

FENGXIA DONG

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EDUCATION

Ph.D., Agricultural Economics, Kansas State University, Manhattan
*Outstanding Ph.D Dissertation Award, Department of Agricultural Economics,
Kansas State University.*
M.S., Information Economics, Jilin University, China
B.E., Information Management, Jilin University, China

RESEARCH INTERESTS

Dairy farming and marketing, Agricultural sustainability, and bioenergy economics.

PROFESSIONAL EXPERIENCE

Associate Scientist, January 2011-present, Department of Agricultural and Applied Economics,
University of Wisconsin-Madison
Associate Scientist, February 2004-January 2011, Center for Agricultural and Rural
Development (CARD), Iowa State University
International Dairy Analyst, February 2004-January 2011, Food and Agricultural Policy
Research Institute (FAPRI), Iowa State University
Post-doc Research Associate, June 2003-January 2004, Center for Agricultural and Rural
Development (CARD), Iowa State University
Graduate Teaching Assistant, January-May 2000, Department of Agricultural Economics,
Kansas State University
Graduate Research Assistant, August 1999-May 2003, Department of Agricultural Economics,
Kansas State University
Lecturer/Assistant Professor, May 1996-July 1999, College of Economics and Management,
Beijing Jiaotong University, China

PUBLICATIONS

- Dong, F.**, P. Mitchell, V. Davis, and R. Recker. *Forthcoming*. Impact of atrazine prohibition on the sustainability of weed management in Wisconsin maize production. *Pest Management Science*.
- Dong, F.**, D. Hennessy, H. Jensen, and R. Volpe. 2016. "Technical Efficiency, Herd Size and Exit Intentions in U.S. Dairy Farms." *Agricultural Economics* 47: 1-13.
- Dong, F.**, P. Mitchell, T. Hurley, and G. Frisvold. 2016. "Quantifying Adoption Intensity for Weed Resistance Management Practices and Its Determinants among U.S. Soybean, Corn, and Cotton Farmers." *Journal of Agricultural and Resource Economics* 41 (1): 42-61.
- Volpe, R., T. Park, **F. Dong**, and H. Jensen. 2016. "Somatic Cell Counts in Dairy Marketing: Quantile Regression for Count Data." *European Journal of Agricultural Economics* 43 (2): 331-358.
- Du, X., and **F. Dong**. 2016. "Responses to Market Information and the Impact on Price Volatility and Trading Volume: the Case of Class III Milk Futures." *Empirical Economics* 50 (2): 661-678.
- Dong, F.**, P. Mitchell, D. Knuteson, J. Wyman, A. Bussan, and S. Conley. 2015. "Assessing Sustainability and Improvements in U.S. Midwestern Soybean Production Systems Using a PCA-DEA Approach." *Renewable Agriculture and Food System*.

