

Curriculum Vitae of Dr. Kenneth A. Foster

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Education

Ph.D. – Agricultural and Resource Economics, University of California, Davis, CA, 1990

M.S. – Agricultural and Resource Economics, University of Georgia, Athens, GA, 1986

B.S. – Purdue University, West Lafayette, IN, 1981

Professional Positions

Head of Department, Department of Agricultural Economics, Purdue University, 2008- present

Associate Head and Graduate Program Director, Department of Agricultural Economics, Purdue University 2004 to 2008

Visiting Research Scientist, Danish Meat Research Institute, Roskilde, Denmark, 2003

Professor, Department of Agricultural Economics, Purdue University, 1999 to present

Associate Professor, Department of Agricultural Economics, Purdue University, 1995 to 1999

Visiting Academic, Department of Agricultural and Resource Economics, University of New England, Armidale, NSW, Australia, 1996 to 1997

Assistant Professor, Department of Agricultural Economics, Purdue University, 1990 to 1995

Memberships in Professional Organizations

American Agricultural Economics Association

Western Agricultural Economics Association

Southern Agricultural Economics Association

National Association of Agricultural Economics Administrators

Awards and Honors

President of Fairway Cooperative, 1980.

Teacher of the Year, Belize School of Agriculture, 1983.

Dawson Fellowship in Agriculture, University of Georgia, 1984.

Gamma Sigma Delta Honorary Society, 1986.

Advisor to Outstanding M.S. Thesis, C. Scott Johnson, Department of Agricultural Economics, Purdue University, 1992.

Distinguished Extension Award, American Agricultural Economics Association, 1992.

Dean's Team Award, Purdue University School of Agriculture, 1996.

Innovation Award for Education, American Society of Animal Science, 1996.

Swine Innovation Award for Education, National Pork Producers Council, 1996.

Distinguished Extension Award, American Agricultural Economics Association, 1996.

Blue Ribbon Award for Extension Methods, American Society of Agricultural Engineers, 1997.

Advisor to Outstanding M.S. Thesis, Roque Barrientos, Outstanding M.S. Thesis, Department of Agricultural Economics, Purdue University, 2000.

Advisor to Outstanding M.S. Thesis, Miguel Echarnier, Department of Agricultural Economics, Purdue University, 2004.

Faculty Award of Merit in Research, Gamma Sigma Delta, 2004.

Faculty Award of Merit in Outreach, Gamma Sigma Delta, 2004.

Acorn Award, Purdue University for Sponsored Research Projects in Excess of \$1Million, 2005.

Extension Team Award, Purdue University Cooperative Extension Service Association, 2006.

Dean's Team Award, Purdue University College of Agriculture, 2007.

Extension Team Award, Purdue University Cooperative Extension Service, 2007.

Outstanding Graduate Educator Award, Purdue University College of Agriculture, 2008.

Distinguished Graduate Educator, Agricultural and Applied Economics Association, 2009.

Board of Directors Ex-Officio Member, Agribusiness Council of Indiana, 2008-present.

Administrative and Leadership Experience

Dr. Foster currently holds the position as Head of the Department of Agricultural Economics at Purdue University. In this role, he is responsible for the fiscal, personnel, and strategic management of a budget with approximately \$15 million in annual expenditures. Dr. Foster assumed this role in 2008, and under his leadership, the department's budget has increased by over 75 percent during a period of higher education budget contractions. This growth has occurred through targeted efforts in sponsored research and fee-based outreach programming. As head, Dr. Foster directs a staff consisting of approximately 43 tenure-track professors, 4 non-tenure track clinical/research professors, 46 support staff employees, and 70 graduate research and teaching assistants. The Department of Agricultural Economics represents a diverse team of people and activities that include research, teaching (on campus and via distance delivery), and outreach. Furthermore, the scope of disciplinary interests among faculty and staff ranges from production agricultural economics, marketing and agribusiness management to community development. This continuum encompasses active scholarship and instruction in natural resource economics, agribusiness, international development, international trade, and both small and commercial-scale agriculture. Dr. Foster has demonstrated capacity to create cohesion among a diverse organization by focusing everyone's efforts on the shared values of improving private decision-making and

public policy through relevant research, teaching, and outreach. Dr. Foster has led development in curriculum and expansion of a distance-based MS program to grow student majors in his department by 50 and 25 percent in undergraduate and graduate programs respectively. It is important to recognize that under Purdue University's budget model increasing student numbers at the undergraduate level does **not** increase departmental budgets.

Dr. Foster's role as Department Head also involves extensive outreach to stakeholders in the agricultural, energy, community development, government policy, and natural resources arenas. He routinely interacts with and hosts visits by representatives from private industry, government, and non-governmental agencies. This role includes public relations, information sharing, research collaborations, partnership building, and fund raising. Dr. Foster is responsible for stewarding a substantial growth in scholarship funds with over \$2 million in new scholarship endowments during his tenure as head. In 2012, the department awarded over \$250,000 in scholarships.

Prior to serving as Department Head, Dr. Foster held a part-time administrative post as Associate Head and Director of Graduate Programs in the Department of Agricultural Economics. He was responsible for leading the development of strategy and directing the day-to-day operations for the 100+ student doctoral and MS programs. Dr. Foster managed the graduate research and teaching assistant budget of approximately \$1 million and was responsible for securing over \$300,000 in graduate student fellowships for students.

Dr. Foster's leadership extends to the national level where he is viewed as a strong advocate for leadership development. This is evidenced by his election by peers to a three-year term of service as chair of the National Association of Agricultural Economics Administrators (NAAEA) from 2011-13. This organization provides professional development and networking opportunities for leaders in the Agricultural and Applied Economics profession. These leaders come from academic, government, and non-governmental institutions in North America. Dr. Foster organized or co-organized three professional development conferences and seminars for the organization. He also led an initiative to inaugurate an annual award recognizing members of the profession who demonstrate early-career leadership capability, led a redesign of the group's web page, and coordinated communications and information sharing via email and internet postings.

