

## **Curriculum Vitae of Dr. Kenneth A. Foster**

Professor and Interim Head, Department of Agricultural Economics  
403 W. State Street  
Purdue University  
West Lafayette, IN 47907-2056 USA  
Ph: 765-494-1116  
FAX: 765-494-9176  
E-Mail: [kfoster@purdue.edu](mailto:kfoster@purdue.edu)

### **Education**

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

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

B.S., Agricultural Education, Purdue University, West Lafayette, IN, 1981

### **Professional Positions**

Interim Head of Department, Department of Agricultural Economics, Purdue University, 2008-  
Associate Head and Graduate Program Director, Department of Agricultural Economics, Purdue  
University 2003 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

### **Awards and Honors**

Teacher of the Year, Belize School of Agriculture, 1983

Dawson Fellowship in Agriculture, University of Georgia, 1984

Gamma Sigma Delta Honorary Society, 1986

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

American Agricultural Economics Association, Distinguished Extension Award, 1992  
Dean's Team Award, Purdue University School of Agriculture, 1996  
American Society of Animal Science, Innovation Award for Education, 1996  
National Pork Producers Council Swine, Innovation Award for Education, 1996  
American Agricultural Economics Association, Distinguished Extension Award, 1996  
American Society of Agricultural Engineers, Blue Ribbon Award for Extension Methods, 1997  
Certificate of Merit, Roque Barrientos, Outstanding M.S. Thesis, Department of Agricultural Economics, Purdue University, 2000, Advisor  
Certificate of Merit, Miguel Echarnier, Outstanding M.S. Thesis, Department of Agricultural Economics, Purdue University, 2004, Advisor  
Gamma Sigma Delta Faculty Award of Merit in Research, 2004.  
Gamma Sigma Delta Faculty Award of Merit in Outreach, 2004.  
Purdue University Acorn Award for Awards in excess of \$1million, 2005.  
Purdue University Cooperative Extension Service Association Team Award, 2006.  
Purdue University College of Agriculture Graduate Educator Award, 2006.  
Dean's Team Award, Purdue University College of Agriculture, 2007.  
PUCESA Team Award, Purdue University Cooperative Extension Service, 2007.

a. Journal Articles

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. Mwanauo, "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 Ultridian 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.

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b. 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.

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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 17<sup>th</sup> 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 17<sup>th</sup> 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.

c. 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.

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

Barnard, F., Boehlje, M., Atkinson, J., and Foster, K., "Financing Agriculture," in *Indiana Agriculture 2000: A Strategic Perspective*, EC-664 of the Purdue University Cooperative Extension Service, June 1992.

