2013 AAEA & CAES Joint Annual Meeting
Concurrent Sessions
Monday, August 5
2:45 pm – 4:15 pm

Organized Symposium
2:45 pm – 4:15 pm
Marriott Wardman Park, Mezzanine Level, Harding

Priority setting for agricultural research investments requires plausible perspectives on the range of key agricultural variables - from prices to malnourished children. Recent agricultural price developments reported by leading models have ranged from no price increases to 100 percent or more between now and 2050. To understand why, 10 of the world's leading global economic models with substantial agricultural representation have recently completed an outputs comparison exercise under the auspices of the AgMIP project. Presenters in this symposium will present selected results from this comparison, discuss their implications, and future plans.

Presenters:
Sherman Robinson, IFPRI
Gerald Nelson, University of Illinois
Ronald Sands, USDA-ERS
Page Kyle, PNNL

Session 1052: Climate and Environmental Policy
AERE Session
2:45 pm – 4:15 pm
Marriott Wardman Park, Mezzanine Level, Hoover

The Distributional Consequences of Climate Change Mitigation Policies in Developing Countries: Macroeconomic Decomposition Approach
Zeynep Akgul, Purdue University

Climate Change Adaptation: How does Heterogeneity in Adaptation Costs Affect Climate Coalitions?
Itziar Lazkano, University of Wisconsin-Milwaukee; Walid Marrouch, Cirano; Bruno Nkuiya, University of Laval
Border Tax Adjustments versus Punitive Tariffs: Their Composition in Terms of Credibility and Effectiveness in International Environmental Agreements
Zeynep Burcu Irfanoglu, Juan Sesmero, and Alla Golub, Purdue University

Incidences and Environmental Effects of Distortionary Subsidies
Garth Heutel, UNC Greensboro

**Session 1053: Agribusiness Decision Making**
Selected Presentation
2:45 pm – 4:15 pm
*Marriott Wardman Park, Mezzanine Level, Wilson A*

Four different management decisions are highlighted in these papers.

Presentations:
The Effects of Ownership Structure on CEO Pay: Evidence from Member-Owned Firms
*Brent Hueth, University of Wisconsin*

Impact of Board Structure and Process on Cooperative Performance
*Jason Franken, Western Illinois University; Michael Cook, University of Missouri*

Improving Our Understanding of the Conduct and Performance of Cooperative Businesses Using Directed Acyclic Graphs
*Padmaja Pancharatnam and John Park, Texas A&M University*

**Session 1054: Issues and Strategies for Estimation of Demand Models**
Selected Presentation
2:45 pm – 4:15 pm
*Marriott Wardman Park, Mezzanine Level, Wilson B*

The papers in this section explore new and innovative approaches for the estimation and specification of demand system of equations.

Presentations:
The STARs with the GIDDS: Smooth Transition Functions and Structural Change
*Zekarias Hussein and James Eales, Purdue University; Nestor Rodriguez, Texas A&M University*

New Empirical Method to Model Seasonality in Demand Systems: Empirical Evidence from the UK Expenditure Data
*Andres Silva, French National Institute for Agricultural Research; Senarath Dharmasena, Texas A&M University*
Session 1055: Dynamics of Agricultural Prices
Selected Presentation
2:45 pm – 4:15 pm
Marriott Wardman Park, Mezzanine Level, Wilson C

The papers in this section use modern time series methods to explore the dynamics of agricultural prices in several countries.

Presentations:
Semi–Parametric, Generalized Additive Vector Autoregressive Models of Spatial Price Dynamics
Selin Guney, North Carolina State University

Nonlinearities in Regional Rice Prices in the Philippines: Evidence from a Smooth Transition Autoregressive (STAR) Approach
Valerien Pede and Harold Valera, International Rice Research Institute; Andrew McKenzie, University of Arkansas; Mohammad Alam

Co-movement of Price Volatility Among Major Crops
Cornelis Gardebroek, Wageningen University; Manuel Hernandez and Miguel Robles, IFPRI

Stability in Organic Milk Farm Prices: A Comparative Study
Ye Su and Michael Cook, University of Missouri

Session 1056: Experiments on Consumer Preferences for Food and Plant Attributes
Selected Presentation
2:45 pm – 4:15 pm
Marriott Wardman Park, Mezzanine Level, McKinley

This session contains four papers employing field and laboratory experiments to assess consumers’ preferences and willingness to pay for food and plant attributes.

