph.D., 2014. "Hot Spots of United States Certified Organic Operations: Identification, Formation, and Impact."
- Danhong Chen, Ph.D., 2014. "Three Essays on Health, Demography, and Economics." (Co-Chair with David G. Abler)
- Xiao Meng, Ph.D., 2013. "Strategic Marketing Behavior Of Private Label And Organic Products: A Case Study Of The Pre-Packaged Salad."
- Soo Hyun (Catherine) Oh, Ph.D., 2012. "Structural Estimation On Demand With Brand Choice And Quantity Adjustment: From Non-Organic To Organic Food."
- Ping-Chao Wu, Ph.D., 2010. "Modeling and Testing Strategic Pricing, Product Positioning, and Couponing Behavior by Food Manufacturers and Retailers."

Yan Zhuang, Ph.D., 2010. "Three Essays On Organic Milk Marketing And Consumer Purchase Behavior."

Mitsuko Chikasada, Ph.D., 2008. "Three Essays on (1) Demand for Organic Milk in the U.S., (2) Environment and Economic Growth in Japan, and (3) Life Expectancy at Birth and Socio-Economic Factors in Japan." (Co-Chair with David G. Abler)

Yanguo Wang, Ph.D., 2004. "Three Essays on Agricultural Contracting: Incorporating Market Equilibrium and Dynamics Into Principal-Agent Models."

Four Completed M.S.:

Rahsmit Arora, M.S. 2019. "Assessing the Viability of Meat Alternatives to Mitigate the Societal Concerns Associated with Animal Agriculture in India."

Jingjing Shu, M.S., 2018. "The Link Between Diet Quality and Organic Food Purchases for U.S. Households"

Xueyi Li, M.S., 2016. "Possible Barriers for Pennsylvania's Underground Injection Well Development."

William Rossman, M.S., 2007. "Comparing the Purchasing Behavior of Certified Organic and Pennsylvania Preferred Applesauce Using a Discrete Choice Modeling Framework."

Membership on Ph.D. Committees (EEFE or AEREC unless otherwise noted)

Stephan Sagl (Economics), 2024

Pei Zhou, 2023

Kalyani Padmakumar (Economics), 2023

Jiyeon Kang (Business), 2023

Abhishek Rai (Economics), 2022

Osama Alotaik (Industrial Engineering), 2021

Gourika Kanna (Economics), 2021

Xuan Chen, 2020

Bo Zhang, 2019

Yingyan Zhao (Economics), 2019

Roger Mina (Energy and Mineral Engineering), 2019

Yunsi Chen, 2018

Kyle Hoy, 2018

Ryo Makiola (Economics), 2018

Oleksii Khvastunov (Economics), 2017
Nail Kashaev (Economics), 2016
Daniela Puggioni, 2016
Monaca Rao, 2016
Yelena Sheveleva (Economics) 2014
Qiong Yang, 2013
Vania Bitia Salas, 2013
Alonso Alfaro Urena (Economics), 2011
Worawan Toommongkol, 2011
Isin Tellioglu, 2010
Simanti Banerjee, 2010
Nga Nguyen, 2009
Gaurav Ghosh, 2009
Kelly J. Ward, 2006.
Ming-Chin Chin, 2003
Supawat Rungsuriyawiboon, 2003.
Onelack Choi, 2002

GRANTS AND CONTRACTS

Currently Active Grants:

Yu, Y., E.C. Jaenicke, and B. Roe, "Incorporating Food Waste in Food Policy Research: Methods and Applications," USDA-NIFA-AFRI Foundation Program, Economics, Markets and Trade. Total awarded: \$628,409.00 (Penn State/Jaenicke portion: \$204,447.00). Project Duration: June 1, 2023 to May 31, 2027).

Liu, Y., L. Fan, E.C. Jaenicke, and M. Vecchi, "Investigating the Roles of Nutrition Information, Nutrition Literacy, and the Updated Nutrition Facts Label on Dietary Choices," USDA-NIFA-AFRI Foundation Program, Economics, Markets and Trade. Total awarded: \$647,143.00. Project Duration: July 1, 2023 to June 30, 2027.

