

# Wyatt Thompson

## **Professional experience**

### **Department of Agricultural and Applied Economics and the Food and Agricultural Policy Research Institute, University of Missouri at Columbia**

*Assistant professor, October 2006- July 2012; Associate Professor August 2012-present*

Research the effects of agricultural and biofuel policies on markets and investigate new links between agriculture and energy markets. Assess current policy options regarding price surges, climate change, and trade policy. Report research to academic audiences and to decision makers, typically at the federal level. Teach agricultural economics to undergraduate students and advise graduate students.

### **Organization for Economic Cooperation and Development, Paris, France**

The OECD is an international organization that promotes good policy design. Work is guided and judged by committees comprised of representatives from member countries, as well as by peers. OECD economic research addresses current policy debates to provide decision makers with necessary information.

*Senior Economist, October 2005-October 2006*

Develop a special review of Mexico's agricultural policy as project manager and a lead author. I participated in the ultimate release of the report through a press conference with the Minister responsible for agricultural policy, summarized for agricultural committees of both chambers of representatives, and presented to interest groups. Estimate monetary transfers caused by agricultural policy, including Producer Support Estimates (PSE). Take a central role in drafting flagship publication to monitor agricultural policies.

*Economist, February 1999-September 2005*

Estimate market effects of agricultural policies. Participate in and help to coordinate annual outlook report by supervising and conducting analysis, drafting text, interacting with committees, and revising data and text. Key outputs included (1) export credit analysis that I presented to negotiators including at the World Trade Organization, (2) export subsidy report, (3) food security research that previewed the potential negative consequences of higher prices, and (4) agricultural outlooks about market conditions and events.

**Japan Society for the Promotion of Science Fellow, Policy Research Institute of the Ministry of Agriculture, Forestry, and Fisheries, Tokyo, Japan**

*July 2002-December 2003*

My research during 18 months as a research fellow in the economic research center of Japan's Ministry of Agriculture, Forestry, and Fisheries generated journal articles, including one that improves on the common implementation of demand systems in applied analysis. I improved collaboration between the OECD and PRIMAFF in part by revising the OECD model of Japan's agricultural commodity markets and policies in collaboration with PRIMAFF colleagues. I pioneered stochastic simulation methods of the OECD's economic model representing agricultural markets to analyze policy with varying market conditions.

**Research Associate, Food and Agricultural Policy Research Institute, University of Missouri at Columbia**

*August 1992-January 1999*

Analyze agricultural policies and markets, specializing in Japanese livestock and rice, United States dairy and eggs, and European Union livestock.

**Education**

**Ph.D. in Agricultural Economics from the University of Missouri at Columbia**

Awarded 1998, Columbia, Missouri.

Dissertation: "An Econometric Model of Japanese Meat Markets."

**M.A. and B.A. (dual degree) in Economics from Washington University**

Awarded 1992, St. Louis, Missouri.

## **Publications**

### **Refereed articles**

- Chen, Danhong, David Abler, De Zhou, Xiaohua Yu, and Wyatt Thompson. "A Meta-Analysis of Food Demand Elasticities for China." *Applied Economic Perspectives and Policy*. Forthcoming.
- Aguilar, Francisco, Phillip Mohebalian, Zhen Cai, and Wyatt Thompson. "Exploring the Drivers' side of the "Blend Wall": U.S. Consumer Preferences for Ethanol Blend Fuels." *Energy Economics*. Forthcoming.
- Egbendewe-Mondzozo, Aklesso, Scott M. Swinton, Shujiang Kung, Mac W. Post, Julian C. Binfield, and Wyatt Thompson. "Bioenergy Supply and Environmental Impacts on Cropland: Insights from Multi-market Forecasts in a Great Lakes Subregional Bioeconomic Model." *Applied Economic Perspectives and Policy*. Published online (<http://aep.oxfordjournals.org/cgi/reprint/ppu044?ijkey=2MyDizGgSszWNL&keytype=ref>) on January 3, 2015.
- Whistance, Jarrett, and Wyatt Thompson. "A Critical Assessment of RIN Price Behavior and the Implications for Corn, Ethanol, and Gasoline Price Relationships." *Applied Economic Perspectives and Policy* 36(4): 623-642. December, 2014.
- Whistance, Jarrett, and Wyatt Thompson. "The Role of CAFE Standards and Alternative-Fuel Vehicle Production Credits in U.S. Biofuels Markets." *Energy Policy* 74: 147–157. November, 2014.
- Gerlt, Scott, Wyatt Thompson, and Doug Miller. "Exploiting the Relationship between Farm-Level Yields and County-Level Yield for Applied Analysis." *Journal of Agricultural and Resource Economics* 39(2): 1-18. August, 2014.
- Thompson, Wyatt, and Seth Meyer. "Second Generation Biofuels and Food Crops: Co-Products or Competitors?" *Global Food Security* 2: 89-96. 2013.
- Meyer, Seth, Julian Binfield, and Wyatt Thompson. "The Role of Biofuel Policy and Biotechnology in the Development of the Ethanol Industry in the United States." *AgBioForum* 16(1), 66-78. 2013.
- Meyer, Seth, and Wyatt Thompson. "How Do Biofuel Use Mandates Cause Uncertainty? United States Environmental Protection Agency Cellulosic Waiver Options." *Applied Economic Perspectives and Policy* 34(4): 570-586. 2012.
- Thompson, Wyatt, Holger Matthey, and Gregoire Tallard. "The Costs and Consequences of Multi-lateral Policies Against Price Spikes." *Eurochoices* 11(1): 10-18. April, 2012.
- Thompson, Wyatt, Jarrett Whistance, and Seth Meyer. "Effects of US Biofuel Policies on US and World Petroleum Product Markets with Consequences for Greenhouse Gas Emissions." *Energy Policy* 39 (9): 5509–5518. 2011.