Research Interests

Dr. Foster's applied research program is global in scope with peer-reviewed analyses undertaken on all continents except Antarctica. One of his recent publications explores the potential of alternative market policies to improve the livelihoods of traditional pastoral cattle herders in Northern Kenya. At the same time, he has conducted research aimed at the improvement of decisions by private agricultural managers and policy makers in the North American and European livestock and meat sectors. Dr. Foster has provided testimony before the U.S. Senate Committee on Agriculture, Nutrition, and Forestry, the Danish Meat and Bacon Council, as well as, state policy groups and numerous agricultural and natural resource stakeholder audiences regarding implications of his research and associated public policy alternatives. Dr. Foster's current research activities include exploring the economics of post-harvest technologies to increase food security in developing countries, analysis of impacts of U.S. farm policy on farm-level resource allocations and farm structure, and investigation of the competitive forces in the meat processing sector. An unique

aspect of Dr. Foster's research is his strong emphasis on collaboration with experts in other disciplines. To date, his research has attracted over \$6 million dollars in total funding support.

Instruction and Mentorship

Dr. Foster has received awards for teaching and mentorship at both the university and national levels. Dr. Foster developed curriculum for and initially taught two core doctoral courses (Economic Dynamics and Applied Economics) at Purdue. In addition, he has taught field courses in Production Economics and Applied Economic Time Series Analysis. In 2013, Dr. Foster entered the undergraduate classroom and now teaches a course in Agricultural Price Analysis. Dr. Foster revised the course content and developed extensive learning objectives to enhance student learning in this course. Dr. Foster also co-instructs an international multi-disciplinary service learning course with colleagues in Civil Engineering and Nursing at Purdue. The course is designed to teaching students from three dissimilar disciplines to work in teams to develop and implement solutions to real-world problems. The course focuses on community-based solutions for potable water in the Dominican Republic. The students have designed and collaborated with a community built one such system already and have plans in place for three more. As a part of the project, community health and business entrepreneurship training programs are also implemented to leverage the sustainability of the water purification system.

Dr. Foster's teaching and mentoring philosophy is to set goals for students that encourage their ability to make independent contributions in their careers. His doctoral and MS students hold leadership positions in academia, government, and business. Dr. Foster has co-authored 38 peer-reviewed journal articles with students or former students, and one of his most recent undergraduate advisees received the France Cordova Outstanding Leadership Award at Purdue University.

Peer-Reviewed Journal Publications

Paris, Q., K. Foster, and R. Green, "Separability Testing in Production Economics: Comment." *Amer J of Agric Econ*, 72(2): 499-501, 1990.

Dorfman, J. and K. Foster, "Estimating Productivity Changes with Flexible Coefficients." *West J of Agric Econ*, 16(2): 280-90, 1991.

Foster, K. and O. Burt, "A Dynamic Model of Investment in the United States Beef Industry." *J of Bus and Econ Stat*, 10(4): 419-29, 1992.

Boland, M., K. Foster, G. Patrick, J. Foster, and D. Orr, "Estimating the Linkages Between Productivity and Profitability in Swine Enterprises." *The J of the Amer Soc of Farm Managers and Rural Appraisers*, 57(1): 55-8, 1993.

Drake, D., K. Foster, D. Petritz, and T. Perry, "An Economic Analysis of Alternative Feeds in Midwestern Beef Cattle Finishing Rations." *J of Sustainable Agric*, 4(1): 21-39, 1993.

Foster, K., R. Green, and J. Alston, "Estimating Elasticities with the Linear Approximate Almost Ideal Demand System: Some Monte Carlo Results." *Rev of Econ and Stat*, 75(2): 351-4, 1994.

- Walburger, A. and K. Foster, "Using Censored Data to Estimate the Implicit Value of Swine Breeding Stock Attributes." *Rev of Agric Econ*, 16(2): 259-68, 1994.
- Johnson, C.S. and K. Foster, "Risk Preferences, Contracting, and Vertical Integration in the U.S. Hog Industry." *J of Agric and Applied Econ*, 26(2): 393-405, 1994.
- Boland, M., K. Foster, and A. Schinckel, "Alternative Pork Carcass Evaluation Technologies: 1. Differences in Predictions of Value." *J of An Sci*, 73: 637-44, 1995.
- Boland, M., K. Foster, and A. Schinckel, "Alternative Pork Carcass Evaluation Technologies: 2. Statistical Analysis of Error Attributable to Sex, Genotype, and Weight." *J of An Sci*, 73: 645-50, 1995.
- Boland, M. and K. Foster, "Simulation of Carcass Evaluation Technology in a Pork Packing Plant: Feasibility and Economic Analysis." *Trans of the Amer Soc Agric Eng*, 38: 593-99, 1995.
- Foster, K. and A. Mwanaumo, "Estimation of Dynamic Maize Supply Response in Zambia." *Agric Econ*, 12: 99-107, 1995.
- Boland, M., K. Foster, and J. Akridge, "Packer Sorting Strategies for Fresh Pork." *Agribusiness: An International J*, 11: 423-430, 1995.
- Foster, K., A. Havenner, and A. Walburger, "System Theoretic Time Series Forecasts of Weekly Live Cattle Prices." *Amer J of Agric Econ*, 77: 1012-23, 1995.
- Boland, M., K. Foster, P. Preckel, and A. Schinckel, "Analyzing Pork Carcass Evaluation Technologies in a Swine Bioeconomic Model." *J of Production Agric*, 9(1996): 45-49.
- Klein, K., M. Faminow, A. Walburger, B. Larue, R. Romain, K. Foster, "Evaluating Supply Chain Performance: A Case Study of the Canadian Pork Sector." *Supply Chain Management: An International Journal*, 1: 10-22, 1996.
- Walburger, A. and K. Foster, "Assessing the Relationship Between Market Factors and Regional Price Dynamics in U.S. Cattle Markets." *J of Agric and Res Econ*, 22: 133-144, 1996.
- Dalton, T., W. Masters, and K. Foster, "Input Use and Substitution in Africa: Smallholder Agriculture in Zimbabwe." *Agric Econ*, 17: 201-209, 1997.
- Walburger, A. and K. Foster, "Determination of Focal Pricing Regions in the U.S. Cattle Industry." *Amer J of Agric Econ*, 80(1): 84-95, 1998.
- Boland, M., P. Preckel, and K. Foster, "Economic Analysis of Phosphorus Reducing Technologies in Pork Production." *J of Agric and Res Econ*, 23(1): 468-82, 1999.
- Boland, M., K. Foster, and P. Preckel, "Nutrition and the Economics of Swine Management." *J of Agric and Applied Econ*, 31(1): 83-96, 1999.
- Boland, M., K. Foster, P. Preckel, D. Jones, and B. Joern, "Using Linear Programming to Minimize Manure Storage and Application Costs in Pork Production." *J of Production Agric*, 12: 405-8, 1999.
- Foster, K. and A. Havenner, "Cointegration and Settlement of Commodity Futures Contracts." *Macroeconomic Dynamics*, 3: 226-42, 1999.
- Maung, A. and K. Foster, "Capital Investment Under Alternative Marketing Scenarios in the Hog Industry: A Real Option Approach." *Can J of Agric Econ*, 50: 223-35, 2002.