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- Dong, F.**, P. Mitchell, J. Colquhoun. 2015. "Measuring Farm Sustainability Using Data Envelope Analysis with Principal Components: The Case of Wisconsin Cranberry." *Journal of Environmental Management* 147 (1): 175-183.
- Silva, E., **F. Dong**, P. Mitchell, and J. Hendrickson. 2015. "Impact of Marketing Channels on Perceptions of Quality of Life and Profitability for Wisconsin's Organic Vegetable Farmers." *Renewable Agriculture and Food System* 30 (5): 428-438.
- Dong, F.**, D. Hennessy, and H. Jensen. 2012 "Factors Determining Milk Quality, and Implications for Production Structure Under SCC Standard Modification." *Journal of Dairy Science*, 95 (11): 6421-6435. *Highlighted article*.
- Dong, F.**, J. Lu, and A. Featherstone. 2012. "Effects of Credit Constraints on Household Productivity in Rural China." *Agricultural Finance Review*, 72(3): 402-415.
- Dumortier, J., D. Hayes, M. Carriquiry, **F. Dong**, X. Du, A. Elobeid, J. Fabiosa, P. Martin and K. Mulik. 2012. "The effects of potential changes in United States beef production on global grazing systems and greenhouse gas emissions." *Environmental Research Letters* 7(2).
- Huang, J., Y. Wu, Z. Yang, S. Rozelle, J. Fabiosa, and **F. Dong**. 2012. "Marketing China's milk: A case study of the sales activity of dairy farmers in greater Beijing." *China Economic Review*, 23(3) (2012): 675-689.
- Dumortier, J., D. Hayes, M. Carriquiry, **F. Dong**, X. Du, A. Elobeid, J. Fabiosa, and S. Tokgoz. 2011. "Sensitivity of Carbon Emission Estimates from Indirect Land-Use Change." *Applied Economic Perspectives and Policy*, 33(3): 428-448.
- Du, X., **F. Dong**, D. Hayes, and T. Brown. 2011. "Assessment of Environmental Impacts Embodied in U.S.-China and U.S.-India Trade and Related Climate Change Policies." *American Journal of Agricultural Economics*, 93(2): 537-544.
- Fabiosa, J. F., J. C. Beghin, **F. Dong**, A. Elobeid, S. Tokgoz, and T. Yu. 2010. "Land Allocation Effects of the Global Ethanol Surge: Predictions from the International FAPRI Model". *Land Economics*, 86(4): 687-706.
- Dong, F.**, D. Hennessy, and H. Jensen. 2010. Contract and Exit Decisions in Finisher Hog Production. *American Journal of Agricultural Economics*, 92 (3): 667-684.
- Hennessy, D. and **F. Dong**. 2010. "The Political Economy of Food Safety in Asia, and Implications for the United States." *Harvard Asian Pacific Review*, Spring: 16-19.
- Huang, J., Y. Wu, Z. Yang, S. Rozelle, J. Fabiosa and **F. Dong**. 2010. "Farmer Participation, Processing and the Rise of Dairy Production in Greater Beijing, P. R. China." *Canadian Journal of Agricultural Economics*, 58(3): 321-342.
- Dumortier, J., D. Hayes, M. Carriquiry, **F. Dong**, X. Du, A. Elobeid, J. Fabiosa, K. Mulik. 2010. "Modeling the Effects of Pasture Expansion and Yield Increase on Emissions from Land-Use Change." Proceedings Issues: Climate Change in World Agriculture: Mitigation, Adaptation, Trade and Food Security, June 2010. Stuttgart-Hohenheim, Germany 9594, International Agricultural Trade Research Consortium.
- Dong, F.** and F. Fuller. 2010. "Dietary Structural Change in China's Cities: Empirical Fact or Urban Legend?" *Canadian Journal of Agricultural Economics*, vol. 58 (1): 73-91.
- Hayes, Dermot J., B. Babcock, J. Fabiosa, S. Tokgoz, A. Elobeid, T. Yu, **F. Dong**, C. Hart, W. Thompson, S. Meyer, E. Chavez, S. Pan. 2009. "Biofuels: Potential Production Capacity, Effects on Grain and Livestock Sectors, and Implications for Food Prices and Consumers," *Journal of Agriculture and Applied Economics*, vol. 41(2): 465-491.