- Meyer, Seth, and Wyatt Thompson. "Another Thing We Need Know about Biofuel Use Mandates: Waivers." *Choices* 26(2). Available at [www.choicesmagazine.org/choices-magazine/submitted-articles/epa-mandate-waivers-create-new-uncertainties-in-biodiesel-markets](http://www.choicesmagazine.org/choices-magazine/submitted-articles/epa-mandate-waivers-create-new-uncertainties-in-biodiesel-markets). 2011.
- Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "The New Markets for Renewable Identification Numbers." *Applied Economic Perspectives and Policy* 32(4): 588-603. 2010.
- Thompson, Wyatt, Seth Meyer, and Travis Green. "The U.S. Biodiesel Use Mandate and Biodiesel Feedstock Markets." *Biomass and Bioenergy* 34 (6): 883-889. 2010.
- Thompson, Wyatt, Pierre Charlebois, and Gregoire Tallard. "Trades like Chicken? Three Representations of Chicken Trade for Policy and Market Analysis" *Journal of International Agricultural Trade and Development* 6 (2): 159-174. 2010.
- Whistance, Jarrett, and Wyatt Thompson. "How Does Increased Corn-Ethanol Production Affect US Natural Gas Prices?" *Energy Policy* 38 (5): 2315-2325. 2010.
- Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "How Does Petroleum Price and Corn Yield Volatility Affect Ethanol Markets with and without an Ethanol Use Mandate?" *Energy Policy* 37 (2): 745-749. February, 2009.
- Thompson, Wyatt, Seth Meyer, Nicholas Kalaitzandonakes, and James Kaufman. "Ethanol Policy Changes to Ease Pressures in Corn Markets: Could They Work?" *Choices* 24 (1): 40-45. 2009.
- Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "Renewable Identification Numbers Are the Tracking Instrument and Bellwether of US Biofuel Mandates." *Eurochoices* 8 (3): 43-50. 2009.
- Thompson, Wyatt, and Seth Meyer. "Simulated Ethanol Transportation Patterns and Costs." *Journal of the Transportation Research Forum* 48 (1): 23-38. Spring, 2009.
- Dewbre, Joe, Celine Giner, Wyatt Thompson, and Martin Von Lampe. "High Food Commodity Prices: Will They Stay? Who Will Pay?" *Agricultural Economics* 39: 393-403. 2008.
- Thompson, Wyatt. "Inconsistent Objectives of Agricultural Export Credit Disciplines." *The Estey Centre Journal of International Law and Trade Policy* 8 (1): 69-82. 2007.
- Kruse, John, Pat Westhoff, Seth Meyer, and Wyatt Thompson. "Economic Impacts of Not Extending Biofuel Subsidies." *AgBioForum* 10(2): 94-103. 2007.
- Westhoff, Pat, Wyatt Thompson, John Kruse, and Seth Meyer. "Ethanol Transforms Agricultural Markets in the USA." *Eurochoices* 6 (1): 14-21. 2007.
- This article was chosen for the tenth anniversary issue "featuring thirteen key articles published in EuroChoices over the past ten years" ([onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1746-692X/homepage/tenth\\_anniversary\\_virtual\\_issue.htm](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1746-692X/homepage/tenth_anniversary_virtual_issue.htm)).*

Thompson, Wyatt. "Using Elasticities from an Almost Ideal Demand System? Watch Out for Group Expenditure!" *American Journal of Agricultural Economics* 86(4): 1108-1116. November, 2004.

Thompson, Wyatt, and Gregoire Tallard. "Parlons Graphique: Consumption versus Demand – Recovery after BSE?" *Eurochoices* 2 (1): 24-25. Spring, 2003.

Thompson, Wyatt. "Export Credits: Do They Affect Agricultural Commodity Markets?" *Eurochoices* 1 (2): 36-41. Summer, 2002.

Thompson, Wyatt, and Mitsuo Suzuki. "The Development of Japanese Livestock and Livestock Product Models and Impact Analysis." *Hokkaido Journal of Agricultural Economics* 8 (1): 21-40. September, 1999.

### **Principal papers published in refereed journals**

Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "What to Conclude about Biofuel Mandates from Evolving Prices for Renewable Identification Numbers?" *American Journal of Agricultural Economics* 93(2): 481-487. 2011.

Whistance, Jarrett, Wyatt Thompson, and Seth Meyer. "Ethanol Policy Effects on US Natural Gas Prices and Quantities." *American Economic Review*. 100 (2): 178–182. 2010.

Thompson, Wyatt, Ashok K. Mishra, and Joe Dewbre. "Farm Household Income and Transfer Efficiency: An Evaluation of U.S. Farm Program Payments." *American Journal of Agricultural Economics* 91(5):1296-1301. 2009.

Dewbre, Joe, Wyatt Thompson, and Joshua Dewbre. "Consistency or Conflict in OECD Agricultural Trade and Aid Policies." *American Journal of Agricultural Economics* 89 (5): 1161–1167. 2007.

Dewbre, Joe, Jesus Anton, and Wyatt Thompson. "Direct Payments, Safety Nets and Supply Response: The Transfer Efficiency and Trade Effects of Direct Payments." *American Journal of Agricultural Economics* 83 (5): 1204-1214. December, 2001.

### **Articles in special issues of peer-reviewed journals**

Thompson, Wyatt. "Biofuel Effects on Markets and Indirect Effects on Land Use and Food." *Journal of International Agricultural Trade and Development* 6 (1): 117-132. 2010.

Thompson, Wyatt, Pete Liapis, and Paolo Sckokai. "Alternative Trade Mechanisms in World Dairy Markets." *Canadian Journal of Agricultural Economics* 47 (5): 157-166. 1999.

### **Book chapters and proceedings**

Thompson, Wyatt, Kalaitzandonakes, Nicholas, James Kaufman, and Seth Meyer. "New Uncertainties in Land Use Changes Caused by the Production of Biofuels." In Alberto Pinto and David Zilberman (ed.), *Modelling, Optimization, and Bioenergy*. 2014.

- Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "U.S. Biofuel Policy Effects on Agricultural Commodity Exports." In Andrew Schmitz, Charles Moss, Troy Schmitz, Hartley Furtan, and Carole Schmitz (ed.), *Agricultural Policy, Agribusiness, and Rent-Seeking Behaviour*, Second Edition (University of Toronto Press), 2010.
- Meyer, Seth, and Wyatt Thompson. "Demand Behavior and Commodity Price Volatility under Evolving Biofuel Markets and Policies." In Madhu Khanna, Jürgen Scheffran, and David Zilberman (ed.), *Handbook of Bioenergy Economics and Policy*, 133-150. Springer. 2010.
- Donahue, D.J., Seth Meyer, and Wyatt Thompson. "RIN Risks: Using Supply and Demand Behavior to Assess Risk in the Markets for Renewable Identification Numbers used for Renewable Fuel Standard Compliance." Proceedings of the NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management. St. Louis, Missouri, April 19-20, 2010.
- Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "Potential for Uncertainty about Indirect Effects of Ethanol on Land Use in the Case of Brazil." In Madhu Khanna (ed.), *Transition to a Bioeconomy: Environmental and Rural Development Impacts*. Proceedings of Farm Foundation and USDA Conference, St. Louis, Missouri, October 15-16 2008, Farm Foundation, Oak Brook, Illinois. 2009.
- Kalaitzandonakes, Nicholas, James Kaufman, Seth Meyer, Wyatt Thompson. "The Impact of Biotech Corn Traits on Ethanol Production." In Madhu Khanna (ed.), *Transition to a Bioeconomy: Environmental and Rural Development Impacts*, Proceedings of Farm Foundation and USDA Conference, St. Louis, Missouri, October 15-16, 2008, Farm Foundation, Oak Brook, Illinois. 2009.
- Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "Policy Risk for the Biofuels Industry." In Burton English (ed.), *Risk, Infrastructure and Industry Evolution*, Proceedings of Farm Foundation and USDA Conference, Berkeley, California, June 24-25 2008, Farm Foundation, Oak Brook, Illinois. 2009.
- Kalaitzandonakes, Nicholas, James Kaufman, Seth Meyer, and Wyatt Thompson. "Technologies for Biofuel Production and Relevant Impacts." Invited paper for conference on "Economics of Ethanol: Costs, Benefits and Future Prospects of Biofuels." *Regional Economic Development*, Federal Reserve Bank of St. Louis 5(1):103-114. 2009.
- Thompson, Wyatt, Garry Smith, and Armelle Elasri. "The Medium-Term Impacts of Trade Liberalization in OECD Countries on the Food Security of Non-Member Economies." In John Nash and Alex McCalla (ed.), *Reforming Agricultural Trade for Developing Countries*. World Bank. November, 2006.
- OECD. Part II and Part III in *Agriculture and Trade Liberalisation: Extending the Uruguay Round Agreement*. Paris, France. 2002.

## Reports

- Whistance, Jarrett, Wyatt Thompson, Pat Westhoff. "Are RIN prices high enough for E85 expansion?" FAPRI-MU Bulletin #01-15. 2015.
- Whistance, Jarrett, and Wyatt Thompson, and Seth Meyer. "Model Documentation: US Biofuels, Corn Processing, Biomass-based Diesel, and Cellulosic Biomass." FAPRI-MU 3-14. 2014.
- Whistance, Jarrett, Wyatt Thompson, and Seth Meyer. "Biomass-based Diesel Policy Options: Larger RFS Requirements and Tax Credit Extension." FAPRI-MU 1-14. 2014.
- Thompson, Wyatt, and Jarrett Whistance. "Analysis of U.S. Biofuel Tax Credits and Selected Related Policies." Commissioned by the National Academy of Sciences for Effects of U.S. Tax Policy on Greenhouse Gas Emissions" ed. William Nordhaus, Stephen Merrill, and Paul Beaton. National Academies Press, Washington, DC. 2013.
- Whistance, Jarrett, Wyatt Thompson, and Seth Meyer. "Renewable Fuel Standard Waiver Options for 2014 and Beyond" FAPRI-MU 7-13. 2013.
- Thompson, Wyatt , Jarrett Whistance, and Pat Westhoff. "Implied RIN Prices for E85 Expansion and the Effects of a Steeper Blend Wall" FAPRI-MU 3-13. 2013.
- Whistance, Jarrett, and Wyatt Thompson. "FAPRI-MU Biofuel Baseline" FAPRI-MU 2-13. 2013.
- Westhoff, Pat, Scott Gerlt, Jarrett Whistance, Julian Binfield, and Wyatt Thompson. "U.S. Baseline Briefing Book" FAPRI-MU 1-13. 2013.
- Thompson, Wyatt , Seth Meyer, Pat Westhoff, and Jarrett Whistance. "A Question Worth Billions: Why Isn't the Conventional RIN Price Higher?" FAPRI-MU 12-12. 2012.
- Thompson, Wyatt , Jarrett Whistance, Pat Westhoff, and Julian Binfield. "Renewable Fuel Standard Waiver Options during the Drought of 2012." FAPRI-MU 11-12. 2012.
- Thompson, Wyatt , Julian Binfield, and Jarrett Whistance. "EPA and RFS2: Market Impacts of Biofuel Mandate Waiver Options." FAPRI-MU 04-12. 2012.
- Binfield, Julian, Jarrett Whistance, and Wyatt Thompson. "U.S. Biofuels Baseline and Impact of E-15 Expansion on Biofuel Markets." FAPRI-MU 02-12. 2012.
- Thompson, Wyatt, Seth Meyer, and Jarrett Whistance. "Model Documentation for Biomass, Cellulosic Biofuels, Renewable and Conventional Electricity, Natural Gas and Coal Markets." FAPRI-MU 12-11. 2011.
- Thompson, Wyatt, Seth Meyer, Jarrett Whistance, and Pat Westhoff. "Competition for Biomass among Renewable Energy Policies: Liquid Fuels Mandate versus Renewable Electricity Mandate." FAPRI-MU 11-11. 2011.