Rojas, C. and E.C. Jaenicke. "Product Reformulation, Consumer Behavior, and Health." USDA-NIFA-AFRI Foundation Program, Markets and Trade. Total awarded: \$463,000.00; Penn State portion: \$97,638. Project Duration: January 1, 2022 to December 31, 2025.

Jaenicke, E.C., Linlin Fan, Yizao Liu, Martina Vecchi, and Eliana Zeballos (Principal Investigator). "Investigating Mechanisms Between Time Scarcity and Healthfulness Of Food Choices – Evidence From Scanner Data And Lab Experiments." USDA-NIFA-AFRI Foundation Program, Markets and Trade. Total awarded: \$423,316.00. Project Duration: January 1, 2021 to December 31, 2023.

Anderson, C.T., E.C. Jaenicke, and twelve other Penn State researchers (Co-Principal Investigator). "Food Resilience in the Face of Catastrophic Global Events." Open Philanthropy Project. Total awarded: \$3, 64,660. Project Duration: May 1, 2020 to March 31, 2024.

Abler, David, E.C. Jaenicke, and others (Co-Principal Investigator). "Thriving Agricultural Systems in Urbanized Landscapes," USDA-NIFA-AFRI Foundation Program, Sustainable Agricultural Systems. Total requested: \$9,986,159.00. Total awarded: \$8,975,094.00. (submitted: October 10, 2018, date funding awarded: October 3, 2019, funded: September 1, 2019 - August 31, 2024).

Jaenicke, E.C., Y. Liu, E.Y. Wang, and A. Okrent. (Principal Investigator.) "Nutrient-Specific Addiction in Unhealth Foods: Investigating Dynamic Food-Purchasing Behavior and Policy Implications." USDA-NIFA-AFRI Foundation Program, Markets and Trade. Project Amount: \$349,876. Project Duration: March 2019-February 2023.

Completed Grants

Muth, Mary (Research Triangle Institute) and E.C. Jaenicke. "Updated Estimates of Consumer Food Loss Factors for Assessing Progress in Reducing Food Loss and Waste." USDA/ERS Cooperative Agreement. Total awarded: \$70,649. Project Duration: June 1, 2020 to December 31, 2022.

Fan, Linlin, and E.C. Jaenicke (Co-Investigator). "The Food Assistance Programs Participation and Food Choices of Low-Income Households," USDA Economic Research Service, Federal Agencies. Total requested: \$50,000.00. Total awarded: \$50,000.00. (submitted: June 24, 2019, date funding awarded: September 16, 2019, funded: September 9, 2019 - August 31, 2021).

Jaenicke, E.C. "Validating Commodity-Specific Food Loss Estimates at the Consumer Level." USDA/ERS Cooperative Agreement. Project Amount: \$30,000. Project Duration: September 2019-August 2020.

Jaenicke, E.C. "Assessing Household-Level Food Loss: An Efficiency Analysis." USDA-NIFA-AFRI Exploratory Program. Project Amount: \$100,000. Project Duration: May 2017-May 2020.

Goetz, S., E.C. Jaenicke, and C. Dimitri. "Research Conference: Advances in the Economic Analysis of Food System Drivers and Effects." USDA-NIFA-AFRI Markets and Trade Program. Project Amount: \$49,493. Project Duration: Nov. 2017 to Oct. 2019.

Jaenicke, E.C., and D. Wrenn "Effect of Retail Market Structure and other Food Environment Characteristics on the Healthfulness of Consumer Food Purchases." USDA/ERS Cooperative Agreement. Project Amount: \$30,000. Project Duration: September 2016-August 2018.

Dimitri, C., L. Oberholtzer, and E.C. Jaenicke. "The State of Urban Farming in the United States: Enhancing the Viability and Profitability of Small and Medium-Sized Commercial Urban Farms Nationally." USDA/NIFA Small Farm Program, Subcontract to N.Y. University. Amount: \$135,527. Project Duration: February 2012 to December 2017. Role: Co-PI.