- Boehlje, M., Schrader, L., Foster, K., and Kadlec, J., "Structure and Coordination," in *Indiana Agriculture 2000: A Strategic Perspective*, EC-664 of the Purdue University Cooperative Extension Service, June 1992.
- Atkinson, J., Boehlje, M., Barnard, F., and Foster, K., "Financing Indiana Agriculture in the Year 2000: Driving Forces-- Users of Financial Resources," *Hoosier Banker*, July 1992.
- Foster, K. and Kadlec, J. "Overview of Wilbur and Rex Clements Farm" in the *Indiana and Ohio Farm Management Tour Guide Book*, July 1992.
- Hurt, C., Foster, K., Kadlec, J., and Patrick, G., "The Pork Industry: Looking Toward 2000," *Feedstuffs*, Volume 64, Number 35, August, 24 1992.
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- Foster, K. and Johnson, C., "An Economic Comparison of Contract Versus Independent Pork Production," *Purdue Swine Day Report*, Purdue University Cooperative Extension Service and Agricultural Experiment Station, West Lafayette, In., September 1992.
- Barnard, F., Boehlje, M., Atkinson, J., and Foster, K., "Financing Indiana Agriculture in the Year 2000: Driving Forces-- Financial Institutions," *Hoosier Banker*, September 1992.
- Atkinson, J., M. Boehlje, F. Barnard, and K. Foster, "Financing Agriculture in the Year 2000, Part I," *Journal of Agricultural Lending*, 6(1); 16-23, 1993.
- Barnard, F., M. Boehlje, J. Atkinson, and K. Foster, "Financing Agriculture in the Year 2000, Part II." *Journal of Agricultural Lending*, 6(2); 6-16, 1993.
- Johnson, C.S. and K. Foster, "Profitability of Selected Hog Production Contracts," *Illinois Swine Seminar 1993*, pp. 35-43, University of Illinois, Cooperative Extension Service, Urbana, IL. January 1993
- Foster, K., Dillon, W., Hendrix, K., Mayrose, V., and Neary, M., "Purdue University Livestock Budgets," ID-200 of the Purdue University Cooperative Extension Service, West Lafayette, In. 1993.
- Foster, K., "Overview of R&R Ward Farms, Inc.," in the *Indiana Farm Management Tour Guide Book*, June 1993.
- McNamara, K., Foster, K., and Hurt, C., "Economic Impacts of Indiana Beef Production," EC-684 of the Purdue Cooperative Extension Service, 1993.
- Boland, M., Foster, K., Patrick, G., Foster, J., and Orr, D., "Lowering Production Costs or Improving Productivity Performance: Can Pork Producers Do Both?" *Purdue Swine Day Report*, pp. 43-7, Purdue University Cooperative Extension Service and Agricultural Experiment Station, West Lafayette, In., September, 1993.
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- Foster, K., J-C. Klotz, L. Clark, D. Jones, and A. Sutton, "Estimated Costs of Alternative Dead Hog Disposal Methods," *Purdue Swine Day Report*, pp. 109-14, Purdue University Cooperative Extension Service and Agricultural Experiment Station, West Lafayette, In., September, 1993.
- Sutton, A., K. Foster, E. Underdown, and D. Jones, "The Environmental Impacts and Economics of the Collection, Storage, and Treatment of Swine Manure." in *Meeting the Environmental Challenge*, E. Dotson, ed. National Pork Producers Council, Des Moines, IA. November, 1993.
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- Boland, M., K. Foster, J. Akridge, J. Forrest, and P. Preckel, "Economic Analysis of Carcass Evaluation Using Electromagnetic Scanning in a Packing Plant and its Implications on Processing Product Mix." *National Pork Producers Council 1993 Research Investment Report*, pp. 305-9, National Pork Producers Council, Des Moines, IA, 1993.
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- Murphy, D., M. Estienne, C. Dobbins, and K. Foster, "Disposing of Swine Mortality." *Pork Industry Handbook*, PIH-133, 1995.
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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.
- Foster, K., "Pork Contracting Considerations." FF-31 of the Purdue University Cooperative Extension Service, West Lafayette, IN, 1999.
- 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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- Foster, K. and M. Boehlje, "Contracting in Pork Production – Past, Present, and Future." *Hoosier Banker*, pp. 14-7, June 2001.
- Maung, A. and K. Foster, "The Value of Waiting to Invest in a Cooperative Hog Slaughter Plant." *Purdue Agricultural Economics Report*, Purdue University, West Lafayette, IN, Sept. 2001.
- Gray, A., K. Foster, and M. Boehlje, "Implication of Banning Packer Ownership of Livestock." *Purdue Agricultural Economics Report*, Purdue University, West Lafayette, IN, March 2002.
- Foster, K., J. Fulton, A. Gray, E. Beetschen, and S. Martin, "Evaluating Cooperation Between Hog Producers and Pork Processors." *Purdue Agricultural Economics Report*, Purdue University, West Lafayette, IN, June 2002.
- Li, N., A. Schinckel, P. Preckel, K. Foster, and B. Richert, "Profitable Use of Ractopamine in Hog Production – Economic Evaluation Using a Pig Growth Model." *Purdue Swine Research Report*, Purdue University, West Lafayette, IN, 2002.
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- Schroeter, C. and K. Foster, "Impact of Health Information and Women in the Workforce on Aggregate Meat Demand," *Purdue Agricultural Economics Report*. Department of Agricultural Economics, Purdue University, West Lafayette, IN, August 2004.
- 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](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](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.

#### d. 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.
- Boland, M., E. Berg, K. Foster, J. Forrest, and J. Akridge, "Technology Transfer and Value Based Marketing of Pork: Packer Sorting Strategies Using Electromagnetic Scanning." *J of An Sci*, 71(supplement 1): 244, 1993.
- 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.

e. Journal Papers In Review

T. Nilsson, J. Lusk, and K. Foster, "Heterogeneity and Utility Specification in Discrete Choice Models," in revision for second submission to *Journal of Agricultural*.

D. Ubilava and K. Foster, "Quality Certification vs. Product Traceability: Consumers' Preferences for Informational Attributes of Pork in the Republic of Georgia," under second review at *Food Policy*.

D. Ubilava, K. Foster, J. Lusk, and T. Nilsson, "Effects of Income and Social Awareness on Consumer Willingness to Pay for Social Product Attributes," in review at *Technological Forecasting and Social Change*.

D. Ubilava, K. Foster, J. Lusk, and T. Nilsson, "Differences in Consumer Preferences When Facing Branded vs. Non-Branded Choices," in review at *Journal of Economic Psychology*.

Larsen, K. and K. Foster, "Technical Efficiency Among Organic and Conventional Farms in Sweden 2000-2002: A Counterfactual and Self-Selection Analysis," under review at *Agric Econ*.

## 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

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AGEC 655 (Time Series)

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

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AGEC 690F (Econ Dynamics)

Summer 1991	4.2	3.8
Summer 1993	4.3	4.0
Summer 1995	4.4	4.1

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AGEC 614 (Prod'n Econ)

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

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**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 21<sup>st</sup> 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.

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.