- Meyer, Seth, Julian Binfield, Patrick Westhoff, and Wyatt Thompson. "US Biofuels Baseline and Impact of Extending the \$0.45 Ethanol Blenders Credit." FAPRI-MU Report 07-11. 2011.
- Meyer, Seth, Wyatt Thompson, and Pat Westhoff. "New Challenges in Agricultural Modeling: Relating Energy and Farm Commodity Prices." FAPRI-MU 05-11. 2011.
- Meyer, Seth, and Wyatt Thompson. "FAPRI-MU US Biofuels, Corn Processing, Distillers Grains, Fats, Switchgrass, and Corn Stover Model Documentation." FAPRI-MU 09-10. 2010.
- Meyer, Seth, and Wyatt Thompson. "US Biofuel Baseline Briefing Book." FAPRI-MU 04-10. 2010.
- OECD. *Potential Market Effects of Selected Policy Options in Emerging Economies to Address Future Commodity Price Surges*. OECD Food, Agriculture and Fisheries Working Papers, No. 35. 2010.
- Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "Renewable Identification Number Markets: Draft Baseline Table." FAPRI-MU 07-09. 2009.
- Meyer, Seth, Pat Westhoff, and Wyatt Thompson. "Impacts of Selected US Ethanol Policy Options." FAPRI-MU 04-09. 2009.
- OECD. "Are High Prices Here to Stay?" Chapter in *OECD Agricultural Outlook*. Paris, France. 2008.
- FAO. "World Food and Agriculture in Review." Chapter in *The State of Food and Agriculture*. Rome, Italy. 2008.
- Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "Model of the US Ethanol Market." FAPRI-MU 07-08. 2008.
- Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "State Support for Ethanol Use and State Demand for Ethanol Produced in the Midwest." FAPRI-MU 11-08. 2008.
- Westhoff, Pat, Wyatt Thompson, and Seth Meyer. "Biofuels: Impact of Selected Farm Bill Provisions and other Biofuel Policy Options." FAPRI-MU 06-08. 2008.
- Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "Model of the US Ethanol Market." FAPRI-MU 07-08. 2008.
- Food and Agricultural Policy Research Institute. "The Energy Independence and Security Act of 2007." FAPRI-MU 01-08. 2008.
- Kruse, John, Pat Westhoff, Seth Meyer, and Wyatt Thompson. "Economic Impacts of Not Extending the Biofuels Subsidies." FAPRI-UMC 17-07. 2007.
- OECD. *Agricultural and Fisheries Policies in Mexico: Recent Achievements, Continuing the Reform Agenda*. November, 2006.



- OECD. “Agricultural Policies in OECD Countries: At a Glance.” Main author of Chapter 1, Part1, “Evaluation of Support Policy Developments in OECD Countries” and chapter on support estimates for Mexico. 2006.
- OECD-FAO. “Oilseeds” in *OECD-FAO Agricultural Outlook*. 2005.
- OECD. “Oilseeds”, “Sensitivity Analysis: Impact of Stochastic Macroeconomic Variables on the Outlook for World Commodity Prices”, and “The Impact of Further Area Expansion for Oilseeds in Brazil” in *OECD Agricultural Outlook*. 2004.
- Thompson, Wyatt. “Variability in Markets and Agricultural Policy.” *PRIMAFF Review* No. 11, p. 65. Policy Research Institute of the Ministry of Agriculture, Forestry, and Fisheries. March, 2004.
- OECD. “Oilseeds” and “Sensitivity Analysis of the Variability of Yields” in *OECD Agricultural Outlook*. 2003.
- OECD. *The Medium-Term Impacts of Trade Liberalization in OECD Countries on the Food Security of Non-Member Economies*. COM/AGR/TD/WP(2001)74/FINAL. June, 2002.
- OECD. “Oilseeds”, “Market Impacts of Changes in the European Union’s Set-Aside Policy”, and “Some Possible Effects of Changes to the US Marketing Loan Rate” in *OECD Agricultural Outlook*. 2002.
- OECD “A Preliminary Examination of US Area Payments and Their Effects on the Outlook” and “Market Impacts of European Union and United States Cereal Policy Response Triggered by Changes in Market Prices” in *OECD Agricultural Outlook*. 2001.
- OECD. *An Analysis of Officially Supported Export Credits in Agriculture*. COM/AGR/TD/WP(2000)91/FINAL. December, 2000.
- OECD. *A Forward-Looking Analysis of Export Subsidies in Agriculture*. COM/AGR/TD/WP(2000)90/FINAL. December, 2000.
- OECD. “Agenda 2000-Berlin Agreement: Effects on European and World markets”, “Use of Export Subsidies and Export Credits in Cereal Trade”, and “Price Discrimination and Price Pooling in Dairy Markets” in *OECD Agricultural Outlook*. 2000.
- Thompson, Wyatt. “Beef, Pork, and Poultry in Japan: Supplies and Demands.” FAPRI-UMC 24-97. 1997.
- Chino, Jinjiro, Hitoshi Kusakari, Abraham Subotnik, Robert Young, Abner Womack, Gregg Suhler, Gary Adams, Brian Willott, and Wyatt Thompson. “Japanese Rice Model.” FAPRI-UMC 3-97. 1997.
- Kusakari, Hitoshi, Abraham Subotnik, Robert Young, Gary Adams, Brian Willott, Abner Womack, Gregg Suhler, and Wyatt Thompson. “Japanese Rice Model.” FAPRI-UMC 26-96. 1996.