- Hyde, J. and K. Foster, "Estimating Dynamic Relationships Between Pork Advertising and Revenues." *Rev of Agric Econ*, 25: 279-93, 2003.
- Li, N., A. Schinckel, P. Preckel, and K. Foster, "Analysis of Economically Optimal Nutrition and Marketing Strategies for Paylean Use in Hog Production." *J of Agric and Res Econ*, 28: 272-86, 2003.
- Foster, K., N. Anwar, R. Pogue, D. Morr , T. Keenan, and J. Morr , "Seasonal Autocorrelation Analyses Applied to a Complex Ultradian Biorhythm – The Oscillating NADH Oxidase Activity of Plasma Membranes Having a Potential Time-Keeping Function." *Nonlinearity in Biology, Toxicology, and Medicine*, 1: 51-70, 2003.
- Yap, C., K. Foster, P. Preckel, O. Doering, and B. Richert, "Mitigating the Compliance Cost of Swine Manure Management Policies." *J of Agric and Applied Econ*. 36(2004):23-34.
- Nin-Pratt, A., T. Hertel, K. Foster, and A. Rae, "Productivity Growth, Catching-up, and Uncertainty in China's Meat Trade." *Agric Econ*. 31(2004): 1-16.
- Acosta, G., K. Foster, and G. Sullivan, "The Effects of NAFTA on Trade and Welfare in the US Fresh Tomato Industry." *J of Intl Food and Agribusiness Mktg*. 16(2004): 115-39.
- Ludena, C., T. Hertel, P. Preckel, K. Foster, and A. Nin-Pratt, "Cambios Tecnol gicos y Productividad en el Sector Agropecuario: Un An lisis del Regi n Andina." *Cuestiones Econ micas*, 21(2005): 61-84.
- Schinckel, A., N. Li, B. Richert, P. Preckel, K. Foster, and M. Einstein, "Development of a Model to Describe the Compositional Growth and Dietary Lysine Requirements of Pigs Fed Increasing Dietary Concentrations of Ractopamine." *The Professional Animal Scientist*, 22(2006): 438-49.
- Nilsson, T., K. Foster, and J. Lusk, "Marketing Opportunities for Certified Pork Chops," *Can J of Agric Econ*. 54(2006): 567-83.
- Lusk, J., T. Nilsson, and K. Foster, "Public Preferences and Private Choices: Effect of Altruism and Free Riding on Demand for Environmentally Certified Pork," *Env and Res Econ*. 36(2007): 499-521.
- Ludena, C., T. Hertel, P. Preckel, K. Foster, and A. Nin-Pratt, "Productivity Growth and Convergence in Crop, Ruminant, and Non-Ruminant Production: Measurement and Forecasts." *Agric Econ*. 37(2007): 1-17.
- Boys, K., N. Li, P. Preckel, A. Schinckel, and K. Foster, "Economic Replacement of a Heterogenous Herd." *Amer J Agric Econ*. 89(2007): 24-35.
- Schinckel A., M. Einstein, K. Foster, and B. Craig, "Evaluation of the Impact of Errors in the Measurement of Backfat Depth on the Prediction of Fat-Free Lean." *J An Sci*. online publication April 12, 2007.

- Schinckel, A., M. Einstein, K. Foster, and B. Craig, "Evaluation of the Impact of Errors in the Measurement of Backfat on the Prediction of Fat Free Lean Percentage," *Professional Animal Scientist*, 24(2008): 135-48.
- Motamed, M., K. Foster, and W. Tyner. "Applying Cointegration and Error Correction to Measure Trade Linkages: Maize Prices in the U.S. and Mexico," *Agricultural Economics*, 39(2008):29-39.
- Ubilava, D. and K. Foster, "Quality Certification vs. Product Traceability: Consumers' Preferences for Informational Attributes of Pork in the Republic of Georgia," *Food Policy*, 34(2009): 305-10.
- Grant, J., D. Lambert, and K. Foster, "A Seasonal Inverse Almost Ideal Demand System for North American Fresh Tomatoes," *Canadian Journal of Agricultural Economics*, 58(2010): 215-34.
- Ubilava, D., K. Foster, J. Lusk, and T. Nilsson, "Effects of Income and Social Awareness on Consumer Willingness to Pay for Social Product Attributes," *Technological Forecasting and Social Change*, 77(2010): 587-93.
- Ubilava, D., K. Foster, J. Lusk, and T. Nilsson, "Differences in Consumer Preferences When Facing Branded vs. Non-Branded Choices," *Journal of Consumer Behaviour*, 10(2011): 61-70.
- Baldwin, K., K. Foster, and K. Jones. "A Stochastic Approach to Evaluating Livestock Marketing Policy Development Initiatives," *African Journal of Agricultural and Resource Economics*, 6(2011): 104-17.
- Zheng, S., P. Xu, K. Foster, and Z. Wang, "Price Discovery in the Chinese Soybean Futures Market," *The Journal of China and Global Economics*, 1(2012): 3-15.
- McKendree, M., N. Widmar, D. Ortega, and K. Foster, "Consumer Preferences for Verified Pork-Rearing Practices in the Production of Ham Product," *J of Agric and Res Econ*, 38(2013): 397-417.
- Hatzenbuehler, P., P. Abbott, and K. Foster, "Agricultural Commodity Prices and Exchange Rates Under Structural Change," *J of Agric and Res Econ*, 41(2016): 204-24.