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- Tokgoz, S., A. Elobeid, J. Fabiosa, D. Hayes, B. Babcock, T. Yu, **F. Dong**, and C. Hart. 2008. "Bottlenecks, Drought, and Oil Price Spikes: Impact on U.S. Ethanol and Agricultural Sectors", *Review of Agricultural Economics*, vol. 30(4): 604-622.
- Searchinger, T., R. Heimlich, R. Houghton, **F. Dong**, A. Elobeid, J. Fabiosa, S. Tokgoz, D. Hayes, T. Yu. 2008. "Use of U.S. Croplands for Biofuels Increases Greenhouse Gases Through Emissions from Land-Use Change", *Science*, 319: 1238-1240.
- Dong, F.** and H. Jensen. 2007. "The Challenge of Conforming to Sanitary and Phytosanitary Measures for China's Agricultural Exports." *Choices*, 22(1): 19-24.
- Fabiosa, J., J. Beghin, **F. Dong**, A. Elobeid, F. Fuller, H. Matthey, S. Tokgöz, and E. Wailes. 2007. "The Impact of the European Enlargement and CAP Reforms on Agricultural Markets. Much Ado about Nothing?" *Journal of International Agricultural Trade and Development*, 3(1): 57-69.
- Dong, F.** 2006. "The Outlook for Asian Dairy Markets: The Role of Demographics, Income, and Prices." *Food Policy*, 31 (3): 260-271.
- Dong, F.** and A. Featherstone. 2006. "Technical and Scale Efficiencies for Chinese Rural Credit Cooperatives: A Bootstrapping Approach in Data Envelopment Analysis." *Journal of Chinese Economic and Business Studies*, 4 (1): 57-75.
- Dong, F.**, T. Marsh, and K. Stiegert. 2006. "State Trading Enterprises in a Differentiated Product Environment: The Case of Global Malting Barley Markets." *American Journal of Agricultural Economics*, 88 (1): 90-103.

BOOK and BOOK CHAPTERS

- Fabiosa, J. F., J. C. Beghin, **F. Dong**, A. Elobeid, S. Tokgoz, and T. Yu, "The Global Bioenergy Expansion: How Large Are the Food-Fuel Trade-offs?" In *The Handbook of Bioenergy Economics and Policy*, edited by Madhu Khanna, Jurgen Scheffran, and David Zilberman, 2009.
- Dong, F.** and H. Jensen "Sanitation and Hygiene Deficiencies as Contributing Factors for Contamination of Imported Foods." In *Imported Foods: Microbiological Issues and Challenges*, edited by M. Doyle and M. Erickson, ASM Press, Washington, DC, 2008.
- Dong, F.** with FAPRI Staff. *FAPRI U.S. and World Agricultural Outlook*. Ames, Iowa. ISSN 1534-4533. Issues from 2004 to 2010.
- Dong, F.** with FAPRI Staff. "Factors Affecting World Agriculture". In *PERSPECTIVES IN WORLD FOOD AND AGRICULTURE, VOLUME 2*, edited by J. Miranowski and C. Scanes. Blackwell Publishing Professional, 2005.
- Dong, F.** *Techniques of Corporate Finance*. China Material Press, Beijing, China, October 1998.
- Dong, F.** "Short Term Investment", in *Enterprise Financial Management*, edited by Z. Zhu. China Railway Press, Beijing, China, July 1997.
- Dong, F.** "Management of Operation Capital", in *Enterprise Financial Management*, edited by Z. Zhu. China Railway Press, Beijing, China, July 1997.

WORKING PAPERS AND PRESENTATIONS

- Dong, F.**, and P. Mitchell. "Impact of Huanglongbing on Perennial Citrus Tree Plantings and Removals and Welfare Implications." Poster, presented at American Agricultural Economics Association Annual Meeting, Boston, MA, August 2016.