- Thompson, Wyatt, Kazuhiko Hotta, Norikazu Kanada, Jun Furuya, Scott Brown, Abner Womack, and Gregg Suhler. "Japanese Beef Model." FAPRI-UMC 18-96. 1996.
- Furuya, Jun, and Wyatt Thompson. "Survey of Recent Japanese Beef Models." Special Report of the Livestock Econometric Research Study Group, No. 3, Livestock Industry Promotion Corporation, p. 38-62. March, 1995.
- Thompson, Wyatt. "Japanese Pork Model." FAPRI-UMC 03-96. December 1, 1994.
- Thompson, Wyatt. "Japanese Chicken Model." FAPRI-UMC 04-96. December 1, 1994.
- Thompson, Wyatt. "FAPRI Domestic Egg Model." CNFAP 43-94. September 1, 1994.
- Thompson, Wyatt, and Jun Furuya. "Data on the Japanese Beef Sector." CNFAP #28-94. July 1, 1994.
- Thompson, Wyatt, and Katsuhiro Saito. "Data on the Japanese Dairy Sector." CNFAP #29-94. July 1, 1994.
- Furuya, Jun, Wyatt Thompson, Abner Womack, and D. Scott Brown. "Japanese Beef and Dairy Models." CNFAP #1-94. January 1, 1994.

### **White paper**

- Farm Foundation. *The 30-Year Challenge: Agriculture's Strategic Role in Feeding and Fueling a Growing World*. December 4, 2008.

### **Department working paper**

- Kaufman, James, Wyatt Thompson, and Seth Meyer. "Implications of the Low Carbon Fuel Standard for State and National Ethanol Use." University of Missouri, Department of Agricultural Economics Working Paper No. AEW 2009-05. August, 2009.

## **Competitively selected papers presented**

*Notes:* If I did not present the paper, then the presenting co-author's name is in italics. Presentations already listed under principal paper or proceedings publications are excluded from this list.

*Debnath, Deepayan*, Wyatt Thompson, Michael Helmar, and Julian Binfield. "Long term consequences of changing global food consumption patterns on U.S. agricultural commodity export demand." Selected paper presented at the Annual Meeting of the Agricultural and Applied Economics Association. Minneapolis, Minnesota. July 27-29, 2014.

*Debnath, Deepayan*, Wyatt Thompson, Patrick Westhoff, and Scott Gerlt. "Does the absence of demand side variability in stochastic partial equilibrium modeling bias outcomes? Facts and evidence from Brazil." Selected poster presented at the Annual Meeting of the

- Agricultural and Applied Economics Association. Minneapolis, Minnesota. July 27-29, 2014.
- Thompson, Wyatt, and Ignacio Pérez Domínguez. "Straining the links between biofuel policies and food insecurity in developing countries." Presented at the International Consortium on Applied Biotechnology, Ravello, Italy, June 19, 2013.
- Whistance, Jarrett, and Wyatt Thompson. "Ethanol Policy Effects on Petroleum and Petroleum Product Markets." Presented at the Missouri Economic Conference, Columbia, Missouri. December 9-11, 2012.
- Whistance, Jarrett, and Wyatt Thompson. "Trade Implications of Renewable Fuel Standard Waivers." Presented at the International Agricultural Trade Research Consortium, San Diego, California. December 9-11, 2012.
- Thompson, Wyatt, Seth Meyer, and Elliott Campbell. "A Preliminary Look at Climate Change Effects on US Corn Market Volatility in the Context of Biofuel Mandates." Presented at the Workshop on Mitigation of CO2 Emissions by the Agricultural Sector, Bergen, Norway. October 3-4, 2011.
- Whistance, Jarrett, and Wyatt Thompson. "Ethanol Policy Effects on Petroleum and Petroleum Product Markets: A Stochastic Analysis." Presented at the International Agricultural Trade Research Consortium, St. Petersburg, FL. December 11-13, 2011.
- Thompson, Wyatt, and David Abler. "Practical Problems of Comparing Demand Elasticity Estimates with a Focus on China." Paper presented at the annual meeting of the International Agricultural Trade Research Consortium. Berkeley, California. 2010.
- Aguilar, Francisco X., and Wyatt Thompson. "Charging into the Blend Wall: Conjoint Analysis of Consumer Willingness to Pay for Ethanol Blend Fuels." Selected paper presented at the annual meeting of the Agricultural and Applied Economics Association. Denver. 2010.
- Thompson, Wyatt, Seth Meyer, Pat Westhoff. "US Biofuel and Climate Policies Duel over Cellulosic Biomass." Paper presented at the summer meeting of the International Agricultural Trade Research Consortium. Stuttgart, Germany. 2010.
- Thompson, Wyatt, and Pat Westhoff. "Food Prices and Trade: Boom, Bust, and Beyond." Paper presented at the summer meeting of the International Agricultural Trade Research Consortium. Seattle, Washington. June 22, 2009
- Anton, Jesus, and Wyatt Thompson. "Risk Aversion and Competitiveness." Paper presented at the annual meeting of the International Agricultural Trade Research Consortium. Scottsdale, Arizona. December, 2008.

Thompson, Wyatt, Seth Meyer, and Pat Westhoff. "Mandate Economics Applied to US Biofuel Policies." Paper presented at the annual meeting of the International Agricultural Trade Research Consortium. Scottsdale, Arizona. December, 2008.

*Brown, Scott*, Wyatt Thompson, and Daniel Madison. "Where's the Beef?" Paper presented at the Annual Meetings of the Western Agricultural Economics Association. Big Sky, Montana. 2008.

*Meyer, Seth*, and Wyatt Thompson, "Ethanol: Demand Characteristics and Spatial Disposition." Invited presentation, Transportation Research Forum annual meetings, Dallas Texas. March 17, 2008.

Thompson, Wyatt, Pierre Charlebois, and Gregoire Tallard. "All Meat, Dark Meat and White Meat, or Our Meat?" Paper presented at the annual meeting of the International Agricultural Trade Research Consortium. Washington, DC. January, 2008.

Thompson, Wyatt, Joe Dewbre, and Roger Martini. "Is OECD Farm Support Less Coupled than It Used to Be?" Selected paper at the Annual Meetings of the American Agricultural Economics Association. Portland, Oregon. July 30, 2007.

Thompson, Wyatt. "Disciplining Agricultural Export Credits." Paper presented at the annual meeting of the International Agricultural Trade Research Consortium. St. Petersburg, Florida. December 3-5, 2006.

Thompson, Wyatt, Abner Womack, and *Pat Westhoff*. "Japanese Meat Markets – Response to a Changing Macroeconomic Environment." Selected paper, annual meeting of the Southern Agricultural Economics Association. February, 1999.

