

# Posters—Monday, 2:45 pm–4:15 pm

## Poster Tour: M1–M5

### Agriculture Insurance, Credit, and Farm Income

Three posters in this session study credit constraint and household behavior, tax reform and farm business, and U.S. farm income, respectively. Another two posters discuss agricultural insurance issues.

#### Presentations:

- M1** Credit Constraint and Non-separable Behavior of Rural Households—Evidence from China  
*Jianmei Zhao and Jun Zhang, Central University of Finance and Economics*
- M2** The Impact of Proposed Federal Tax Reform on Farm Businesses  
*James M. Williamson and Ron L. Durst, USDA-Economic Research Service*
- M3** Peak Runoff Index Insurance in Taiwan  
*Shu-Ling Chen, National Taipei University; Jow-Ran Chang, National Tsing Hua University*
- M4** Potential for Weather-indexed Insurance in China's Shaanxi Province  
*Baojing Sun, Peter N. Bell, and G. Cornelis Van Kooten, University of Victoria*
- M5** Factors Affecting U.S. Net Farm Income, 1948–2009  
*David K. Lambert, Kansas State University*

## Poster Tour: M6–M9

### Strategic Issues in Agribusiness Management

This poster tour presents studies that focus on strategic issues facing agribusiness firms.

#### Presentations:

- M6** Do Analysts' Earnings Per Share Forecasts Contain Valuable Information Beyond One Quarter? The Case of Publicly Traded Agribusiness Firms  
*Daniel A. Lewis and Mark R. Manfredo, Arizona State University; Dwight R. Sanders, Southern Illinois University; Winifred D. Scott, Zayed University*
- M7** The Relative Equity Positions and Capital Efficiency of U.S. Agricultural Grain and Supply Cooperatives and Investor Owned Firms  
*Ziran Li, Keri L. Jacobs, and Georgeanne M. Artz, Iowa State University*
- M8** Quantifying the Risk Reduction Capacity of Farm Management Tools: A Pseudo-experimental Analysis of Expense and Revenue Uncertainty  
*Todd Hubbs, University of Wisconsin-River Falls; Todd H. Kueth, Mitchell J. Morehart, and Robert Ebel, USDA-Economic Research Service*
- M9** Financing Herd Rebuilding after Drought-induced Liquidations  
*Damona Doye, Roger V. Sahs, Derrell Peel, and Eric A. Devuyt, Oklahoma State University*

## Poster Tour: M11–M15

### A Tour of Nutrition and Health Related Research

The posters in this tour discuss consumer demand for nutrition and health.

#### Presentations:

- M11** Demand for Food Away from Home  
*Timothy J. Richards, Arizona State University; Lisa Mancino, USDA-Economic Research Service*
- M13** The Impact of Diet Costs on Diet Quality  
*Silke Thiele, University of Kiel*
- M14** U.S. Consumer Demand for Differentiated Egg Products  
*Xianghong Li, Hikaru Hanawa Peterson, Tian Xia, and Yan Heng, Kansas State University*
- M15** Assessing U.S. Household Purchase Dynamics for Dietary Fiber  
*Miguel Henry-Osorio, Washington State University; Diansheng Dong, USDA-Economic Research Service*

## Poster Tour: M16–M20

### Market Structure, Barrier, and Competition

This set of posters evaluates a number of different market structure and pricing issues. Market barriers, spatial price competition, price rigidity, and deregulation are all examined. An empirical analysis of consumer search is also conducted.

#### Presentations:

- M16** Determining the Marketing Barriers to Organic Production and Certification  
*Ariana Torres and Maria I. Marshall, Purdue University*
- M17** Spatial Price Competition in the Non-alcoholic Beverage Industry in the United States  
*Senarath Dharmasena and Oral Capps, Jr., Texas A&M University*
- M18** Estimating Price Rigidity in Vertically Differentiated Food Product Categories with Private Labels  
*Sven M. Anders, University of Alberta; Kristin Kiesel, California State University, Sacramento; Milena Bocionek, Giessen University*
- M19** Promotion Pass-through and Consumer Search: An Empirical Analysis  
*Timothy J. Richards, Arizona State University; Miguel I. Gomez and Jun Lee, Cornell University*
- M20** An Economic Analysis of Removing the Canadian Wheat Board's Single Desk Authority and Rail Deregulation in Western Canada  
*Fabio L. Mattos and Janelle Wallace, University of Manitoba*

## Poster Tour: M21–M24

### Novel Approaches to Understanding Consumer Behavior

These papers look at novel approaches to understanding consumer behavior. There is an emphasis on novel empirical approaches and creative theory.

#### Presentations:

- M21** Consumer Income and Knowledge on Tax Status on Food and Beverages  
*Yuqing Zheng, Edward McLaughlin, and Harry M. Kaiser, Cornell University*
- M22** The Goods-Time Elasticity of Substitution in Home Food Production if...: Implications for Various Population Subgroups  
*Jeta Rudi, George C. Davis, and Wen You, Virginia Tech*
- M23** A Comparative Analysis of Consumers' WTP for Milk and Meat from Cloned Animals in Canada  
*Anahita Hosseini Matin and Ellen W. Goddard, University of Alberta; Jayson L. Lusk, Oklahoma State University; Diane L. McCann-Hiltz and Darren Chase, Alberta Agriculture and Rural Development*
- M24** Farm Level Demand for Fresh and Processed Stone Fruit in the United States  
*Xiaojiao Jiang and Thomas L. Marsh, Washington State University*

## Poster Tour: M26–M29

### Special Topics in Industrial Organization and Supply Chain Management

This poster tour focuses on industrial organization and supply chain management.