Journal Papers In Review

- Haque, S., K. Foster, R. Keeney, and K. Boys, "Implications for Eliminating Direct Payments to Farmers."

Other Research Publications, Book Chapters, and Symposium Contributions

- Clifton, I. and K. Foster, "The Georgia Farm Real Estate Market: Survey of Current Developments, 1986." Georgia Agricultural Experiment Station Research Bulletin No. 0435-4680, University of Georgia, Athens, GA, 1986.
- Foster, K., "An Economic Overview of Livestock Waste Management Concerns." *National Livestock, Poultry, and Aquaculture Waste Management: Proceedings of the National*

- Workshop*, Blake, Donald, and Magette (editors), American Society of Agricultural Engineers, 1992.
- Foster, K., J-C. Klotz, L. Clark, D. Jones, and A. Sutton, "A Feasibility Study of Some Alternative Dead Hog Disposal Methods." *Integrated Resource Management and Landscape Modification for Environmental Protection*, J. Mitchell (editor), American Society of Agricultural Engineers, 1993.
- Boland, M., K. Foster, J. Akridge, and J. Forrest, "Simulation Results for a Pork Packing Plant Model." Purdue University Experiment Station Bulletin No. 677, West Lafayette, IN, 1994.
- Boland, M., K. Foster, J. Akridge, and J. Forrest, "Adding Value to a Commodity Product: Packer Sorting Strategies for Fresh Pork." Purdue University Agricultural Experiment Station Journal Paper No. 13757, West Lafayette, IN.
- Boland, M., K. Foster, and P. Preckel, "Analysis of Manure Management Systems and Phytase Adoption by Pork Producers." *Creating and Managing Environments for Livestock Health and Well-Being: Fifth International Livestock Environment Symposium*, K. Janni editor, American Society of Agricultural Engineers, 1997.
- Arndt, C. and K. Foster, "A State Space Model of Monthly U.S. Wheat Prices," Chapter in *Applications of Computer Aided Time Series Modeling*, M. Aoki and A. Havenner editors, Springer-Verlag, 1997.
- Walburger, A. and K. Foster, "Mean Reversion as a Test for Inefficient Price Discovery: An Application U.S. Regional Cattle Prices." Purdue University Agricultural Experiment Station Journal Paper No. 15135, West Lafayette, IN.
- Cranfield, J. and K. Foster, "A Bayesian Vector Autoregression Model for Forecasting Regional Cattle Prices." Purdue University Agricultural Experiment Station Journal Paper No. 15530.
- Paarlberg, P., M. Boehlje, K. Foster, O. Doering, and W. Tyner, "Structural Change and Market Performance in Agriculture: Critical Issues and Concerns about Concentration in the Pork Industry." Staff Paper #99-14, Department of Agricultural Economics, Purdue University, West Lafayette, IN, 1999.
- Henderson, J. and K. Foster, "Characteristics of U.S. Veal Consumers." Staff Paper #00-02, Department of Agricultural Economics, Purdue University, West Lafayette, IN, 2000.
- Yap, C., K. Foster, P. Preckel, O. Doering, and B. Richert, "The Economic Impacts of Phosphorus Based Manure Management Policies on a Representative North Central Indiana Hog-Grain Farm." Staff Paper #01-03, Department of Agricultural Economics, Purdue University, West Lafayette, IN, 2001.
- Poray, M., K. Foster, and J. Dorfman, "Measuring an Almost Ideal Demand System with Generalized Flexible Least Squares." Staff Paper #01-01, Department of Agricultural Economics, Purdue University, West Lafayette, IN, 2001.
- Langyintuo, A. and K. Foster, "The Potential Impact of Input Policy on Maize Supply in Ghana." *Proceedings of WECAMAN Regional Workshop*, Benin, 2002.

- Detre, J. and K. Foster, "Indirect Utility Functions and Testable Conditions: Implications of the Underlying Data," Selected Paper American Agricultural Economics Association, Denver, Co., 2004.
- Fisher, M. and K. Foster, "Measuring the Effect of Rural Residence on Individual Employment Outcomes," Selected Paper American Agricultural Economics Association, Denver, Co., 2004.
- Golub, A., J. Henderson, and K. Foster, "Does Rural Job Growth Lead the Economy Out of Recession?" Selected Paper American Agricultural Economics Association, Denver, Co., 2004.
- Mahmoud, C. and K. Foster, "Measuring Market Power in the U.S. Livestock Industry with Trend and Cycle," Selected Paper American Agricultural Economics Association, Denver, Co., 2004.
- Nilsson, T. and K. Foster, "Certification of Meat Products," Selected Paper American Agricultural Economics Association, Denver, Co., 2004.
- Schroeter, C. and K. Foster, "The Impact of Health Information on Demographic Changes on Aggregate Meat Demand," Selected Paper American Agricultural Economics Association, Denver, Co., 2004.
- Schinckel, A., N. Li, P. Preckel, K. Foster, and B. Richert, "Using a Stochastic Model to Evaluate Swine Management with Paylean." *Proceedings of the London Swine Conference-Production at the Leading Edge*, London, Ontario, Canada, April 2005.
- Schinckel, A. B. Richert, and K. Foster, "Managing Pigs in the Pork Production Chain," *Proceedings of the London Swine Conference-Production at the Leading Edge*, London, Ontario, Canada, April 2005.
- Boys, K. and K. Foster, "Bias and Scale Effects of Direct Government Payments," Selected Paper American Agricultural Economics Association, Providence, RI., 2005.
- Boys, K. N. Li, P. Preckel, A. Schinckel, and K. Foster, "Economics Replacement of a Heterogenous Herd," Selected Paper American Agricultural Economics Association, Providence, RI., 2005.
- Grant, J. and K. Foster, "An Inverse Almost Ideal Demand System of Fresh Tomatoes in the U.S." Selected Paper American Agricultural Economics Association, Providence, RI., 2005.
- Larsen, K. and K. Foster, "Technical Efficiency Among Organic and Conventional Farms in Sweden 2000-2002: A Counterfactual and Self-Selection Analysis," Selected Paper American Agricultural Economics Association, Providence, RI., 2005.
- Ludena, C. T. Hertel, P. Preckel, K. Foster, and A. Nin-Pratt, "Disaggregate Productivity Growth in Livestock Production: A Directional Malmquist Index Approach," Selected Paper American Agricultural Economics Association, Providence, RI., 2005.