## **Selection of presentations, posters, and consultations**

### **Domestic**

#### *Invited or competitively selected*

Thompson, Wyatt. "US Biofuel and Energy Outlook March 2014" at the Missouri Institute of Cooperatives. Columbia, MO. March 11, 2014.

Thompson, Wyatt, and Pat Westhoff. "What Would It Take to Get Real Crop Prices to Rise or Fall?" presented at the Annual Meeting of the Agricultural and Applied Economics Association, Washington, DC, August 5, 2013.

Thompson, Wyatt. "Impact of Biofuels Mandates on Grain and Oilseed Markets" presented at the Maryland Policy Conference, Annapolis, MD, on March 8, 2013.

- Whistance, Jarrett, and Wyatt Thompson.* “Cellulosic Biofuels in the FAPRI Baseline of 2012” presented via internet to the Biofuels in AEO2013 Workshop at Washington, DC, on March 20, 2013.
- Thompson, Wyatt. "Mandates and Markets: How Market Conditions Influence the Impact of the RFS and Vice Versa" presented at Energy Biosciences Institute's Biofuels Law and Regulation Project, Fourth Annual Biofuels Law and Regulation Conference. Champaign, Illinois on April 25, 2012.
- Thompson, Wyatt. "Analysis of U.S. Biofuel Tax Credits and Selected Related Policies." Presentation at the National Academy of Sciences. Washington, DC. April 11, 2012.
- Abler, David, and Wyatt Thompson. “A Meta-Analysis of Agricultural Demand Elasticities for China.” Poster accepted for the annual meeting of the Agricultural and Applied Economics Association, Pittsburg, but not presented due to scheduling conflicts. 2011.
- Thompson, Wyatt. “How Well Have We Done and Where Should We Go From Here? Perspectives from Around the World.” Invited Theme Day Panelist at the annual meeting of the International Agricultural Trade Research Consortium. Berkeley, California. December, 2010.
- Thompson, Wyatt. “Biomass to Electricity.” Invited presentation at the Bioelectricity and GHG Workshop sponsored by the Office of the Chief Economist and the Forestry Service of the US Department of Agriculture. Washington, DC. November 15, 2010.
- Westhoff, Pat, and Wyatt Thompson.* “Reform and Retrenchment of Mexico’s Agricultural and Rural Policies.” Organized symposium, annual meetings of the American Agricultural Economics Association. Orlando, Florida. August, 2008.
- Artz, Georgeanne, *James Kaufman*, and Wyatt Thompson. “What if the Boom Goes Bust? Estimating Potential Impacts of Ethanol Plant Closures on Rural Communities.” Organized symposium, annual meetings of the American Agricultural Economics Association. Orlando, Florida. August, 2008.
- Meyer, Seth, Wyatt Thompson, and Pat Westhoff.* In panel, "Sustainable Biorefining Systems: Preliminary Findings from the NC506 Project." Annual meetings of the American Agricultural Economics Association. July, 2008.
- Brown, D. Scott, Daniel Madison, and Wyatt Thompson. "The Milk Income Loss Contract Program Effects on Milk Price Risk and Milk Supply." Poster accepted but not presented at the 2008 AAEA & ACCI Joint Annual Meeting in Orlando, Florida. July 27-July 29, 2008.
- Thompson, Wyatt. “The Medium-Term Impacts of Trade Liberalisation in Developing Countries on the Food Security of Non-Member Economies.” Presented at the annual meeting of the International Agricultural Trade Research Consortium. Monterrey, United States. December 15-17, 2002.

*Other domestic presentations, posters, and consultations*

Office of Transportation and Air Quality, Environmental Protection Agency. Invited to discuss biofuel outlook and related research. Washington, D.C. December 16, 2013.

Energy Information Administration, US Department of Energy. Invited to discuss biofuel market research. Washington, D.C. December 21, 2011.

Energy Information Administration, US Department of Energy. Invited to discuss biofuel market research. Washington, D.C. December 15, 2010.

Office of Transportation and Air Quality, Environmental Protection Agency. Invited to discuss cellulosic biofuel and biofuel policy research. Washington, D.C. December 15, 2010.

Organized and chaired “Agriculture and Energy Model Meeting”, an informal meeting of economic modelers. Participants included representatives from Economic Research Service, Energy Information Agency, Environmental Protection Agency, and FAPRI. December 14, 2009.

Organized and chaired “Workshop on Biofuel Baseline Data and Models”, an informal meeting of economic modelers. Participants included representatives from Economic Research Service, Energy Information Agency, Environmental Protection Agency, and FAPRI. December 15, 2008.

Office of Transportation and Air Quality, Environmental Protection Agency. Invited to discuss lifecycle analysis. Washington, D.C. June 19, 2008.

Office of Microeconomic Analysis, US. Treasury. Invited to consultations about biofuel use mandates. Washington, D.C., United States. June 19, 2008.

Energy Information Administration, US Department of Energy. “Working Group on Biofuel Technology Modeling.” Washington, D.C. June 18, 2008.

Economic Research Service, US Department of Agriculture. Biofuel Modeling workshop. Washington, D.C., United States. June 17, 2008.

Thompson, Wyatt. “An Example of Consumer Demand Issues: Modeling BSE in the EU.” Presented at Economic Research Service, USDA. November 15-16, 2001.

Thompson, Wyatt. “Agenda 2000.” Presented at the Economic Research Service, USDA, Modeling Workshop on European Agricultural Policy. September 20-22, 1999.

**International**

Thompson, Wyatt. "Comments Relating to the European Commission Biofuels Outlook" at the Commodity Market Development in Europe - Outlook organized by JRC-IPTS and DG AGRI. Brussels, Belgium. October 21-22, 2014

Thompson, Wyatt. "Market models and farm options", "Stochastics at FAPRI-MU", and "PE model training for outlook and policy analysis." Presentations at the World Outlook Conference. Seville, Spain. May 12-13, 2014.