#### Presentations:

- M26** Antecedents to Biomass Procurement: The Essentials for Producer Participation  
*Mohammad Mainul Hoque, Bobby J. Martens, Georgeanne M. Artz, and Darren H. Jarboe, Iowa State University*
- M27** Estimating Market Power Exertion under Bilateral Imperfect Competition  
*Seongjin Park and Chanjin Chung, Oklahoma State University; Inbae Ji, Korea Rural Economic Institute; Sungill Han, Konkuk University*
- M28** Optimal Transportation Network Hub Locations in Food Supply Chain Systems  
*Hamideh Etemadnia and Stephan J. Goetz, Penn State University*
- M29** Marketing Contracts for Fresh Market Tomato Production: A Choice Based Experiment  
*Michael Vassalos, Wuyang Hu, Timothy A. Woods, John K. Schieffer, and Carl R. Dillon, University of Kentucky*

## Poster Tour: M31–M34

### Agricultural Commodity Trade

The posters in this tour investigate aspects of trade that focus more narrowly on a particular commodity flow or region.

#### Presentations:

- M31** U.S. and Chinese Apples Trade in ASEAN  
*Jeffrey A. Luckstead and Ron C. Mittelhammer, Washington State University; Stephen Devadoss, University of Idaho*
- M32** Evaluation of the Impacts of the Korea-U.S. FTA on the Beef Markets in Korea and the United States: Based on Stochastic Simulations  
*Byeong-il Ahn, Korea University*
- M33** Welfare Analysis in International Sugar Trade: The Case of the EU-ACP Sugar Protocol  
*Sibusiso Moyo, Thomas H. Spreen, and Zhifeng Gao, University of Florida*
- M34** Trade Policies in World Apple and Juice Markets  
*William Ridley and Stephen Devadoss, University of Idaho*

## Poster Tour: M36–M40

### The Economics of Climate and Agriculture

The posters in this tour address a range of important economic issues at the interface of climate and agriculture. Issues explored include the effect of climate change on agricultural production, implications for agricultural transportation, and the role of public perceptions of climate change.

#### Presentations:

- M36** Accounting for Greenhouse Gases Emissions in OECD Agriculture Productivity  
*Tshepelayi Kabata, University of Nebraska*
- M37** The Impact of Climate Change on Farm Incomes and Production Efficiency in Kansas  
*Amin William Mugeru, The University of Western Australia; Jacob A. Zereyesus, Kansas State University*
- M38** Carbon Policy Implication for the Greenhouse Industry  
*Zhengfei Guan, University of Florida; Xiaoxi Gao, Michigan State University*
- M39** The Effects of El Niño Southern Oscillation on World Agriculture  
*Nelson B. Villoria, Purdue University; David Ubilava, Mississippi State University*
- M40** U.S. Land Use Changes under Climate Change, Adaptation, and Mitigation Strategies  
*Jianhong Mu, Texas A&M University; Anne Wein, U.S. Geological Survey; Bruce A. McCarl, Texas A&M University*

## Poster Tour: M41–M44

### Efficiency, Technical Change, and Productivity

This poster session contains papers that examine efficiency, technical change, and productivity.

#### Presentations:

- M41** Input Specific Efficiency Measures Using Bayesian Stochastic Frontier Analysis  
*Saleem Shaik, North Dakota State University; Oleksiy Tokovenko, SAS Institute, Inc*
- M42** Water Scarcity and Agricultural Productivity in Sub-Saharan Africa  
*Aziza Kibonge, University of Nebraska*
- M43** Land Fragmentation, Market Integration, and Farm Efficiency: Empirical Evidence from Kosovo  
*Johannes Sauer, University of Kiel; Sophia Davidova, University of Kent; Matthew Gorton, Newcastle University*
- M44** Agricultural Productivity and Carbon emissions from Land Use Change in SSA  
*Aziza Kibonge, University of Nebraska*

## Poster Tour: M46–M50

### Crop Insurance Demand

Crop producers are able to mitigate risk by acquiring crop insurance policies. However, demand for crop insurance is subject to numerous factors. Research presented in these posters seeks to understand how factors such as geographical heterogeneity, government programs, access to credit markets, and education about insurance affects crop insurance demand.

#### Presentations:

- M46** Geographic Determinants of Preferences along U.S. Crop Insurance Subsidy Schedule  
*Xiaodong Du, University of Wisconsin; David A. Hennessy and Hongli Feng, Iowa State University*
- M47** Spectral and Statistical Modeling in Crop Insurance: Evidence from Brazil  
*Vitor Ozaki, University of São Paulo; Rogerio Costa Campos, Federal University of Pelotas*
- M48** The Impact of a Supplemental Disaster Assistance Program on the Relative Demands for Individual and Area Plans of Insurance  
*Harun Bulut and Keith J. Collins, National Crop Insurance Services*
- M49** Only the Rich Need Apply? A Dynamic Model of Credit and Index-based Insurance Choice  
*Kathleen M. Farrin, The Ohio State University*
- M50** Understanding Crop Insurance Demand in Developing Countries: Experimental Evidence from Behavioral Games in Peru  
*Jean Paul Petraud, Stephen R. Boucher, and Michael R. Carter, University of California, Davis*

## Agricultural Finance & Farm Management

- M51** Role Satisfaction and Conflict: An Exploratory Study of Intergenerational Businesses  
*Nicole E. Jones and Maria I. Marshall, Purdue University*
- M52** Agricultural Plastic Disposal in California: An Analysis by Industry  
*Sean P. Hurley, California Polytechnic State University, San Luis Obispo*
- M53** A Heuristic Optimization Model for Vegetable Production and Marketing Decisions  
*Carl R. Dillon and Michael Vassalos, University of Kentucky*

## Agribusiness Economics & Management

- M54** Keys to Expanding Adoption of Soil Conserving Farming Systems in the Pacific Northwest: A Comparison of Low- and High-adoption Counties  
*Penelope L. Diebel, Oregon State University; Stephanie L. Kane, University of Idaho; Douglas L. Young, Washington State University; J.D. Wulfhurst, University of Idaho*
- M55** Consumer Risk Reduction Behavior of New Brand Purchase  
*Koichi Yonezawa and Timothy J. Richards, Arizona State University*
- M56** The “Supermarket Revolution” in Indonesia: Will Traditional Markets be “Crowded Out”?  
*Wendy J. Umberger, Hery Toiba, and Wahida Wahdia, University of Adelaide; Nicholas Minot, International Food Policy Research Institute; Randy Stringer, University of Adelaide*
- M57** How Do Restaurants Benefit from Various Components of a Regional Promotion Campaign?  
*Ran Xie, Olga U. Isengildina-Massa, and Carlos E. Carpio, Clemson University*
- M58** The Effect of Information on Consumers’ Preferences of Indoor Plants  
*Alexis Solano and Lisa A. House, University of Florida*