- Nilsson, T. and K. Foster, "Certification of Pork Products," Selected Paper American Agricultural Economics Association, Providence, RI., 2005.
- Yigezu, Y. and K. Foster, "Production Structure, Technological Change and Scale Economies in the Saw and Planing Mills Industry of New Brunswick." Selected Paper American Agricultural Economics Association, Long Beach, Ca., 2006.
- Aguiar, A. and K. Foster, "Evaluation of the Substitutability Between U.S. and Canadian Softwood Lumber." Selected Paper American Agricultural Economics Association, Long Beach, Ca., 2006.
- Li, N., K. Foster, P. Preckel, A. Schinckel, and B. Richert, "Optimal Control of Desensitizing Inputs: The Case of Paylean," Selected Paper Western Agricultural Economics Association, Anchorage, Ak., 2006.
- Baldwin, K. and K. Foster, "Inefficiencies of the Kenyan Cattle Market: Problems and Potential Solutions," Selected Paper 17th Annual World Food and Agribusiness Forum and Symposium, Parma, Italy, June 2007.
- Ubilava, D., K. Foster, and C. Alexander, "Value of Trust among Georgian Pork Consumer: Analysis of in-store Stated Choice Experiments," Selected Poster 17th Annual World Food and Agribusiness Forum and Symposium, Parma, Italy, June 2007.
- Schinckel, A., P. Preckel, B. Richert, K. Foster, N. Li, K. Boys, J. Hubbs, and D. Canchi, "Pork Production Systems Analyses, Current Status and Future Potential," Proceedings of PIC International Thinking Forward Symposium, p. 56, Nashville, TN. May 2008.
- Radcliffe, J. S., B. T. Richert, D. M. Sholly, K. A. Foster, B. Hollas, T. Lim, J. Ni, A. J. Heber and A. L. Sutton, "Diet modifications to reduce odors, gas emissions and nutrient excretions from swine operations," Proceedings of Mitigation Air Emissions from Animal Feeding Operations Conference. pp. 114-119. Des Moines, IA, 2008.
- Ubilava, D., K. Foster, J. Lusk, and T. Nilsson, "Effects of Income and Social Awareness on Heterogenous Consumers' WTP for Informational Attributes," Selected Paper Western Agricultural Economics Association, Big Sky, MT. 2008.
- Kueth, T., K. Foster, and R. Florax, "A Spatial Hedonic Model with Time-Varying Parameters: A New Method Using Flexible Least Squares," Selected Paper American Agricultural Economics Association, Orlando, FL. 2008.
- Hubbs, T., P. Preckel, A. Schinckel, J. Deen, K. Foster, S. Curtis, and E. Johnson, "The New Economics of Livestock Production Management," Selected Paper American Agricultural Economics Association, Orlando, FL. 2008.
- Ubilava, D., K. Foster, J. Lusk, and T. Nilsson, "Differences in U.S. Consumer Preferences for Certified Pork Chops when Facing Branded vs. Non-Branded Choices," Selected Paper American Agricultural Economics Association, Orlando, FL. 2008.

K. Baldwin, V. DeVeau, K. Foster, and M. Marshall, "Traits Affecting Household Livestock Marketing Decision in Rural Kenya," Selected Paper American Agricultural Economics Association, Orlando, FL. 2008.

Foster, K. "Teaching Tips From Top Teachers," Presented at the Annual Meeting of the Agricultural and Applied Economics Association, Denver, Co, 2010.

Widmar, D., N. Olynk, B. Richert, A. Schinckel, and K. Foster. "Integrated On-Farm Decision Making: Economic Implications of Increased Variation in Litter Size," Selected Paper Southern Agricultural Economics Association, Corpus Christi, TX, 2011.

Foster, K., D. Widmar, D. Buckmaster, R. Lemenager, and N. Olynk. "The Economics of Using Distiller Grains in Small-Scale Beef Operations in Indiana," Selected Paper Southern Agricultural Economics Association, Corpus Christi, TX, 2011.

Widmar, D., N. Olynk, B. Richert, A. Schinckel, and K. Foster, "Integrated On-Farm Decision Making: Economic Implication of Increased Variation in Litter Size," Selected Paper Southern Agricultural Economics Association, Corpus Christi, TX, 2011.

Foster, K. Organizer: "Keys to Successful Cross-Institutional Collaboration," Organized Symposium at the Annual Meeting of the Agricultural and Applied Economics Association, Pittsburgh, PA, 2011.

Foster, K., Organizer : "Biannual Congress of the NAAEA," Washington, DC, September 8-9, 2011.

Foster, K. Discussant: "Designing and Implementing Collaborative Metrics for Departments, Schools, and Colleges," Organized Symposium at the Annual Meeting of the Agricultural and Applied Economics Association, Seattle, Washington, 2012.

Foster, K., B. Hollas, B. Richert, and P. Preckel, "Economic Assessment of DDGS Diets for North American Crop-Hog Farms," Paper Presented at the 6th International Conference for Agricultural Research, Athens, Greece, 2012.

Doye, D., W. Armbruster, G. Nelson, K. Foster, D. Lambert, and B. Goodwin, Organizers: "Jon Brandt Memorial Policy Forum," Organized Symposium at the Annual Meeting of the Agricultural and Applied Economics Association, Washington, DC, 2013.

Foster, K., "Pieces of the Pollinator Health Puzzle," in *Economics of Pollinator Health* an Agricultural and Applied Economics Association Preconference, Minneapolis, MN July 26, 2014.

Foster, K., "Tips on Entering the Academic Job Market," presentation at the Annual Meeting of the Agricultural and Applied Economics Association, Minneapolis, MN, July 2014.

Westzstein, B., R. Florax, K. Foster, and J. Binkley, "Rejuvenating Mississippi River's Post-Harvest Shipping," Presented at the Annual Meeting of the Agricultural and Applied Economics Association, Boston, MA., 2016.