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- Dong, F.**, and P. Mitchell. “Endogenizing Sustainability in U.S. Corn Production: A Cost Function Analysis.” Selected Poster, presented at American Agricultural Economics Association Annual Meeting, Seattle, WA, July 2015.
- Knuteson, D., S. Conley, P. Mitchell, **F. Dong**. Illinois/Wisconsin Soybean Sustainability Survey Results. Department of Agronomy, University of Wisconsin, Madison, WI, 2014. Available at http://www.coolbean.info/pdf/soybean_research/national_sustainability_initiative/SoybeanSurveyResults_2013_FINAL.pdf
- Du, X. and **F. Dong**. “Heterogeneous Responses to Market Information and The Impact on Price Volatility and Trading Volume: The Case of Class III Milk Futures.” Selected Paper, presented at American Agricultural Economics Association Annual Meeting, Minneapolis, MN, July 2014.
- Dong, F.**, P. Mitchell, V. Davis, and R. Recker. “Impact of Atrazine on the Sustainability of Weed Management in Wisconsin Corn Production.” Selected Paper, presented at American Agricultural Economics Association Annual Meeting, Washington D.C., August 2013.
- Dong, F.**, and P. Mitchell. “The leadership of Wisconsin growers on ag sustainability metrics.” Presented at Central WI Processing Crops Meeting, Plover WI, March 2013.
- Dong, F.**, Mitchell, P.D., Knuteson, D., Wyman, J., Bussan, A.J., Conley, S. Whole-farm (cash grain) and soybean specific sustainability assessment. Department of Agricultural and Applied Economics, University of Wisconsin, Madison, WI, 2012. Available at <http://www.aae.wisc.edu/pdmitchell/RAFS/SoybeanAssessment.pdf>
- Dobson, W., **F. Dong**, and E. Jesse. The Dairy Sector of China: A Country Study. Babcock Institute Discussion paper No. 2011-2.
- Dong, F.**, and H. Jensen. “Measuring Food Safety Control in U.S. Hog Farms Using a Composite Indicator.” Selected Paper, presented at American Agricultural Economics Association Annual Meeting, Pittsburg, PA, July 2011.
- Dong, F.**, X. Du, and B. Gould. “Class III Milk Price Volatility and Its Determinants.” Selected Paper, presented at American Agricultural Economics Association Annual Meeting, Pittsburg, PA, July 2011.
- Dong, F.**, J. Lu, and A. Featherstone. “Effects of Credit Constraint on Productivity and Rural Household Income in China.” Selected Paper, presented at American Agricultural Economics Association Annual Meeting, Denver, Colorado, July 2010.
- Du, X., **F. Dong**, D. Hayes, and T. Brown. “Assessment of Environmental Impacts Embodied in Trade and Related Climate Change Policies: The Case of the United States and China.” Invited Paper, Annual Meeting, American Agricultural Economics Association, Denver, Colorado, July 2010.
- Dong, F.**, J. Lu, and X. Du. “A Regional Decomposition Analysis of CO₂ Emissions and Their Evolutions in China.” Poster. American Agricultural Economics Association Annual Meeting, Denver, Colorado, July 2010.
- Dong, F.**, D. Hennessy, H. Jensen, and T. Park. “Quality Dispersion among Organic Milk Channels.” Poster, American Agricultural Economics Association Annual Meeting, Denver, Colorado, July 2010.
- Dumortier, J., D. Hayes, M. Carriquiry, **F. Dong**, X. Du, A. Elobeid, J. Fabiosa, K. Mulik. “Modeling the Effects of Pasture Expansion and Yield Increase on Emissions from Land-Use Change.” CARD Working Paper 10-WP 504, February 2010.