## Demand & Price Analysis

- M59** Energy and Speculation: New Dynamics in Agricultural Price Volatility  
*Irene M. Xiarchos, USDA-Office of the Chief Economist; Wesley Burnett and Oleg Kucher, West Virginia University*
- M60** Television Advertising and Soda Demand: An Analysis with Aggregate and Micro Data  
*Rigoberto A. Lopez, Yizao Liu, and Chen Zhu, University of Connecticut*
- M61** Improving the Estimation of Demand Parameters for Agricultural Commodities  
*Michael K. Adjemian, USDA-Economic Research Service; Aaron D. Smith, University of California, Davis*

## Posters—Monday, 2:45 pm–4:15 pm

- M62 Seasonal Farm Price Patterns in Selected U.S. Fresh Fruit Markets  
*Kristy J. Plattner, Agnes Perez, and Suzanne D. Thornsbury, USDA-Economic Research Service*
- M63 Structural Change via Threshold Effects: Estimating U.S. Meat Demand Using Smooth Transition Functions  
*Nestor M. Rodriguez and James S. Eales, II, Purdue University*
- M64 Endogenous Product Choice in U.S. Biotech Corn Seed Market  
*Wenhui Zhang and Guanming Shi, University of Wisconsin*
- M65 Do Agricultural Contracts Affect Grains Prices? Evidence from Mexico  
*Santiago Guerrero, Banco de México*

### Food & Agricultural Marketing

- M66 Valuing Information on GM Foods in the Presence of Country of Origin Label  
*Jing Xie, Hyeyoung Kim, and Lisa A. House, University of Florida*
- M67 Under-contribution to Public Goods Due to Self-interested Inequity Aversion  
*Jura Liaukonyte, Cornell University; Timothy J. Richards, Arizona State University; Bradley J. Rickard and Harry M. Kaiser, Cornell University*
- M68 The Role of Sensory Evaluation in Consumer Choice: Evidence from a Field Choice Experiment  
*Vincenzina Caputo and Maurizio Canavari, University of Bologna; Rodolfo M. Nayga, University of Arkansas*
- M69 Factors Affecting Producer Participation in State Programs Promoting Locally Grown Foods: The Case of Fruit and Vegetable Growers in Tennessee  
*James Davis, Margarita M. Velandia, Dayton M. Lambert, Christopher D. Clark, Michael D. Wilcox, Jr., and Kimberly L. Jensen, University of Tennessee*
- M70 Product Knowledge, Perception, and Information in Chinese Consumers' Choices of Fair Trade Coffee  
*Shang-Ho Yang and Wuyang Hu, University of Kentucky; Huanda Guan, Huazhong Agriculture University*
- M71 Gains and Losses in the Paraguayan Beef Market after the 2004 Boom of Exports  
*Maria Jose Patino Valiente and Julieta Frank, University of Manitoba; Manuel Ferreira, Universidad Nacional de Asunción*
- M72 Information and Communication Technology Adoption: A Study of Northern Illinois Farmers  
*Aslihan D. Spaulding and Dena Hyde, Illinois State University*

- M73 Food Authenticity, Technology, and Consumer Acceptance  
*Jill E. Hobbs, Jing Zhang, and Jill McDonald, University of Saskatchewan*
- M74 Intraday Bid Ask Spread and Wealth Transfers in the Electronic Corn Futures Market  
*Xiaoyang Wang, Philip Garcia, and Scott H. Irwin, University of Illinois at Urbana-Champaign*
- M75 Serving As Suppliers to Institutional Foodservices: Supply Chain Considerations of Small- and Medium-scale Specialty Crop Producers  
*Laura Westray, Clemson University; Kathryn A. Boys, Virginia Tech; Angela M. Fraser, Clemson University*

### Food & Agricultural Policy Analysis

- M76 Predicting Agricultural Structural Change Using Census and Sample Data  
*Hugo Storm and Thomas Heckeleei, University of Bonn*
- M77 Agricultural Resource Management Survey and National Animal Health Monitoring System Data Analysis: Cow-Calf Case Study  
*Dustin L. Pendell, Colorado State University; Kamina K. Johnson, USDA-Animal and Plant Health Inspection Service*
- M78 Fully Calibrating Regional Models of Agricultural Supply under Multiple Constraints  
*Cloe Garnache and Pierre R. Merel, University of California, Davis*
- M79 Cattle Market Integration and Price Discovery in Three Developing Countries of Mali, Kenya, and Tanzania  
*Jean Claude Bizimana, David A. Bessler, and Jay P. Angerer, Texas A&M University*
- M80 Global Commodity Price Peaks and Governmental Interventions: The Case of the Wheat-to-Bread Supply Chain in Serbia—Who Benefited and Who lost?  
*Ivan M. Djuric, Linde J. Goetz, and Thomas Glauben, Leibniz Institute of Agricultural Development in Central and Eastern Europe*
- M81 Do Farmland Preservation Programs Improve the Profitability of Farming?  
*Brian J. Schilling, Witsanu Attavanich, and Kevin Sullivan, Rutgers University*
- M82 The Impact of Pasture Insurance on Farmland Values  
*Jennifer Ifft, USDA-Economic Research Service; Shang Wu, University of Delaware; Todd H. Kuethe, USDA-Economic Research Service*
- M83 A Dynamic Regional Model of Irrigated Perennial Crop Production  
*Bradley Franklin, Keith C. Knapp, and Kurt A. Schwabe, University of California, Riverside*