Jaenicke, E.C. (with AEREC graduate student Lauren Chenarides.) "The Economics of Food Availability and Food Deserts: Retailers' Marketing Strategies, Competition, and Consumer Store Choice." USDA/NIFA Competitive Grants

Program, Pre-Doctoral Fellowship. Project Amount: \$67,781. Project Duration: December 2014 to December 2017. Role: Co-Supervisor.

Van Hook, J., J. Blanford, G. Chi, E. Jaenicke, and D. Wrenn. "A Household-level Longitudinal Investigation into the Food Environment's Impact on Food Behavior and Health." Proposed Level II seed-grant funding from the Social Science Research Institute, Penn State University. Project Amount: \$20,000. Proposed Project Duration: One year past signing date, approximately July 2015 to June 2016. Role: Co-PI.

Jaenicke, E.C. (with AEREC graduate student Ben Scharadin.) "FoodAPS Data Quality and Usability." USDA/ERS Cooperative Agreement. Amount: \$10,500. Project Duration: September 2014 to August 2016.

Jaenicke, E.C. "Estimated Economic Impacts of Organic Trade Policies." The Organic Trade Association. Project Amount: \$15,108. Project Duration: September 2014 to December 2015.

Jaenicke, E.C. "Comparative Analysis of Bilateral Organic Trade Patterns." The Organic Trade Association. Project Amount: \$10,603. Project Duration: September 2014 to December 2015.

Jaenicke, E.C. "Relationship between organic retail presence and market characteristics" USDA/ERS Cooperative Agreement. Project Amount: \$23,000. Project Duration: September 2013 to August 2015.

Jaenicke, E.C. "Neighborhood Food Environment, Store Format, and Shopping Basket Healthfulness" USDA/ERS Cooperative Agreement. Project Amount: \$25,000. Project Duration: September 2013 to August 2014. (With AEREC grad student Danhong Chen.)

Jaenicke, E.C. and C. Dimitri (USDA, Economic Research Service). "Strategic Procurement and Marketing Behavior by U.S. Food Retailers: The Case of Organic Foods." Sponsor: USDA/CSREES National Research Initiative Competitive Grants Program. Duration: Dec. 15, 2007 to Dec. 14, 2012. Amount: \$461,480. Role: Lead PI.

Jaenicke, E.C. "Organic Handler Survey." USDA/ERS Cooperative Agreement. Project Amount: \$125,000. Project Duration: October 2007 to September 2011.

Klaiber, H.A., E.C. Jaenicke, and L. Oberholtzer. "Sustainable Agriculture and the Role of Community Supported Agriculture," College of Agricultural Sciences, Arthur

W. Nesbitt Faculty Program Development Award. Duration: April 2010 to April 2011. Product Amount: \$13,500. Role: Co-PI.

Jaenicke, E.C., and J. James "Demand for Organic Food Products." USDA/ERS Cooperative Agreement. Project Amount: \$40,000. Project Duration: October 2005 to September 2007. Role: Lead-PI.

Jaenicke, E.C. "Organic Agriculture Contracts." USDA/ERS Cooperative Agreement. Project Duration: October 2003 to September 2008. Project Amount: \$61,961.

Jaenicke, E.C., R.C. Stedman, and J.L. Findeis. "Program Evaluation of a Revised Agribusiness Management Major." Proposal for curricular support submitted to The Schreyer Institute for Teaching Excellence at Penn State University. Project Duration: May 2005 to May 2008. Amount: Not specified by the Schreyer Institute.

Jaenicke, E.C., and S.E. Stefanou. "Pricing Practices for Manufacturers to Authorized Retailers." Research contract with CNH Global, Inc. Project Duration: May 2005 to June 2006. Project Amount: \$3,099.

Jaenicke, E.C. "Irradiated Ground Beef: The Adoption by Supermarkets and Grocery Stores." USDA/CSREES National Research Initiative Competitive Grants Program, September 2000 - August 2004. Project Amount: \$110,000.