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- Dumortier, J., D. Hayes, M. Carriquiry, **F. Dong**, X. Du, A. Elobeid, J. Fabiosa, S. Tokgoz. "Sensitivity of Carbon Emission Estimates from Indirect Land-Use Change." CARD Working Paper 09-WP 493, July 2009.
- Dong, F.**, D. Hennessy, and H. Jensen. "Contract and Exit Decisions in Finisher Hog Production." Selected Paper. Presented at American Agricultural Economics Association Annual Meeting, Milwaukee, Wisconsin, July 2009.
- Huang, J., Y. Wu, Z. Yang, S. Rozelle, J. Fabiosa, and **F. Dong**. "Farmer Participation, the Dairy Industry, and the Rise of Dairy Production in China." CARD Working Paper 08-WP 476, August 2008.
- Dong, F.** and H. Jensen. "New Evidence on Overweight Children in Urban China and the Role of Socioeconomic Factors." Selected Paper. Presented at American Agricultural Economics Association Annual Meeting, Orlando, Florida, July 2008.
- Dong, F.**, D. Hennessy, and H. Jensen. "Contract and Exit Decisions in Finisher Hog Production." CARD Working Paper 08-WP 469, July 2008.
- Fabiosa, J., J. Beghin, **F. Dong**, A. Elobeid, S. Tokgoz, and T. Yu. "Land Allocation Effects of the Global Ethanol Surge: Predictions from the International FAPRI Model." Department of Economics Working Paper #08005, Iowa State University, March 2008.
- Dong, F.** with FAPRI Staff. "Analyzing the Long-Run Impact of Ethanol Expansion on U.S. Crop, Livestock, and Dairy Markets." Proceedings Paper, Southwest Nutrition and Management Conference, Tempe, Arizona, 2008.
- J. Fabiosa, D. Hayes, **F. Dong**. "Impact of the South Korea-U.S. Free Trade Agreement on the U.S. Livestock Sector." CARD Working Paper 07-WP 455, November 2007.
- Dong, F.** "Food Security and Biofuels Development: The Case of China." CARD Working Paper 07-BP 52, October 2007.
- Dong, F.** with FAPRI Staff. "Long-Term and Global Tradeoffs between Bio-Energy, Feed, and Food". Selected Paper, presented at American Agricultural Economics Association Annual Meeting, Portland, Oregon, July 2007.
- Dong, F.** with FAPRI Staff. "Land Allocation Effects of the Global Ethanol Surge: Predictions from the international FAPRI Model." Presentation at the "Modelling Global Land Use and Social Implications in the Sustainability Assessment of Biofuels." OECD Conference. June 4-5, 2007, Danish Society of Engineers Copenhagen, Denmark.
- Dong, F.** with FAPRI Staff. "Emerging Biofuels: Outlook of Effects on U.S. Grain, Oilseed, and Livestock Markets." CARD Staff Report 07-SR 101. May 2007.
- Dong, F.** with FAPRI Staff. "Global Impacts of the Biofuel Emergence on Food Markets." Presentation at the "Biofuels, Food and Feed Tradeoffs." Farm Foundation Conference. April 12-13, 2007, St. Louis, Missouri.
- Dong, F.** and F. Fuller. "Changing Diets in China's Cities: Empirical Fact or Urban Legend?" CARD Working Paper 06-WP437, November 2006.
- Dong, F.** and H. Jensen. "Effects of Food Safety Information on Meat Demand: A Comparison of the United States and Canada" Selected Paper, presented at American Agricultural Economics Association Annual Meeting, Long Beach, California, July 2006.
- Dong, F.** with FAPRI Staff. "U.S. Proposal for WTO Agriculture Negotiations: Its Impact on U.S. and World Agriculture." CARD Working Paper 05-WP417, December 2005.
- Dong, F.** with FAPRI Staff. "The Impact of the European Enlargement and CAP Reforms on Agricultural Markets: Much Ado about Nothing?" Selected Poster, 26th Conference of the

International Association of Agricultural Economists, Queensland, Australia, August 12-18, 2006.

Dong, F. with FAPRI Staff. “The Impact of the European Enlargement and CAP Reforms on Agricultural Markets: Much Ado about Nothing?” Selected Paper, Annual Meeting, Australian Agricultural and Resource Economics Society, Manly, Sydney, Australia, February 8-10, 2006.

Dong, F. “The Outlook for Asian Dairy Markets: The Role of Demographics, Income, and Prices.” CARD Working Paper 05-WP 399, June 2005.

Dong, F. with FAPRI Staff. “The Impact of the European Enlargement and Common Agricultural Policy Reforms on Agricultural Markets: Much Ado about Nothing?” CARD Working Paper 05-WP 382, February 2005.

Dong, F., T. Marsh and K. Stiegert. “State Trading and Market Power in International Malting Barley Markets,” Working Paper Series FSWP2005-01, Food System Research Group, University of Wisconsin-Madison, January 2005.

Dong, F. and F. Fuller. “Testing for Separability and Structural Change in Urban Chinese Food Demand.” Selected Paper, presented at American Agricultural Economics Association Annual Meeting, Denver, Colorado, August 2004.

Dong, F. and A. Featherstone. “Technical and Scale Efficiencies for Chinese Rural Credit Cooperatives: A Bootstrapping Approach in Data Envelopment Analysis.” CARD Working Paper 04-WP 366, July 2004.