Presentations:
Do ‘Locally Grown’ Claims Influence Food Purchase? Evidence From a Natural Field Experiment
Luisa Menapace, TUM; Roberta Raffaelli, University of Trento
Does Eye Tracking Reveal More About the Effects of Buying Impulsiveness and Intertemporal Tradeoffs on the Green Industry Consumer Choice Behavior?
Hayk Khachatryan, University of Florida; Bridget Behe, Michigan State University; Benjamin Campbell, University of Connecticut; Charlie Hall, Texas A&M University; Chengyan Yue, University of Minnesota; Jennifer Dennis, Purdue University

Consumer Preferences for Apple Quality Traits
Lilian Carrillo-Rodriguez, Rosa Karina Gallardo, Vicki McCracken, Washington State University; Chengyan Yue and James Luby, University of Minnesota; Jim McFerson, WA Tree Fruit Research Commission

Are Consumers Willing To Pay for Grass Fed Beef? A Hypothetical and Non-Hypothetical Comparison
Aaron Adalja, James Hanson, Charles Towe, and Elina Tselepidakis, University of Maryland

Session 1057: International Consumer Markets
Selected Presentation
2:45 pm – 4:15 pm
Marriott Wardman Park, Mezzanine Level, Balcony A

Papers in this session will explore how international food consumers react to market information, incentives and differentiated products.

Presentations:
Comparing Perceptions of Biotechnology in Fresh versus Processed Foods: A Cross-Cultural Study
Hyeyoung Kim and Lisa House, University of Florida

Assessing Korean Consumers’ Valuation for BSE Tested and Country of Origin Labeled Beef Products
Sang Hyeon Lee, Texas A&M University; Ji Yong Lee, Kansas State University; Doo Bong Han, Korea University; Rodolfo Nayga, University of Arkansas

Quality Incentives in Informal Markets: The Case of Ecuadorian Cocoa
Pilar Jano and Brent Hueth, University of Wisconsin

Session 1058: Current Environmental Issues in Farming
Selected Presentation
2:45 pm – 4:15 pm
Marriott Wardman Park, Mezzanine Level, Balcony B
The section starts with a paper on the lessons learned from the environmental service and farm income support programs. The second paper evaluates plant pests in the United States. The third paper assesses production changes due to climate shocks in Africa. The section finishes with a watershed and tillage model analyzing nutrient and sediment loadings into Lake Erie.

Presentations:
US Farmers and Environmental Compliance under Reformed Farm Programs: What can be learned from the EU Experience?
*Amber Remble and Roman Keeney, Purdue University*

Climate Shocks and African Food Prices
*Shun Chonabayashi, Cornell University*

From Farmer Management Decisions to Watershed Environmental Quality: A Spatial Economic Model of Crop Rotation Choices
*Wendong Zhang and Elena Irwin, The Ohio State University*

**Session 1059: Food and Agricultural Policy: Calorie Consumption and Nutrition**
Selected Presentation
2:45 pm – 4:15 pm
*Mariott Wardman Park, Lobby Level, Park 8209*

These presentations analyze a range of issues involving food and nutrition and the link with agricultural policy, in the US and abroad.