## Posters—Monday, 2:45 pm–4:15 pm

- M84** The Mexican Sugar Industry: Pathologies and Public Policy  
*Francisco Campos-Ortiz and Mariana Oviedo, Banco de México*
- M85** Estimating Impacts of Climate Change Policy on Land Use: An Agent Based Modeling Approach  
*Adam J. Daigneault and Fraser Morgan, Landcare Research*
- M86** Estimation of the Dynamics of Crop Acreage Response to Price: Rotations and Aggregation  
*Nathan P. Hendricks, Kansas State University; Aaron D. Smith and Daniel A. Sumner, University of California, Davis*

### Industrial Organization & Supply Chain Management

- M87** A Model of Online Auction Price Processes: Monotonicity, Time-varying Coefficients, and Multi-level Individual Effects  
*Yu Yvette Zhang, Texas A&M University*
- M94** Economic Performance Measures of Southeastern U.S. Cow-Calf Farms: Which Type of Farms Are the Most Efficient?  
*Berdikul Qushim and Jeffrey M. Gillespie, Louisiana State University*
- M95** Estimating a Farm Value of Precision Agriculture  
*Robert Ebel and David E. Schimmelpennig, USDA-Economic Research Service*
- M96** The Economic Feasibility of Bio-Butanol on Marginal Agricultural Lands in Western Colorado  
*Catherine M. Keske, Andrew Brandess, Dana L. Hoag, and Calvin Pearson, Colorado State University*
- M97** Wheat Yield Response: On-farm Management vs. Breeder Contributions  
*Vicki A. McCracken, Washington State University*
- M98** Weather Risk Effects on Cattle Production and Profitability in North Dakota  
*BillieJo A. Shae and Joleen C. Hadrich, North Dakota State University*
- M99** Static and Dynamic Measures of Reducing Energy Use in the Dutch Greenhouse Sector  
*Daphne M. Verreth and Grigorios Emvalomatis, Wageningen University; Frank Bunte, Agricultural Economics Research Institute; Alfons Oude Lansink, Wageningen University*

### International Trade

- M88** Asymmetric Tobacco Regulations and the Disease Haven Hypothesis  
*Aaron Z. Olanie, Gregmar I. Galinato, and Jonathan K. Yoder, Washington State University*
- M89** Estimating the Economic Impacts of Climate Change on Global Food Market and East Asian Agriculture Sectors  
*Chi-Chung Chen, National Chung-Hsing University; Shih-Hsun Hsu and Sheng-Ming Hsu, National Taiwan University; Ching-Cheng Chang, Academia Sinica; Yu-Shan Kuo, National Taiwan University*
- M90** Agricultural Trade and Freshwater Resources  
*Jeffrey J. Reimer, Oregon State University*

### Production Economics

- M91** Quantifying Economic Effects of Temperature Variability on Arkansas Rice Yields and Quality  
*Nathaniel Lyman, Lawton Lanier Nalley, and Bruce L. Dixon, University of Arkansas*
- M92** Economically Optimal Management of Huanglongbing in Florida Citrus  
*Abdul Wahab Salifu, Kelly A. Grogan, Thomas H. Spreen, and Fritz M. Roka, University of Florida*
- M93** Evaluating the Location of a Cellulosic Biorefinery Based on the Delivered Costs and Transportation Emissions of Feedstock: A Case Study of Tennessee  
*Tun-Hsiang Yu, Joshua Fu, James A. Larson, Burton C. English, Daniel G. De La Torre Ugarte, Bradley Wilson, Jeongran Yun, and Jimmy Calcagno, III, University of Tennessee*

### Productivity Analysis & Emerging Technologies

- M100** The Impact of Mechanical Citrus Harvester Adoption on Florida Orange Juice Growers  
*Jacob W. Searcy, Santa Fe College; Fritz M. Roka and Thomas H. Spreen, University of Florida*
- M101** Factors Influencing Adoption of Alternative Production Practices: Evidence from Analysis of a U.S. Blueberry Grower Survey  
*Susan Head, Kimberly L. Morgan, Ardian Harri, and John Michael Riley, Mississippi State University*
- M102** Economics of Microbial Inoculations as Part of IPM Practices in Apple Production in the United States  
*Holcer Chavez and Denis A. Nadolnyak, Auburn University*

### Risk & Uncertainty

- M103** Impact of Climate Change on the Time Series and Distributional Properties of Weather Factors Influencing California Viticulture  
*Don Cyr, Brock University; Robert Eyler and Michael Visser, Sonoma State University*
- M104** The Optimal Time Path for Carbon Abatement and Carbon Sequestration under Uncertainty: The Case of Stochastic Targeted Stock  
*David Haim, Andrew J. Plantinga, and Enrique Thomann, Oregon State University*

## Posters—Monday, 2:45 pm–4:15 pm

- M105** The Effects of Adaptation Measures on Hurricane Induced Property Losses  
*Meri Davlasheridze and Karen Fisher-Vanden, Penn State University; Allen Klaiber, The Ohio State University*
- M106** Security of Property Rights and Land Use Transition in Ukraine  
*Denys Nizalov, Kyiv School of Economics; Scott Loveridge, Michigan State University; Suzanne D. Thornsbury, USDA-Economic Research Service; Mollie B. Woods, Michigan State University; Olha Zadorozhna, Bocconi University*
- M107** Modeling Forest Wildfire Risks with Non-structural Correction for Spatio-temporal Autocorrelation: A Block Bootstrapping Approach  
*Xuan Chen and Barry K. Goodwin, North Carolina State University*
- M108** Information Rigidity and Correcting Inefficiency in USDA's Commodity Forecasts  
*Stephen A. MacDonald, USDA-Economic Research Service; Olga U. Isengildina-Massa, Clemson University*

### **Resource & Environmental Policy Analysis**

- M109** Can British Columbia Meet Its Self-sufficiency Goals?  
*Amy Sopinka, G. Cornelis Van Kooten, and Linda Wong, University of Victoria*

## Poster Tour: T1–T5

### Behavior Economics and Consumer Demand

Behavioral economics provides new understanding of consumer demand for market and nonmarket goods.