Floros, J.D., R. Roberts, S. Doores, J.L. Brown, V.M. Puri, A. Demirci, J. Irudayaraj, J. James, E.C. Jaenicke, B. Jayarao, and L.M. Sordillo. "Regulation, Risk and Return: A Food Systems Approach to Dairy Product Safety." USDA/CSREES Special Research Grants Program. Project Duration: July 2002 - June 2005. Project Amount - Total: \$561,217. Budgeted portion for James and Jaenicke: \$60,000. Role: Co-PI.

D. Frechette, E.C. Jaenicke, J. James, and J. Stokes. College of Agricultural Sciences, Faculty Development Grant. Submitted October 2002, Approved for \$2,000.

INVITED PRESENTATIONS

Jaenicke, E.C., Y. Liu, J. Reed, C-L. Huang, and M. Vecchi. "Valuing Local Food Across the Rural-Urban Spectrum: Definitional unconventionality vs. scanner data practicality." EEEPI Seminar Series, Cornell University, Feb. 16, 2024.

Jaenicke, E.C., Y. Liu, J. Reed, C-L. Huang, and M. Vecchi. "Valuing Local Food Across the Rural-Urban Spectrum: Definitional unconventionality vs. scanner data practicality." EEEPI Seminar Series, Penn State University, Feb. 7, 2024.

Jaenicke, E.C., J. Reed, Y Liu, E. Wang, and E. Zeballos, "Investigating Rational Addiction To Foods At The Household Level" Montana State University, May 6, 2022

Jaenicke, E.C., J. Reed, Y Liu, E. Wang, and E. Zeballos, "Investigating Rational Addiction To Foods At The Household Level" Arizona State University, Morrison School of Agribusiness, March 23, 2022

Jaenicke, E.C. (with Yang Yu). "Household-level Food Waste Estimation with Food Acquisition Data and Next Steps." USDA Economic Research Service, Food Economics Division, April 21, 2021.

Jaenicke, E.C. "Statistical Analyses of Food Purchases," Webinar on Household Food Waste Measurement: Alternatives to Diaries and Digs, Department of Agricultural, Environmental, and Development Economics, Ohio State University, October, 12, 2020

Jaenicke, E.C. "Household-level Food Waste: Estimation, Behavioral Insights, and Next Steps," Department of Agricultural Economics and Rural Sociology, Auburn University, Feb. 24, 2020.

Jaenicke, E.C. "Two Projects on Consumer-level Food Waste: (1) Household Estimates, and (2) Effects from Extended "Sell-by" Dates." Nutritional Sciences Department, Penn State University, Feb. 25, 2019.

Jaenicke, E.C. "Consumer-level Food Waste: Household Estimates, and Effects from Extended "Sell-by" Dates." Macalester College Economics Seminar, Saint Paul, MN, Oct. 4, 2018.

Jaenicke, E.C. (i) "Estimating Food Waste at the Household Level " and (ii) "Food Waste Due to Sell-by Dates." Toulouse School of Economics, Food Economics Group, Toulouse, France. May 24, 2018.

Jaenicke, E.C. "Organic Hotspots." Featured speaker at the California Certified Organic Farming (CCOF) Annual Meeting and Conference, Sacramento, CA, Feb. 22-23, 2018.

Jaenicke, E.C., with Y. Yang. "Estimating Food Waste at the Household Level." Invited Seminar at the University of Minnesota, Department of Applied Economics, October 25, 2017.

Jaenicke, E.C., with L. Chenarides and J. Handbury. "What's in Your Basket?" A Discussion of New Research on Food Access, Shopping Behavior & Health from National & Philadelphia-based Studies." Penn State Center - Philadelphia, June 19, 2017.

Chenarides-Hall, L. and E.C. Jaenicke. "Store Choice and Consumer Behavior in Food Deserts: An Empirical Application of the Distance Metric Method," Invited Paper. ASSA Session on "Modeling Household Food Choice Behavior Using Store-Based and Household-Based Scanner Data," ASSA Annual Meeting, Chicago, IL, January 6-8, 2017.