Invited expert to the Meeting of the iMAP Reference Group and the AGLINK-COSIMO consultation at Seville, Spain. November 12-13, 2013.

Thompson, Wyatt. "US Grains Market Outlook" to the Colombia Feed Grain Import Buyers Team Columbia at Columbia, Missouri, on August 20, 2013.

Thompson, Wyatt. "Renewable Fuel Standard Waiver Options during the Drought of 2012." Presentation at the Commodity Market Development in Europe Outlook organized by JRC-IPTS and DG AGRI. Brussels, Belgium. October 16-17, 2012.

Thompson, Wyatt. "Objective Policy Analysis: Examples from FAPRI." Presentation at the Conference on the Benefits of the Multilateral Trading System. Ankara, Turkey. September 24-25, 2012.

Thompson, Wyatt. "A Preliminary Study of EPA Biofuel Mandate Waiver Options." Presentation at the World Outlook Conference. Wakefield, Canada. May 24-25, 2012.

Thompson, Wyatt, Seth Meyer, and Elliott Campbell. "A preliminary look at climate change effects on US corn market volatility in the context of biofuel mandates." Paper presented at the Workshop on Mitigation of CO2 Emissions by the Agricultural Sector. Bergen, Norway. October 3-4, 2011.

Invited participant at "Changing Demand in Emerging and Developing Countries" seminar hosted by the Policy Research Institute of the Ministry of Agriculture, Forestry, and Fisheries. Kasumigaseki, Chiyoda-ku, Tokyo, Japan. May 13, 2010.

Thompson, Wyatt. "World Market Implications of Model Parameters and Demand Growth in Developing Countries." Presented at the World Outlook Conference. Tsukuba, Japan. May, 2010.

Interviewed by visiting officials of the Food Security Division, Ministry of Agriculture, Forestry, and Fisheries of Japan about modeling world food commodity markets for outlook work. February 5, 2009.

Invited participant at the OECD Global Forum on Agriculture. Paris, France. June 29-30, 2009.

Invited expert at the meeting to discuss model revisions to the OECD AGLINK and FAO COSIMO system. Paris, France. November, 2008.

Invited participant at the Organization for Economic Cooperation and Development Commodity Group Meetings. Paris, France. March, 2008.

Invited expert at a meeting on the new Producer Support Estimate classifications organized by the Organization for Economic Cooperation and Development. Paris, France. 2007.

Invited expert on US agricultural and ethanol policy for two weeks of collaborative research and tours held for me by officials of the Ministry of Agriculture, Forestry, and Fisheries. Tokyo, Japan. 2007.

Requested by the new administration of President Calderon of Mexico to contribute to a broader project that would help them assess their options as regards policies relating to key agricultural commodities. 2007.

Invited expert at a meeting on commodity market modeling, especially representation of Mexico's commodity markets and policies, organized by the OECD. Paris, France. 2007.

Release of *Agricultural and Fisheries Policies in Mexico: Recent Achievements, Continuing the Reform Agenda*, by the OECD, in Mexico City, Mexico. November 22-25, 2006. Events included: (1) Press Conference with Secretary Mayorga (Minister of the Secretariat of Agriculture, Livestock, Rural Development, Fisheries, and Food of Mexico) and Director Tangermann of the OECD Directorate of Agriculture, Food, and Fisheries; (2) Briefing to the Agriculture and Fisheries Commission from Chamber of Deputies; (3) Briefing to the Agriculture and Fisheries Commission from the Senate; and (4) presentation at Guadalajara International Book Fair, the third-largest book fair in the world.

Invited expert at the FAO Informal Consultation on Global Trade Modeling in the Context of the WTO Negotiations on Agriculture. Rome, Italy. July 7-8, 2005.

Thompson, Wyatt. "Trade: Net or Bilateral?" Presented at the World Outlook Conference. Rome, Italy. May 18-19, 2005.

Invited expert at the European Commission Meetings Related to Outlook, Export Credits, Dairy and Tomato PSEs. Brussels, Belgium. January 31, 2005.

Invited expert at the World Bank Conference on Agricultural Trade Reform and the Doha Development Agenda. The Hague, Netherlands. December 1-2, 2004.

Invited expert at the FAO Expert Meeting on Export Competition. November 25-26, 2004.

Invited expert at the Ibaraki University International Seminar on Food, Agriculture, and Sustainability. Ibaraki, Japan. December 12, 2003.

Invited expert at the Tokyo Agricultural University Workshop on PEM-Type Models for Southeast Asia. Tokyo, Japan. December, 2003.

Thompson, Wyatt. "Group Expenditure and AIDS Models: Practical Implications." PRIMAFF Seminar. Tokyo, Japan. March, 2003.

Thompson, Wyatt. "Officially Supported Export Credits," with Jean Le Cocguic of the OECD. World Trade Organization (WTO) Committee of Agriculture: Informal Meeting on Export Credits. Geneva, Switzerland. March 26, 2002.

Invited expert at the FAO Roundtable on Food Aid. "Export Subsidies and Export Credits." Geneva, Switzerland. November 30, 2001.



OECD briefings to WTO negotiators and the press. Presentations relating to export credit and export subsidy research to (1) the South Centre at the Pakistan Permanent Mission, (2) WTO negotiators at the Graduate Institute, (3) members of the press at the Palais des Nations-Unies, and (4) the CAIRNS Group delegates at the Australian Permanent Mission. Geneva, Switzerland.

Observer at FAO Committee on Commodity Problems and Bilateral Discussions on Food Security. Rome, Italy. March 5-9, 2001.

Thompson, Wyatt. "Commodity Market Outlook and the Berlin Agreement." Briefing to the Chinese Delegation. Paris, France. November, 2000.

Thompson, Wyatt. "The Berlin Agreement." Presentation to the International Dairy Federation. Paris, France. December 9, 1999.

#### *OECD presentations, 1999-2006*

Research plans and output were presented to committees comprised of delegates from member countries and observer organizations. I was primary analyst and author for research that was presented at the Committee of Agriculture, the Joint Working Party of Agriculture and Trade, Commodity Working Groups, Expert Meetings, and the Participants to the Arrangement on Officially Supported Export Credits.