#### Presentations:

- T1** A Dynamic Model of Failure to Maximize Utility in the Chronic Consumer Choice to Consume Foods High in Added Sugars  
*Charles R. Rhodes, University of Connecticut*
- T2** Bidding Behavior in Almost Common Value Auctions  
*Kalyn T. Coatney, Matthew G. Interis, and Yang Wang, Mississippi State University*
- T3** Are Results from Non-hypothetical Choice-based Conjoint Analysis and Non-hypothetical Recoded-ranking Conjoint Analysis Similar?  
*Faical Akaichi and Rodolfo M. Nayga, University of Arkansas; Jose M. Gil, CREDA UPC IRTA; Vincenzina Caputo, University of Bologna*
- T4** Finding True Consumer Attitudes: Do Validation Questions Help?  
*Zhifeng Gao, Lisa A. House, and Xiang Bi, University of Florida*
- T5** Hyperbolic Discounting and Environmental Goods  
*Timothy J. Richards, Arizona State University; Gareth P. Green, Seattle University*

## Poster Tour: T6–T8

### Land Use and Valuation

Changes in land use can have a significant impact on consumer welfare as well as the supply of ecosystem services. This poster tour considers a variety of topics on the theme of land use.

#### Presentations:

- T6** Rider Preferences and Economic Values for Equestrian Trails  
*Wuyang Hu, Marie E. Pelton, and Angelos Pagoulatos, University of Kentucky*
- T7** Amenity Value of Forest Landscapes Attributed to Houses within a Ten Minute Driving Distance  
*Seung Gyu Kim, USDA-Economic Research Service; Seong-Hoon Cho and Roland K. Roberts, University of Tennessee; Roger L. Claassen, USDA-Economic Research Service*
- T8** Water-sensible Residential Landscapes: Builder vs. Homebuyer Preferences for Water Conserving Urban Residential Landscapes  
*Tracy A. Boyer, Chanjin Chung, and Justin Moss, Oklahoma State University*

## Poster Tour: T11–T15

### New Evidence on the Design of Economic Experiments

The papers in this session present evidence on the design of hypothetical and non-hypothetical experiments including surveys, choice experiments, and auctions. Comparisons across alternative value elicitation mechanisms and strategies for improving the truthfulness of responses are explored.

#### Presentations:

- T11** Truth or Consequences: Relationships between Exaggeration and Valuation  
*Christopher R. Gustafson and Daniel A. Sumner, University of California, Davis*
- T12** The Role of Dynamic Learning Games in Improving Survey Information from Subsistence Farmers: Evidence from Malawi.  
*Klaus Dropplemann and Paswel P. Marenya, International Food Policy Research Institute; Vincent H. Smith, Montana State University; Ephraim M. Nkonya and Kato Edward, International Food Policy Research Institute*
- T13** Elicit the Values of On- and Off-margin Consumers: Combining Choice Rankings and Auctions  
*Marco A. Palma and Yu Yvette Zhang, Texas A&M University*
- T14** Public and Secret Reserve Prices in Repeated Auctions: An Experimental Approach  
*Jafar Olimov, The Ohio State University*
- T15** On the Use of Honesty Priming to Elicit More Truthful Preferences in Hypothetical and Non-hypothetical Choice Experiments  
*Tiziana de Magistris and Azucena Gracia Royo, Centre for Agrofood Research and Technology; Rodolfo M. Nayga, University of Arkansas*

## Poster Tour: T16–T20

### Aspects of Food Assistance Programs

This poster tour focuses on impact of food assistance programs on health and academics. In addition, student preferences for healthy school food options are addressed.

#### Presentations:

- T16** Econometric Modeling of School Plate Lunch Demand  
*Matthew V. Pham and Brian E. Roe, The Ohio State University*
- T17** Do School Nutrition Programs Influence Child Weight? A Treatment Effect Analysis  
*Kristen L. Capogrossi and Wen You, Virginia Tech*
- T18** Student Acceptance of Nutritious School Lunches  
*Constance Newman, USDA-Economic Research Service*
- T19** The Effect of School Food Programs on Childhood Obesity  
*Yongwon Cho and Bidisha Mandal, Washington State University*

# Posters—Tuesday, 2:15 pm–3:45 pm

- T20** Spillover Effects of SBP and NSLP on Academic Performance  
*Kristen L. Capogrossi and Wen You, Virginia Tech*

## Poster Tour: T21–T24

### Technology, Agricultural Productivity, and Economic Growth

Increasing agricultural productivity remains one of the most important determinants for economic growth and poverty reduction in the developing world. The posters in this tour deal with technical changes and technical efficiency, role of social network in technology adoption, and productivity and economic growth.

#### Presentations:

- T21** The Sahel's Silent Maize Revolution: Analyzing Maize Productivity in Mali at the Farm Level  
*Jeremy D. Foltz and Ursula Aldana, University of Wisconsin; Paul Laris, California State University, Long Beach*
- T22** Tenure and Technical Efficiency: Evidence from Rice Farmers in the Philippines  
*Jeffrey D. Michler and Gerald E. Shively, Purdue University*
- T23** An Evaluation of Technical Efficiency of Small Farm Households in Chuong My District, Ha Tay Province, Vietnam  
*Yen H. Vu, Ministry of Planning and Investment; William H. Meyers, University of Missouri*
- T24** Social Learning in Technology Adoption: Spatial Econometric Analyses of Rice Farmers in Tanzania  
*Yuko Nakano, Valerien O. Pede, and Kei Kajisa, International Rice Research Institute*

## Poster Tour: T26–T30

### Topics in Energy Economics

This poster tour contains posters pertaining to energy issues. These issues include natural gas, nuclear energy substitution, clean energy sources, and biofuels.