Presentations:
Where Does the Effect of Calorie Labeling on Snack Choices Come From? Roles of Two Conflicting Learning Effects
*Satoru Shimokawa, Hong Kong University of Science and Technology*

School Participation in Fresh Fruit and Vegetable Program (FFVP) and Childhood Obesity
*Yiwei Qian, Rodolfo Nayga, and Michael Thomsen, University of Arkansas*

Effects of U.S. Public Agricultural R&D on U.S. Obesity and its Social Costs
*Julian Alston, University of California, Davis; Abigail Okrent, USDA-ERS; Joanna Parks, Food and Drug Administration*

Child Nutrition and Child Growth in Sri Lanka

**Session 1060: Parental and Food Environmental Influences on Health**
Selected Presentation
2:45 pm – 4:15 pm
Marriott Wardman Park, Lobby Level, Park 8212

This session discusses the role of nutrition education in children’s diet. In addition, studies present about the tobacco usage among U.S. youth, visual cues, and the impact of the food environment on children’s health.

Presentations:
The Cost Effectiveness of Educating Limited Resource Youths on Food and Nutrition
Ranju Baral, George Davis, Elena Serrano, Mary McFerren, and Wen You, Virginia Tech

The Effect of Pre-Selection and Visual Cues on Food Item Selection by Middle School Children
Gabrielle Ferro and Sonam Gupta, University of Florida

Effects of Food Source on Child Dietary Quality and Calorie Consumption:
Unconditional Quantile Regression Approach
Travis Smith, University of Minnesota

Factors that Influence the Frequency and Quantity of Tobacco use Among U.S. Youth
Gregory Colson, Scott Shonkwiler, and Xuedong Wu, University of Georgia

Session 1061: Input Use and Crop Choice in Developing Countries
Selected Presentation
2:45 pm – 4:15 pm
Marriott Wardman Park, Lobby Level, Park 8216

Growth in food production per capita in Africa and Southern Asia has lagged behind other developing countries. Stagnant yields and low rates of input use in Africa have been particularly worrying. These papers explore the key factors underlying how farmers in poor countries make decisions about inputs and crops.

Presentations:
Modeling the Impacts of Input Market Reforms on Fertilizer Demand and Maize Production: An Example from Kenya
Megan Sheahan; Thomas Jayne and Joshua Ariga, Michigan State University

Fertilizer Use among Smallholder Farmers in Kenya: The Role of Off-farm Employment
Mary Mathenge and Melinda Smale, Michigan State University

Reconsidering Post Green Revolution Food Choices: New Processing Technologies and Food Security in India
Evan Miller-Tait, Martin Luckert, Sandeep Mohapatra, Brent Swallow, University of Alberta
**Session 1062: Frontiers in Empirical Trade Analysis**

Selected Presentation  
2:45 pm – 4:15 pm  
*Marriott Wardman Park, Lobby Level, Park 8219*

The papers in this session offer advances to empirical approaches used in examining issues related to international trade.

Presentations:
- **A Non-parametric Approach to Modeling Exchange Rate Pass-through in Basic Commodity Markets**  
  *Gulcan Onel, University of Florida; Barry Goodwin, North Carolina State University*

- **A Structural Estimation of Offshoring in the U.S. Labor Market Using Non-Parametric Cubic Spline Method**  
  *Xuan Wei, Michigan State University; Xianwei Meng, University of Wisconsin*

- **Structure and Behavior of Multi-Product Firms: Evidence from India**  
  *Jangho Choi, Oregon State University; Gopinath Munisamy, USDA-ERS*

- **Unconditional Quantile Estimation: An Application to the Gravity Framework**  
  *Alexander Cairns and Alan Ker, University of Guelph*

**Session 1063: Energy Economics**

Selected Presentation  
2:45 pm – 4:15 pm  
*Marriott Wardman Park, Lobby Level, Park 8226*

This session contains papers that address energy topics. Topics include biofuels, crude oil, energy conservation, and the resource curse.