Westzstein, B., R. Florax, K. Foster, and J. Binkley, "Forecasting Agricultural Commodity Transportation Costs: Mississippi River Barge Rates," Presented at the Annual Meeting of the Agricultural and Applied Economics Association, Boston, MA., 2016.

Other Technical and Extension Publications

Foster, K., Sources of Cycles in the United States Beef Industry, *Purdue Agricultural Economics Report*, Fall 1990.

Mayrose, V., K. Foster, G. Libal, and K. Esbenshade, "Performance Guidelines for the Swine Operation." *Pork Industry Handbook*, PIH-100, 1991.

Foster, K. and Petritz, D., Costs and Returns Associated with Pasture Renovation, *Indiana Forage-Livestock Seminar Proceedings and Purdue Beef/Dairy Day Report*, 1991.

Barnard, F. and Foster, K., "Overview of Ringel Farms" in the *Indiana Farm Management Tour Guide Book*, June 1991.

Hurt, C. and Foster, K., Hog Prices to the Year 2000, *Purdue Swine Day Report*, Purdue University Cooperative Extension Service and Agricultural Experiment Station, West Lafayette, In., August, 1991.

Johnson, C., Schrader, L., and Foster, K., "Markets, Contracts, and Integration as Methods to Link Farm Production with Food Processing," *Purdue Agricultural Economics Report*, Spring 1992.

Hurt, C., Foster, K., Kadlec, J., and Patrick, G., "Indiana Hog Production and Processing Industry," in *Indiana Agriculture 2000: A Strategic Perspective*, EC-664 of the Purdue University Cooperative Extension Service, June 1992.

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- Foster, K. and M. Boehlje, "Income Enhancement Strategies for Farmers." FF-5 of the Purdue University Cooperative Extension Service, West Lafayette, IN, 1999.
- Foster, K. and M. Boehlje, "Strategies for Dealing with Agricultural Lenders." FF-6 of the Purdue University Cooperative Extension Service, West Lafayette, IN, 1999.
- Boehlje, M. and K. Foster, "Renegotiating Fixed-Price Hog Production Contracts." FF-7 of the Purdue University Cooperative Extension Service, West Lafayette, IN, 1999.
- Boehlje, M. and K. Foster, "Managing in Times of Financial Stress." FF-8 of the Purdue University Cooperative Extension Service, West Lafayette, IN, 1999.
- Amass, S., K. Clark, and K. Foster, "Coping with Swine Health Problems During Times of Financial Stress." FF-13 of the Purdue University Cooperative Extension Service, West Lafayette, IN, 1999.
- Schutz, M. and K. Foster, "Strategies for Reinvesting Dairy Profits." FF-15 of the Purdue University Cooperative Extension Service, West Lafayette, IN, 1999.
- Foster, K., "USDA Hog Producer Cash Payment Program." FF-30 of the Purdue University Cooperative Extension Service, West Lafayette, IN, 1999.
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- Foster, K., "Critical Issues and Concerns about Concentration in the Pork Industry," Testimony before the Senate Committee on Agriculture, Nutrition, and Forestry on Feb. 1, 2000. Published in the Congressional Record.
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- Chakravarty, S. and K. Foster, "The Evolution of Financial Crisis in 2008," posted on Department of Agricultural Economics, Financial Crisis Resources Web Page, http://www.agecon.purdue.edu/news/financial_crisis.asp, in October 2008.
- Abbott, P. and K. Foster, "Will the Rescue Plan Work? What Might it Accomplish?" posted on Department of Agricultural Economics, Financial Crisis Resources Web Page, http://www.agecon.purdue.edu/news/financial_crisis.asp, in October 2008.
- Smith, J. and K. Foster, "Pricing of Bull Attributes," *Purdue Agricultural Economics Report*. Department of Agricultural Economics, Purdue University, West Lafayette, IN, September 2008.
- Widmar, D., K. Foster, D. Buckmaster, R. Lemenager, and N. Olynk, "The Economics of Using Distiller Grains in Small-Scale Beef Operations in Indiana", *Purdue Ag Econ Report*, December 2010.
- Jones, D., R. Lemenager, K. Foster, B. Doran, R. Euken, and S. Shouse, "Cattle Feeding Buildings in the Midwest," *Agricultural Engineers Digest* (AED 60), MidWest Plan Service, Iowa State University, 2012.

Published Abstracts

- Dorfman, J. and K. Foster, "Estimating Productivity Changes Using Flexible Coefficients." *Amer J of Agric Econ*, 71(5): 1354, 1989.
- Foster, K. and O. Burt, "A Dynamic Model of the U.S. Beef Breeding Herd Inventory." *Amer J of Agric Econ*, 73(5): 1544, 1991.
- Walburger, A. and K. Foster, "An Estimation of the Implicit Value of Swine Breeding Stock Attributes." *Amer J of Agric Econ*, 74(5): 1307, 1992.
- Rudstrom, M. and K. Foster, "Measuring Technical Change and Bias in U.S. Agriculture Using Generalized Flexible Least Squares." *J of Agric and Res Econ*, 18(2): 307, 1993.
- Foster, K., A. Havenner, and A. Walburger, "Multi-Market Arbitrage Using System Theoretic Time Series Forecasts." *J of Agric and Res Econ*, 18(2): 300, 1993.
- Boland, M. K. Foster, P. Preckel, and A. Schinckel, "Genotype and Measurement Bias in Predicting Lean for Three Genotypes of Hogs." *J of An Sci*, 71(supplement 1): 244, 1993.