#### Presentations:

- T26** Estimating the Demand for Natural Gas as an Alternative Fuel: A U.S. Case  
*Valeria Oscherov, Virginia Tech*
- T27** Impacts on Greenhouse Gas Emissions from Population Migration and Substitution of Energy Sources Resulting from the Tohoku Earthquake  
*Seong-Hoon Cho, University of Tennessee; Katsuya Tanaka, Shiga University; Junjie Wu, Oregon State University; Seung Gyu Kim, USDA-Economic Research Service; Roland K. Roberts, University of Tennessee*
- T28** The Rebound Effect and Its Implications on Obama's Plan for a Clean Energy Future  
*Eric G. O'Rear, Wallace E. Tyner, and Kemal Sarica, Purdue University*

- T29** Economics of Corn Residue for Energy in the Irrigated Corn Belt  
*Juan Pablo Sesmero and Aaron M. Cook, Purdue University*

- T30** Economic Comparison of Woody Biomass Harvesting Strategies in United States  
*Burton C. English, Lixia He Lambert, Daniel G. De La Torre Ugarte, and Dayton M. Lambert, University of Tennessee*

## Poster Tour: T31–T34

### New Quantitative Methods and Applications

This session includes discussions on new quantitative methods and applications.

#### Presentations:

- T31** Consumers' Preferences for the Millennium Bugs: Does the "Solemn Oath" Mitigate the Hypothetical Bias in Choice Experiment?  
*Tiziana De Magistris, Centre for Agrofood Research and Technology; Stefano Pascucci, Wageningen University*
- T32** An Evaluation of Estimators for Censored Systems of Equations Using Monte Carlo Simulation  
*Huixin Li, Thomas L. Marsh, and Yunfei Zhao, Washington State University*
- T33** Conversion to Organic Farm Management: A Dynamic Programming Approach  
*Timothy A. Delbridge and Robert P. King, University of Minnesota*
- T34** Filling in the Gaps: A Comparison of Methods to Impute Suppressed County Business Pattern Employment Data  
*David L. Register, Dayton M. Lambert, Burton C. English, Kimberly L. Jensen, and Robert J. Menard, University of Tennessee; Jason P. Brown, USDA-Economic Research Service*

## Poster Tour: T36–T40

### Renewable Energy

This poster tour covers a variety of topics in renewable energy adoption by farmers and consumers, including issues of rebound effects, household energy insecurity, and implications of fuel standards on greenhouse gas emissions.

#### Presentations:

- T36** Stacking Low Carbon Policies on the Renewable Fuels Standard: Economic and Greenhouse Gas Implications  
*Haixiao Huang, Madhu Khanna, Hayri Onal, and Xiaoguang Chen, University of Illinois at Urbana-Champaign*



## Posters—Tuesday, 2:15 pm–3:45 pm

- T37** The Impact of Policies on Renewable Energy Adoption by Farmers  
*Jayson F. Beckman, and Allison M. Borchers, USDA-Economic Research Service; Irene M. Xiarchos, USDA-Office of the Chief Economist; William F. Lazarus, University of Minnesota*
- T38** Renewable Fuel Standards: Efficiency vs. Rebound Effect  
*Farzad Taheripour and Wallace E. Tyner, Purdue University*
- T39** Consumer Preferences for Refrigerators Manufactured by “Climate Leaders”  
*Xiaogu Li, North Carolina State University; Christopher D. Clark, Kimberly L. Jensen, and Steven T. Yen, University of Tennessee*
- T40** The Impact of Low Income Home Energy Assistance Program Participation on Household Energy Insecurity  
*Anthony G. Murray and Bradford F. Mills, Virginia Tech*

### Poster Tour: T41–T44

#### Factors Influencing the Quality of Life in Rural Communities

Presentations in this tour examine the impact of broadband deployment on firm start-ups, how to forecast changes in a local government’s fiscal health, the willingness-to-pay for rural transportation for the elderly, and factors behind the life cycle of rural non-farm enterprises in Thailand.

#### Presentations:

- T41** Broadband Internet and Firm Entry: Evidence from Rural Iowa  
*Younjun Kim and Peter F. Orazem, Iowa State University*
- T42** How to Forecast Changes in a Local Government’s Fiscal Health  
*Arun Adhikari and James M. Fannin, Louisiana State University*
- T43** A Mixed Logit Analysis of the Willingness to Pay for Transportation Options for the Rural Elderly  
*Alicia A. Israel, Texas A&M University; Yanhong Jin, Rutgers University; James W. Mjelde, Texas A&M University; Rebekka M. Dudensing, Texas AgriLife Extension Service; Linda Cherrington, Texas Transportation Institute; Junyi Chen, Texas A&M University*
- T44** Rural Household Non-farm Businesses: Start-up, Expansion, Contraction, or Exit?  
*Chayane Chawanote, Cornell University*

### Poster Tour: T46–T49

#### Exploring Innovative Teaching Techniques in and out of the Classroom and Expanding Research Opportunities

The posters in this tour discuss innovative teaching techniques in and out of the classroom and expanding research opportunities.

#### Presentations:

- T46** Enhancing Critical Thinking in Economics Using Team-based Learning  
*Molly Espey, Clemson University*
- T47** An Update on Curriculum Reform: Case Study of CFANS Undergraduate Program Redesign 2011  
*Ward E. Nefstead, University of Minnesota*
- T48** Dollar Enterprise—Integrating Experiential Learning in Teaching Community Entrepreneurship  
*Chyi-Lyi (Kathleen) Liang, University of Vermont*
- T49** Addressing the Changing Professional Demands for Applied Economists: Multidisciplinary Participation and Rewards  
*Sian Mooney, Boise State University; Douglas L. Young, Washington State University; Kelly M. Cobourn and Samia Islam, Boise State University*

### Behavioral Economics

- T51** Consumer Search: An Empirical Foundation  
*William J. Allender Timothy J. Richards, and Daniel A. Lewis, Arizona State University*