Dong, F. and H. Jensen. “The Challenge of Conforming to Sanitary and Phytosanitary Measures for China’s Agricultural Exports.” MATRIC Working Paper 04-MWP 8, March 2004.

Dong, F., T. Marsh and K. Stiegert. “State Trading Enterprises in a Differentiated Environment: The Case of Global Malting Barley Markets.” CARD Working Paper 03-WP 350, December 2003.

Dong, F. and K. Stiegert. “The Welfare Effects of State Trading Enterprises: the Case of U.S.-Canada Malting Barley Trade,” Selected Paper, presented at Western Agricultural Economics Association Annual Meeting, Denver, Colorado, July 2003.

Dong, F., T. Marsh and K. Stiegert. “State Trading and Market Power in International Malting Barley Markets,” Invited Paper, First Biennial Conference of the Food System Research Group, University of Wisconsin-Madison, June 2003.

Dong, F. and A. Featherstone. “Scale Economies and Efficiencies for Chinese Rural Credit Cooperatives,” Selected Paper, presented at Southern Agricultural Economics Association Annual Meeting, Mobile, Alabama, February 2003.

Dong, F., T. Marsh, and K. Stiegert. “Imperfect Substitutes, Deferred Producer Payment System, and State Trading Enterprises: An Empirical Test of Leadership in the Global Malting Barley Markets,” Selected Paper, presented at American Agricultural Economics Association/Western Agricultural Economics Association Annual Meeting, Long Beach, California, July 2002.

Dong, F. and Kyle Stiegert. “Imperfect Substitutes, Deferred Producer Payment System, and State Trading Enterprises: An Empirical Test of Leadership in the Global Malting Barley Markets,” Selected Paper, The 5th INRA-IDEI Conference, Toulouse, France, June 2002.

Dong, F. and K. Stiegert. “Evaluating the Behavior of State Trading Enterprises in a Product Differentiated Environment,” Selected Paper, presented at Southern Agricultural Economics Association Annual Meeting, Orlando, Florida, February 2002.

Teaching

AAE 215 Introduction to Agricultural and Applied Economics, Spring 2017, University of Wisconsin-Madison

AAE 320 Farming System Management, Fall 2013, University of Wisconsin-Madison

Financial Management, Undergraduate, Fall, 1996-1998, Beijing Jiaotong University

Corporate Finance, Undergraduate, Spring, 1996-1999, Beijing Jiaotong University

Managerial Accounting, Undergraduate, Spring, 1996-1999, Beijing Jiaotong University

Advising

Yutaka Shibuy. 2013. Panel Data Analysis of international rice, beef and pork trade. MS thesis committee member.

Philip Slater. 2014. Undergraduate. Internship Faculty Advisor.

Molly Walker. 2015. Undergraduate. Internship Faculty Advisor.

Grants

Incentives and Structure in Determining Milk Quality and Safety Attributes. USDA Economic Research Service, Cooperative Agreement. 2009-2011. Co-PI with H. Jensen (PI) and D. Hennessy (co-PI).

Carbon Embodiment in US-Canada Trade and Related Policies Analysis. Embassy of Canada, Faculty Research Grant, 2010-2011. Co-PI with X. Du (PI).

PROFESSIONAL ACTIVITIES

- Referee,
 - Agricultural Economics
 - American Journal of Agricultural Economics
 - Applied Economic Prospective and Policy
 - Bioproducts & Biorefining
 - Canadian Journal of Development Studies
 - China Economic Review
 - Environment, Development and Sustainability
 - European Review of Agricultural Economics
 - Food Policy
 - International Economic Review
 - Journal of Agricultural Economics
 - Journal of Agricultural and Applied Economics
 - Journal of Agricultural and Resource Economics
 - Review of Agricultural Economics
 - World Economy
- Reviewer, American Agricultural Economics Association Annual Meeting Selected Papers,
- Reviewer, Conference of the International Association of Agricultural Economists Poster Papers.
- Reviewer, Symposium Best Paper, International Food and Agribusiness Management Association.
- Member, American Agricultural Economics Association (AAEA)