Jaenicke, E.C. "Organic Hotspots and Labor." Natural Foods Expo East, All Things Organic, Trade Show, Education, and Events. Baltimore Convention Center, September 18, 2016

Jaenicke, E.C. "A Distance Metric Approach to Attributes-based Consumer Choices: Applications to (i) Brand Choice in Ready-to-Eat Cereals and (ii) Store Choice in a Single Geographic Market" Toulouse School of Economics, Food Economics Group, Toulouse, France. September 7, 2016

Jaenicke, E.C. "U.S. Organic Hotspots and their Benefit to Local Economies." The Organic Trade Association Policy Conference, Washington, D.C., May 25, 2016.

Chenarides, L., E.C. Jaenicke, R. Volpe. "Product Assortment, Price-Cost Margins, and Food Access across the U.S. Food Retailing Landscape," Invited Presentation at the USDA/ERS/RTI/ERS Sponsored Workshop on "Applying IRI Store and Household Scanner Data in Food Policy Studies," April 18, 2016.

Jaenicke, E.C. "Organic Equivalency's International Trade Impact." Natural Foods Expo East, All Things Organic, Trade Show, Education, and Events. Baltimore Convention Center, September 18, 2015

Jaenicke, E.C. "Quantifying the International Organic Marketplace." Organic Trade Association Policy Conference, The Organic Trade Association, Washington, D.C., April 15, 2015.

Jaenicke, E.C. "Health-Related Product Attributes and Purchasing Behavior in the Ready-to-Eat Cereal Market: An Application with Household-level, Censored

Data." Distinguished Speaker Seminar Series, Cornell University, Ithaca, NY, October 18, 2013.

Jaenicke, E.C. "Food and Agricultural Case Studies: Similarities and Differences between the U.S. and France." Global Penn State: Internationalizing the Curriculum. Penn State University, University Park, PA., September 27-28, 2013.

Jaenicke, E.C. "Report from a USDA/ERS Research Sabbatical: Organic Price Premiums and Healthy Food Choices." M.E. John Seminar Series, Department of AESE, Penn State University, May 3, 2013.

Jaenicke, E.C. "Health-Related Product Attributes and Purchasing Behavior in the Ready-to-Eat Cereal Market: An Application with Household-level, Censored Data." M.E. John Seminar Series, Department of AESE, Penn State University, December 6, 2013. (Presenter.)

Jaenicke, Edward C. "Organic Foods Meet Big Retail: Organic Imports, Private Labels, and Slotting Fees." Invited seminar presented at the U.S. Department of Agriculture, Economic Research Service, Washington, D.C., February 18, 2011.

POSITIONS OR MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Special Issue Co-Editor, *Agricultural and Resource Economics Review*, 2018-2020.
President-Elect, President, and Past-President, Northeast Agricultural and Resource Economics Association, 2013-2016.
Board of Directors member, Northeastern Agricultural and Resource Economics Association, 2011 to 2013.
Member, Northeastern Agricultural and Resource Economics Association, 1998 to present.
Member, Agricultural and Applied Economics Association (formerly the American Agricultural Economics Association), 1995 to present.
Member, Agricultural and Applied Economics Association Ph.D. Dissertation Award Committee, 2012 to 2014.

GRANT PANEL MANAGER AND GRANT PANEL MEMBER

USDA/AFRI National Institute for Food and Agriculture, **Panel Manager**, Economics, Markets and Trade, Program, August to December 2023.

USDA/AFRI National Institute for Food and Agriculture, Panel Member and Reviewer, Markets and Development Program, Washington, D.C., January 21-23, 2020.

USDA/AFRI National Institute for Food and Agriculture, **Panel Manager**, Markets, Trade, and Environment Program, Washington, D.C., FY2014, September 11-13, 2013. Approximately 90 proposals, and \$6 million in grant funds awarded.