I also engaged in bilateral meetings with officials from member countries, including the European Commission, the United States, France, Japan, and the Netherlands.

### **Briefings, interviews, and popular publications**

Thompson, Wyatt. "Biofuels Policies." Missouri Farm Financial Outlook for the Ag Lender Seminars. November-December 2013.

Thompson, Wyatt. "Looking Ahead: Some Trends and Pressures in World Agriculture." Invited presentation at the MFA Employee Development Program. Columbia, Missouri. August 21, 2013.

Thompson, Wyatt. "Biofuels Policies." Missouri Farm Financial Outlook for the Ag Lender Seminars. November-December 2012.

Thompson, Wyatt. "Biofuels Policies." Missouri Farm Financial Outlook for the Ag Lender Seminars. November-December 2011.

Thompson, Wyatt. "Global Breadth and Scope of Agriculture." Invited presentation at the MFA Employee Development Program. Columbia, Missouri. July, 2011.

Conklin, Neil, Wyatt Thompson, and Mark Scholl. "The 30-Year Challenge: Agriculture's Strategic Role in Feeding and Fueling a Growing World." Briefings to Senate and House Agricultural Committee Staff. Washington, D.C. April 23, 2009.

*Farm Journal* interview relating to "The 30-Year Challenge: Agriculture's Strategic Role in Feeding and Fueling a Growing World." December 17, 2008.

*Farm World* quote for "Farm Foundation Report Looks Ahead at World Ag." December 17, 2008.

Live radio interviews, including *AgriTalk with Mike Adams* "The 30-Year Challenge: Agriculture's Strategic Role in Feeding and Fueling a Growing World" December 9, 2008; and "FAPRI: RFS Ethanol Mandate Waiver Could Impact 2013-14 Corn Price More Than 2012-13" October 5, 2012.

Invited to ask US Secretary of Agriculture Ed Schafer questions in front of the Society of American Business Editors and Writers, Kansas City, Missouri. September 8, 2008.

"Agriculture from an Economist's Perspective", with Jan Dauve, to the Society of American Business Editors and Writers, Kansas City, Missouri. September 8, 2008.

Thompson, Wyatt. "How Will the Energy Bill Affect Biodiesel Prices?" *Missouri Soybean Farmer*. March, 2008.

Thompson, Wyatt. "The Scope of Agriculture." Invited presentation at the MFA Employee Development Program. Columbia, Missouri. March, 2008.

## **Research funding**

Research has been supported in the last 6 years by about \$3 million of grants. I served as principal investigator on over \$1 million of this grant funding. Sources include:

- National Institute of Food and Agriculture, Economic Research Service, and Office of the Chief Economist of the United States Department of Agriculture,
- United States Environmental Protection Agency,
- United States Department of Energy,
- National Academy of Sciences,
- Government of Mexico,
- University of Missouri
- Farm Foundation, and
- Industry groups.

Other entities, such as the Organization for Economic Cooperation and Development and the Food and Agriculture Organization of the United Nations, also fund my research.

## **Professional associations and duties**

### *Memberships and associations*

American Economics Association; Agricultural and Applied Economics Association; International Agricultural Trade Research Consortium; World Outlook Conference participant; graduate of the GTAP Short Course

### *Journal and other reviews*

- Review NSF grant proposal
- Journal reviews (with frequency in parentheses if greater than one):
  - Agricultural Economics (2);
  - American Journal of Agricultural Economics;
  - American Journal of Agricultural and Resource Economics;
  - Australian Journal of Agricultural and Resource Economics;
  - Climate Change;
  - Climate Change Economics;
  - Energy Policy (9);
  - European Review of Agricultural Economics (2);
  - Food Policy;
  - Journal of Agricultural and Applied Economics;
  - Journal of Agricultural Economics; and
  - Journal of International Agricultural Trade and Development
- Research reports written by colleagues and peers (e.g. FAPRI-MU, ERS, OECD)
- Congressional testimony written by colleagues

## **Advising and Teaching**

Since October 2006, I advise graduate students and teach undergraduate students at the University of Missouri in Columbia.

### **Advising**

Masters: committee member for two graduates and advisor for two graduates.

PhD: committee member for four graduates and advisor for two graduates.

Principal Investigator and Program Director of a National Needs Fellowship program training three Ph.D. students in bio-economics.

### **Teaching**

*Agricultural Prices*, undergraduate level. Spring 2011, 2012, 2013, 2014, and 2015.

*Agricultural Prices*, graduate level. Spring 2014 and 2015.

*Agricultural and Rural Economic Policy* (with Pat Westhoff). Spring 2007, Spring 2008, Spring 2009, Spring 2010, Spring 2011, and Spring 2012.

*Senior Seminar*. Spring and Autumn 2007, Spring 2008, Spring 2009, and Spring 2010.

*Selected guest lectures*

Various guest lectures at UMC including Introduction to Macroeconomics (November 3, 2008); International Comparative Rural Policy Studies (July 17, 2008); Introduction to AgriBusiness Management (October 22, 2007); Community Food Systems (April 16, 2007); Microeconomics, graduate level, on consumer demand (2012, 2013).

*Monitoring the Common Agricultural Policy*. Summer School on European Integration. Siena, Italy. July, 2000.

*Modelling courses*

Short-course in modelling for MU graduate students (led by Abner Womack) at Columbia, Missouri. Summer, 2011.

Turkey grain modelling at Economic Policy Research Foundation of Turkey (TEPAV), Ankara, Turkey. 2013.

Market and Policy Model Training. Columbia, Missouri, July 7-11, 2014.

## **Awards and honors**

Mentor to the student who won the Honorable Mention award for Social and Behavioral Sciences at the University of Missouri Undergraduate Research Forum in 2011.

Outstanding Early Career Teaching Award of the College of Agriculture, Food, and Natural Resources at the University of Missouri, awarded April 7, 2011.