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- Boland, M., K. Foster, J. Akridge, and J. Forrest, "Adding Value to a Commodity Product: Packer Sorting and Differentiation Strategies for Fresh Pork." *Proceedings of Symposium III: Managing in a Global Economy*, International Agricultural Marketing Association, 1993.
- Boland, M., K. Foster, and P. Preckel, "Biases in Pork Packer Methods of Estimating Carcass Lean and Their Effects on Producer Profits." *Amer J of Agric Econ*, 75(5): 1298, 1993.
- Foster, K., A. Havenner, and A. Walburger, "System Theoretic Time Series Forecasts of Weekly Live Cattle Prices." *Amer J of Agric Econ*, 75(5): 1313, 1993.
- Boland, M., K. Foster, and A. Schinckel, "An Analysis of Error in Pork Carcass Evaluation." *Amer J of Agric Econ*, 76(5): 1270, 1994.
- Boland, M., A. Schinckel, K. Foster, and P. Preckel, "Errors in Predicting Value due to Genotype, Sex, and Weight Under Alternative Carcass Evaluation Technologies." *J of An Sci*, 72(supplement 1): 1994.
- Dalton, T., W. Masters, and K. Foster, "Input Use and Substitution in Africa: Smallholder Agriculture in Zimbabwe." *Amer J of Agric Econ*, 77(5): 1362, 1995.
- Walburger, A. and K. Foster, "Mean Reversion as a Test for Inefficient Price Discovery in U.S. Regional Cattle Markets." *Amer J of Agric Econ*, 77(5): 1370, 1995.
- Humphries, E. and K. Foster, "The Incorporation of Risk Aversion, Output Price Uncertainty, and Input Price Uncertainty into a Duality Model of Production." *Amer J of Agric Econ*, 78(5): 1400, 1996.
- Foster, K. and A. Havenner, "Cointegration and Settlement of Commodity Futures Contracts," *Amer J of Agric Econ*, 78(5): 1404, 1996.
- Boland, M., P. Preckel, and K. Foster, "Joint Dynamic Optimization of Ration and Marketing Time: An Application to Pork Production." *Amer J of Agric Econ*, 78(5): 1409, 1996.
- Boland, M., P. Preckel, and K. Foster, "Economic Analysis of Phytase Adoption by Pork Producers." *Amer J of Agric Econ*, 79(5): 1717, 1997.
- Nin-Pratt, A. and K. Foster, "Thinking in the Future of Agricultural Trade: Productivity Growth and Catching-up in the Asia-Pacific Countries." *Amer J of Agric Econ*, 81(5): 1999.
- Hyde, J. and K. Foster, "Effects of Advertising on Farm, Wholesale, and Retail Pork Revenues." *Amer J of Agric Econ*, 81(5): 1999.
- Poray, M., K. Foster, and J. Dorfman, "Measuring an Almost Ideal Demand System with Generalized Flexible Least Squares," *Amer Agric Econ Assoc*, www.aaea.org, 2000.
- Maung, A. and K. Foster, "Investment Under Uncertainty: Producer Cooperative Packing Plants," *Amer Agric Econ Assoc*, www.aaea.org, 2000.
- Li, N., K. Foster, P. V. Preckel, A. P. Schinckel, and B. T. Richert. 2006. "Optimal Control of Desensitizing Inputs: The Case of Paylean," *Journal of Agricultural and Resource Economics*, 31(3):684.

Teaching Evaluations

Student Evaluations of Doctoral Level Courses Taught by Ken Foster

Course/Year	Instructor Rating (5 max.)	Course Rating (5 max.)
<u>AGEC 619 (Applied Econ)</u>		
Fall 1998	4.7	4.7
Fall 1999	4.4	4.4
Fall 2000	4.6	4.6
Fall 2001	3.8	3.8
Fall 2002	4.8	4.2
Fall 2003	4.7	4.2
Fall 2004	4.7	4.7
Fall 2005	4.4	4.3
Fall 2006	5.0	4.8
Fall 2007	4.5	4.7
Fall 2009	4.3	4.3

<u>AGEC 655 (Time Series)</u>		
Spring 1996	4.7	3.9
Spring 1998	4.0	3.8
Fall 1999	4.6	4.4
Fall 2002	4.5	4.1
Fall 2003	5.0	5.0
Fall 2006	4.8	4.5
Fall 2007	4.8	4.8

<u>AGEC 690F (Econ Dynamics)</u>		
Summer 1991	4.2	3.8
Summer 1993	4.3	4.0
Summer 1995	4.4	4.1

<u>AGEC 614 (Prod'n Econ)</u>		
Spring 1992	4.4	4.0
Spring 1993	4.4	4.4
Spring 1994	4.3	4.1
Spring 1995	4.3	3.7
Summer 1997	4.7	4.3

Student Evaluations of Undergraduate Level Courses Taught by Ken Foster

Course/Year	Instructor	Course
<u>AGEC 305 (Agricultural Prices)</u>		
Spring 2013	4.1	4.0
Spring 2014	4.2	3.8

Spring 2015	4.1	4.0
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AGEC 496 (Water in Developing Countries)

Fall 2012	TEAM
Spring 2013	“
Fall 2013	“
Spring 2014	“
Fall 2014	“
Spring 2015	“

Research Grants Received

a. Support from External Sources (Total Amount ~ \$6.25 million)

“Economic Analysis of TOBEC in a Pork Packing Plant,” \$13,951, National Pork Producers Council, 1991, with Akridge, Forrest, and Preckel.

“Impact of the Swine Industry on the Indiana Economy,” \$3,000, Indiana Pork Producers Association, 1992, with McNamara.

“Coordinated Dead Hog Disposal,” \$3,000, Indiana Pork Producers Association, 1992, with Clark, Jones, and Sutton.

“Positioning Your Pork Operation for the 21st Century,” \$27,000, Indiana Pork Producers Association, 1994, with Purdue Pork Team.

“Analysis of Phytase Adoption by Pork Producers,” \$5,000, Indiana Pork Producers Association, 1996, with Preckel and Boland.

“Management Systems and Economic Analysis of Alternative Segregated Early Weaning Systems,” \$18,000, National Pork Producers Council, 1996, with Clark, Jones, and Baker.

“Higher Education Partners for Development in Honduras,” \$4,000, USAID, 1998, with McNamara.

“Effect of Environmental Regulation on Swine Investment Location,” \$17,000, USDA-ERS, 1998.

“Drivers of Change in the U.S. Veal Industry,” \$29,500, American Veal Association, 1999.

“Accessing Technology and Markets: Cooperative Production and Marketing Strategies for Small-Scale Pork Farms,” \$100,000, USDA-RBCS, 1999, with Fulton.

“A Cooperative Partnership for Small and Medium-Sized Beef Producers in the Eastern Corn Belt,” \$2.7 million, USDA-IFAFS, 2000, with Lemanager and Five State Beef Initiative Team.