USDA/AFRI National Institute for Food and Agriculture, **Panel Manager**, Markets, Trade, and Environment Program, Washington, D.C., FY 2012, July 7-8, 2011. Approximately \$3.5 million in grant funds awarded.

USDA/AFRI National Institute for Food and Agriculture, Panel Member and Reviewer, Markets and Development Program, Washington, D.C., November 3-4, 2010. Approximately \$3.0 million in grant funds awarded.

USDA/CSREES Program of Research on the Economics of Invasive Species Management (PREISM), Competitive Award Program, Panel Member and Reviewer, June 2006. Approximately \$1.1 million in grant funds awarded.

USDA/CSREES National Research Initiative Competitive Grants Program, Panel Member and Reviewer, Markets and Trade Program, Washington, D.C., June 1 - 4, 2004. Approximately \$2.2 million in grant funds awarded.

USDA/CSREES Program of Research on the Economics of Invasive Species Management (PREISM), Competitive Award Program, Panel Member and Reviewer, May 2003. Approximately \$1.5 million in grant funds awarded.

EXTERNAL REVIEWER FOR PROMOTION AND TENURE

Six reviews of Assistant Professors applying for Associate Professor with Tenure.

Five reviews of Associate Professors applying for Professor.

Three reviews of USDA-ERS economists applying for promotion.

REVIEWER FOR REFEREED JOURNALS

Agribusiness: An International Journal
Agricultural Economics
Agricultural and Resource Economics Review
Agriculture and Human Values
American Journal of Agricultural Economics
Appetite
Applied Economics and Perspectives and Policy
Australian Journal of Agricultural and Resource Economics
Canadian Journal of Agricultural Economics
Discover Sustainability
European Review of Agricultural Economics
Food Policy
Journal of Agricultural and Resource Economics
Journal of Economic Behavior and Organization
Journal of Environmental Economics and Management
Journal of Environmental Management
Journal of Productivity Analysis
Journal of the Operations Research Society
Renewable Agriculture and Food Systems
Review of Agricultural Economics
Southern Economic Journal
Sustainability

TEACHING AND ADVISING

Teaching Awards

Community of Teaching Excellence Award, College of Agricultural Sciences, Penn State University, October 2014.
Community of Teaching Excellence Award, College of Agricultural Sciences, Penn State University, October 2011.
Gamma Sigma Delta Faculty Award for Outstanding Teaching, College of Agricultural Sciences, Penn State University, 2009
Community of Teaching Excellence Award, College of Agricultural Sciences, Penn State University, October 2006.

Recognition of Advising Effectiveness

Certificate of Recognition, Student Support Services Mentoring Program, Penn State University, April 2006. Mentor to Agribusiness Management student, Israel Garduno.

SERVICE TO THE DEPARTMENT AND COLLEGE - SUMMARY

Department

- ❑ Graduate Program Director: Formerly, "Agricultural, Environmental, and Regional Economics", now "Energy, Environmental, and Food Economics," 2007-2011, and 2018 to 2020.
- ❑ Agricultural and Resource Economics Cluster Elected Representative, 2014 to 2018.
- ❑ Faculty Advisory Committee to the Department Head, Member, 2014 to 2018.
- ❑ Lead Faculty for Agribusiness Management Online, World Campus, 2014 to 2016.
- ❑ Agribusiness Management Undergraduate Committee, Member, 2002 to 2005, and 2015 to present.
- ❑ Promotion and Tenure Committee, Member, 2009 to 2013, 2015 to 2018, and 2019 to present.
- ❑ Department Head Search Committee, Member, 2008 and 2016.
- ❑ Faculty Search Committee Chair, 2007, 2015-2018, and 2019.

College

- ❑ Promotion and Tenure Committee, 2021 to present.
- ❑ Faculty Advisory Committee to the Dean, Member, 2014 to 2017.
- ❑ Faculty Development Committee, Chair, 2010, and Member, 2008 and 2009.

University

- ❑ Penn State Graduate Council, Elected Member, 2019 to 2021.
- ❑ Penn State Graduate Council Committee, Member, Joint Committee on Programs and Courses, 2019 to 2021