### Environmental & Nonmarket Valuation

- T52** Are Consumers Willing to Pay a Price Premium for Environmentally Friendlier Foods?  
*Faical Akaichi, Rodolfo M. Nayga, and Lawton Lanier Nalley, University of Arkansas; Vincenzina Caputo, University of Bologna*
- T53** The Potential Effects of Climate Change on the Technical Efficiency of U.S. Dairies  
*Nigel D. Key and Stacy E. Sneeringer, USDA-Economic Research Service*
- T54** A Look at the Impact of Agricultural Pollution on Water Utility Operating Costs: A Metafrontier Approach  
*Roberto A. Mosheim and Marc O. Ribaud, USDA-Economic Research Service*
- T55** Labeled vs. Unlabeled Choice Experiments for Valuing Great Lakes Beach Characteristics  
*Scott A. Weicksel, Frank Lupi, Michael D. Kaplowitz, and Min Chen, Michigan State University*

### Experimental Economics

- T56** Demand Reduction from Pictorial Warning Labels on Cigarettes: Evidence from Experimental Auctions  
*Matthew C. Rousu, Susquehanna University; James F. Thrasher, University of South Carolina*

**T57** Willingness to Pay for Traceability for Food Products: A Meta-analysis Approach  
*Kenesha M. Reynolds-Allie, Thomas Doran, and Norbert L. W. Wilson, Auburn University*

## Food Safety & Nutrition

**T58** Is It More Than Coincidence of the Presence of Food Deserts, Pre-school Aged Native American Indian Children, and Childhood Obesity?  
*Forrest E. Stegelin, University of Georgia*

**T59** A Hedonic Pricing Model of Homogenized Peanut Butter in the Presence of the 2009 Salmonella-based Major Product Recall  
*Steven S. Vickner, The Ohio State University*

**T60** Risk Preferences and Young Couples' Natural Sweetener Glycemic Index Information Valuation  
*Mariah D. Ehmke, Katrina Krutkramele, and Christopher T. Bastian, University of Wyoming; Linda Thunstrom, HUI; Matthew A. Andersen and Enette Larson-Meyer, University of Wyoming*

**T61** Dietary Transformation in Indonesia: Is the "Supermarket Revolution" to Blame?  
*Wendy J. Umberger, University of Adelaide; Nicholas Minot, International Food Policy Research Institute; Wahida Wahdia and Hery Toiba, University of Adelaide*

## Household & Labor Economics

**T62** Tradeoff between Farm Profitability and the Desire for Market Work: An Empirical Analysis of Chinese Farm Households  
*Tadashi Sonoda, Nagoya University*

**T63** Labor Force Participation and the Extension of Medicaid by the Forthcoming Affordable Care Act of 2010  
*Joseph A. Ewing, Clemson University*

## Institutional Economics

**T64** Water Auctions within the Agricultural Sector: Conduct and Performance  
*Dafna M. DiSegni, University of Haifa; Zvika Neeman and Amity Feder, Tel Aviv University*

**T65** How the European Union Works: Theory and Empirical Evidence from the CAP  
*Christian H.C.A. Henning and Eva Krampe, University of Kiel; Christian Aßmann, University of Bamberg*

**T66** Voter Behavior as Micropolitical Foundation of Agricultural Protectionism: Estimating a Probabilistic Voting Model of the Agrarian and Non-agrarian Population  
*Christian H.C.A. Henning, and Svetlana Petri, University of Kiel*

**T67** Voter Behavior, Government Capture and Accountability in Sub-Sahara African States: A Comparative Analysis Based on Cross-country Estimations of Probabilistic Voting Models  
*Christian H.C.A. Henning and Laura Seide, University of Kiel*

**T68** Is There a Minimum Required Landholding for Food and Nutritional Self-sufficiency?  
*Travis W. Reynolds, Colby College; C. Leigh Anderson and Mary Kay Gugerty, University of Washington*

## International Development

**T69** Stock Exchange Development and Economic Growth in Sub-Saharan Africa  
*Yu Yvette Zhang and Fred O. Boadu, Texas A&M University*

**T70** Diffusion and Accuracy of Market Information Amongst Farmers in Northern Ghana  
*Giacomo Zanella, University of Reading; Bhavani Shankar, School of Oriental and African Studies; Chittur S. Srinivasan, University of Reading*

**T71** Land Documents, Tenure Security, and Land Rental Market in China  
*Hui Wang, Jeffrey M. Riedinger, and Songqing Jin, Michigan State University*

**T72** The Effects of Market Liberalization and Agricultural Commercialization on Household Food Security in Rural China  
*Katherine R. Baylis, Linlin Fan, and Lia Nogueira, University of Illinois at Urbana-Champaign*

**T73** The Sophistication and Diversification of the African Agricultural Sector: A Product Space Approach  
*Thaddee Badibanga and John M. Ulimwengu, International Food Policy Research Institute*

**T74** Modern Market Channels and Strawberry Farmers in Michoacán, Mexico  
*Julio A. Berdegue, RIMISP; Ricardo A. Hernandez and Thomas A. Reardon, Michigan State University*

**T75** The Survival of Smallholder Farmers in Agricultural Export Markets  
*Aurelie P. Harou, Cornell University; Thomas Walker, World Bank*

**T76** The Impact of Trade Costs on Indonesian Agri-food Sectors: An Interregional CGE Analysis  
*Kathryn A. Boys, Virginia Tech; David Brian Willis and Irlan A. Rum, Clemson University*

**T77** Re-examining the Reported Rates of Return to Agricultural R&D  
*Xudong Rao and Terrance M. Hurley, University of Minnesota; Philip G. Pardey, University of Minnesota; InStePP/University of Adelaide/CSIRO*