“Nutrition Management Schools for High Performance Swine Production in China,” \$299,124, USDA-FAS, 2000, with Harmon, Richert, Sammons, and Zhang.

“Production Convergence in Livestock Production: Implications for the Composition of World Trade,” \$25,000, USDA-NRI, 2000, with Hertel, Arndt, and Preckel.

“Diet Modification to Reduce Nutrient Excretion and Enhance Air Quality in Swine Operations,” \$1.26 million, USDA-IFAFS, 2001, with Sutton, Jones, Richert, and others.

“Production Convergence in Livestock Production: Implications for the Composition of World Trade,” \$90,000, USDA-NRI, 2002, with Hertel, Arndt, and Preckel.

“Estimating the Changing Market Conduct in the U.S. Pork Slaughter Industry” \$95,000, USDA-NRI, 2002.

“Carcass Disposal Task Force – Economics and Policy,” \$12,000, USDA-APHIS, with Doering and numerous others, 2002.

“Agricultural Innovation and Commercialization,” \$1,000,000, from USDA with Boehlje, Fulton, Gray and others, 2005.

“Certification of Pork Products and Production Protocols,” \$16,450, Indiana Pork Producers Council, 2003.

“Linking Kenyan Livestock Markets to Wildlife Conservation,” \$60,000 Globe Foundation with Lowenberg-DeBoer, Kenyon, Lake, and Marshall, 20006-08.

“Developing Storage and Feeding Methods to Utilize Bio-Fuel Co-Product in Small and Medium Sized Farms,” \$500,000, USDA-NRI (Agricultural Prosperity for Small and Medium Sized Farms with Buckmaster, Donkin, Lake, Lemenager, and Schutz, 2007-10.

“Community Scale Water Treatment System for Application in Developing Countries,” \$15,000, EPA-G2012-P3-Q4-Water with Blatchley, Applegate, and Simpson, 2012-13.

b. Support from Internal Sources (Total Amount = \$424,000)

“Economic Evaluation of Swine Production and Marketing Systems,” \$40,000, Crossroads, 1991.

“Estimating the Value of Swine Breeding Stock Attributes,” \$12,000, Purdue Agriculture Experiment Station, 1992.

“Alternative Grazing and Pasture Systems,” \$26,000, Mary S. Rice Farm Grant, 1994.

“Economic Impact of Indiana Manure Management Guidelines,” \$16,000, Purdue CES, 1998.

“Fellowship Support for Graduate Students,” ~330,000, Purdue University Graduate School, 2004-8.

University, School, and Professional Activities

Indiana Congressional District 5 Agricultural and Rural Issues Committee, 1995 to 2000.

Milk Marketing Scholarship Selection Committee, Purdue School of Agriculture, 1992.

Animal Science Scholarship Selection Committee, Department of Animal Science, Purdue University, 1992

State Animal Waste Management Committee, 1990 to 1997.

University Committee on Superior Students, Purdue University, 1991-94.

Committee for Animal Production and Welfare (CES State Plan), 1991.

Served on 11 Hatch Project Review Committees within the School of Agriculture.

Purdue Pork Team, Purdue School of Agriculture, 1994 to present (Co-Chair 2002 to present).

School of Agriculture Grade Appeals Committee, 1994 to 1996.

Moorman Manufacturing Scholars Selection Committee, 1994.

Oakley Ray Leader Selection Committee, 1994.

Agricultural Competitiveness Committee (CES State Plan), 1998.

Center for Food Animal Production and Well-being Steering Committee Purdue School of Agriculture, 1998.

CES Livestock Issues Committee, 1998-99.

Lt. Governor's Ag Crisis Taskforce, Chair of Contracting Subcommittee, 1999.

ICARD Contracts Advisory Council, 1999 to 2000.

Production Economics Preliminary Exam Committee on 12 occasions. Chairperson on 9 occasions)

Econometrics Preliminary Exam Committee, 1991.

Agricultural Economics Graduate Teaching Policy Committee, 1991 to present.

Department Outstanding M.S. Thesis Nominating Committee, 1991.

CSREES Review Committee for Production Economics, Farm Management, and Agricultural Finance, 1993.

Mentor for MARC/AIM Summer Research Program, 1995.

Department Outstanding PhD. Dissertation Nominating Committee, 1996.

Department of Agricultural Economics Graduate Committee, 1994-96.

Chairman of CSREES Review Committee on Production Economics, Farm Management, and Agricultural Finance 1998-99.

Chairman of the Preliminary Exams Committee, 1997 to 2002 and 2004.

Departmental Faculty Search and Selection Committees, 1993, 1998, 2003-04 (Chair of Committee).

Representative to College of Agriculture Graduate Council, 2003-08.

Representative to University Graduate Council, 2006-09.

American Agricultural Economics Association, Quality of Research Discovery Award Committee, 2005-07. (Chair of Committee in 2007 and 2008).

Western Agricultural Economics Association, Outstanding MS Thesis Award Committee Chairman, 2006.

Graduate Program Director, Department of Agricultural Economics, Purdue University, 2004-08. Administrative admission, research, funding, and personnel decisions for 120 student graduate program.

Representative to College of Agriculture Academic Leadership Council, 2008 to present.

Chair, National Association of Agricultural Economics Administrators Association, 2011-3.

External Review Team Member, Department of Agricultural Economics and Development, The Ohio State University, 2012.

University Task Force for Indirect Cost Distribution, Purdue University, 2011-4.

External Review Team Member, Department of Agricultural and Consumer Economics, University of Illinois, 2013.

Mentor for Two Junior Department Heads, Purdue University, 2010 - present.

Chair, Performance Review Team for Associate Dean and Director of International Programs in Agriculture, College of Agriculture, Purdue University, 2013.

Chair, Search Committee for Assistant Dean and Ag and Natural Resources Program Leader, College of Agriculture, Purdue University, 2014.

External Review Team Member, Department of Agricultural and Resource Economics, University of Arizona, 2014.

Representative to University Review Committee for Standard for Research Professor, 2014.

Chair, Search Committee for Head of the Department of Youth Development and Agricultural Education, Purdue University, 2014.