## Posters—Tuesday, 2:15 pm–3:45 pm

### Natural Resource Economics

- T78** An Empirical Analysis of the Role of China's Exports on CO<sub>2</sub> Emissions  
*Nyakundi M. Michieka, Jerald J. Fletcher, and Wesley Burnett, West Virginia University*
- T79** Incorporating Spatial and Social Capital Issues into the Environmental Kuznets Curve  
*Steven C. Deller, University of Wisconsin; John M. Halstead, University of New Hampshire; Ashleigh A. Keene, Energy Center of Wisconsin*
- T80** Wildfire Hazards  
*Jude Bayham and Jonathan K. Yoder, Washington State University*
- T81** Centralized vs. Decentralized Biorefinery Configurations for Cellulosic Ethanol: Can We Reconcile Environmental Sustainability and Profitability?  
*Aklesso Egbendewe-Mondzozo, Scott M. Swinton, Bryan Bals, and Bruce E. Dale, Michigan State University*
- T82** Moving Forward with Prior Appropriations Doctrine in Coping with Irrigation Water Shortages  
*Levan Elbakidze, Xiaozhe Shen, and R. Garth Taylor, University of Idaho; Sian Mooney, Boise State University*
- T83** The Impact of Biofuel on Fuel Prices and the Environment in a Multiproduct, Noncompetitive Setup  
*Gal Hochman, Rutgers University; Ella Segev, Ben Gurion University; Geoffrey Barrow and David Zilberman, University of California, Berkeley*
- T84** Flood-induced Migration and Armed Conflict  
*Ramesh Ghimire, Susana Ferreira, and Jeffrey H. Dorfman, University of Georgia*
- T85** A Biophysical Framework for Time-aggregation of Weather in Yield Response Models  
*Ariel Ortiz Bobea, University of Maryland*
- T86** Adoption and Continued Use of Contour Cultivation in the Highlands of Southwest of China  
*Hongmei Liu, Kunming University of Science and Technology; Qiuqiong Huang, University of Minnesota*
- T87** Economics of Controlling Invasive Species: Optimal Control and Stability Analysis of an Ecological-Economic System  
*Morteza Chalak, University of Western Australia; Lia Hemerik, Arjan Ruijs, Wopke Vander Werf, and Ekko C. Van Ierland, Wageningen University*
- T88** Optimal Control of a Stochastic Biological Invasion  
*Morteza Chalak and David J. Pannell, University of Western Australia*
- T89** Using Mathematical Programming to Determine a Carbon Efficient Frontier  
*Rachael M. Brown, Carl R. Dillon, and John K. Schieffer, University of Kentucky*

- T90** Agent's Heterogeneity and Its Role in Changing Land Use Patterns: An Agent Based Model of Potomac River Basin.  
*Nazia Arbab and Alan R. Collins, West Virginia University*
- T91** Point Source Cost Structure and Willingness to Pay for Water Quality Trading  
*Andrew McLaughlin, Wuyang Hu, John K. Schieffer, and Angelos Pagoulatos, University of Kentucky*
- T92** Nitrogen Cycling and Economic Viability of Corn Residue for Energy  
*Juan Pablo Sesmero and Ben Gramig, Purdue University*

### Resource & Environmental Policy Analysis

- T93** Accounting for Transaction Costs in Point/Nonpoint Water Quality Trading Programs in the Chesapeake Bay Watershed  
*Marc O. Ribaud, USDA-Economic Research Service; Laura M. McCann, University of Missouri*
- T94** Impact of the American Recovery and Reinvestment Act on Creating Green Jobs  
*Daegoon Lee, Seong-Hoon Cho, Roland K. Roberts, and Dayton M. Lambert, University of Tennessee*
- T95** Impact of Environmental Policies on the Adoption of Manure Management Practices in the Chesapeake Bay Watershed  
*Jeffrey Savage, and Marc O. Ribaud, USDA-Economic Research Service*
- T96** Effects of Environmental and Energy Policies on Long Run Patterns of Land Use  
*Alla Golub and Thomas W. Hertel, Purdue University; Steven Rose, Electric Power Research Institute*
- T97** Reversing the Property Rights: A Practice-based Trading Approach for Controlling Agricultural Nonpoint-source Water Pollution  
*Sergey S. Rabotyagov, University of Washington; Adriana M. Valcu and Catherine Kling, Iowa State University*
- T98** Should Carbon Sequestration Be Delayed?  
*Xiaohui Tian, The Ohio State University*
- T99** Impact of Innovativeness and Environmental Stewardship on Adoption of Energy Crops  
*Haluk Gedikoglu, Lincoln University of Missouri*
- T100** Agglomeration, Environmental Regulation, and Firms Location Decisions  
*Caiwen Wu and Junjie Wu, Oregon State University*
- T101** Resident and Tourist Preferences for Stormwater Management Strategies in Hawaii with a Cost-Benefit Analysis  
*Jerrold Penn and Wuyang Hu, University of Kentucky; Linda J. Cox and Lara Kozloff, University of Hawaii at Manoa*

## Posters—Tuesday, 2:15 pm–3:45 pm

- T102** Are Pesticide Buffers Expensive? Using Positive Mathematical Programming to Estimate the Cost of Proposed Pesticide Buffers in California  
*Peter H. Howard, Rachael E. Goodhue, and Pierre R. Merel, University of California, Davis*
- T103** Motivational and Design Conflicts in Voluntary Environmental Programs  
*Satish Joshi and Steven R. Miller, Michigan State University; Abdullahi O. Abdulkadri, University of the West Indies; Sandra S. Batie, Michigan State University*
- T104** The Environmental Kuznets Curve—Causality Structures  
*Padmaja Pancharatnam and Ruth A. Aisabokhae, Texas A&M University*
- T105** Green Roof Adoption: Social Optimal vs. Private Optimal  
*Madhur Lamsal and Jeffrey D. Mullen, University of Georgia*
- T106** Spatially-explicit Modeling of the Intensive and Extensive Margins of Land Use in Global Agriculture  
*Nelson B. Villoria, Purdue University*

### Teaching, Communication, & Extension

- T107** Factors Affecting Feeder Cattle Price in Internet Sales  
*Kenneth H. Burdine, Leigh J. Maynard, and Gregory S. Halich, University of Kentucky*
- T108** The Application of Count Regression Models to Improving a Web-based Extension Program  
*Warren Kriesel, University of Georgia*
- T109** Risk Management Needs of Special Audiences of Producers in the South  
*Harold L. Goodwin, Jr., Sandra H. Martini, and Ronald L. Rainey, University of Arkansas*