Presentations:
- **Trajectory of Maturity: An Empirical Analysis of US Biofuel Innovations**  
  *Heesun Jang and Xiaodong Du, University of Wisconsin*

- **Is there a Global Relationship Across Crude Oil Benchmarks**  
  *Janelle Mann, University of Manitoba*

- **Measuring the Energy Savings from Tree Shade**  
  *Joseph Maher, University of Maryland*

- **Disentangling the Natural Resource Curse: National and Local Socioeconomic Impacts of Natural Resource Windfalls**  
  *David Fleming, CSIRO*
Session 1064: Climate, Risk, and Agricultural Production
Selected Presentation
2:45 pm – 4:15 pm
*Marriott Wardman Park, Lobby Level, Park 8228*

This session focuses on various aspects of climate and weather risk such as the impact of drought on agricultural production. Other papers examine instruments that can be used to mitigate adverse effects of climate change such as efficient water irrigation systems and best management practices.

Presentations:
The Spatio-temporal Impact of Drought on Local and Regional Feeder Cattle Inventories
*Eric Belasco, Montana State University*

Managing Weather Risk for Cotton in Texas High Plains with Optimal Temporal Allocation of Irrigation Water
*Shyam Sivankutty Nair, Chenggang Wang, Stephan Maas, Thomas Knight, Eduardo Segarra, and Jeffrey Johnson, Texas Tech University; Steven Mauget, USDA-ARS*

U.S. Crop Yields Redux: Weather Effects versus Human Inputs
*Federico Trindade, University of Nebraska*

Adoption of BMPs and Technical Inefficiency in Canadian Canola Production
*Ali Cagdas, Scott Jeffrey, Elwin Smith, and Peter Boxall, University of Alberta*

Session 1065: Economic Efficiency and Uncertainty
Selected Presentation
2:45 pm – 4:15 pm
*Marriott Wardman Park, Lobby Level, Maryland A*

This session examines issues of economic efficiency and uncertainty in agricultural production with applications to dairy farms and cotton ginning.

Presentations:
Dynamic Efficiency Under Uncertainty: An Application to German Dairy Farms
*Christina Wagner, Silke Huettel and Martin Odening, Humboldt-Universität Berlin*

Evaluating the Importance of Multiple Imputations of Missing Data on Stochastic Frontier Analysis Efficiency Measures
*Saleem Shaik, North Dakota State University; Oleksiy Tokovenko, SAS Institute*

A Comparative Efficiency Analysis of Cooperative and Non-cooperative Dairy Manufacturing Firms
*Christopher Kanter and Brent Hueth, University of Wisconsin*
Session 1066: Property Rights Institutions and Natural Resources
Selected Presentation
2:45 pm – 4:15 pm
Marriott Wardman Park, Lobby Level, Maryland B

This session considers the effects of property rights, institutions, and community organizing on sustainable forest management and natural gas exploitation.

Presentations:
Divided Rights, Expanded Conflict: The Impact of Split Estates in Natural Gas Production
*Kofi Nkansah, West Virginia University*

Linking Remote Sensing and Economics: Evaluating the Effectiveness of Protected Areas in Reducing Tropical Deforestation
*Joseph Maher and Xiappeng Song, University of Maryland*

Session 1067: Analyzing and Understanding How Producers Respond to Price Risk in a Global Economy
Selected Presentation
2:45 pm – 4:15 pm
Marriott Wardman Park, Lobby Level, Maryland C

Presentations in this session focus on global food production and the impact of price changes and volatility. Topics include acreage allocation, market linkages between the agricultural and energy markets, and income levels.

Presentations:
Inter- and Intra-annual Global Crop Acreage Response to Prices and Price Risk
*Mekbib Haile and Matthias Kalkuhl, Center for Development Research; Joachim Von Braun, IFPRI*

Marketing Margins and Input Price Uncertainty
*Josh Maples, Ardian Harri, John Michael Riley, and Jesse Tack, Mississippi State University*

Long-term Impacts of Global Food Crisis on Production Decisions: Evidence from Farm Investments in Indonesia
*Manabu Nose and Futoshi Yamauchi, The World Bank*

Agricultural Supply Response to International Prices and Price Volatility and Implications to Global Food Supply
*Matthias Kalkuhl, Center for Development Research*
**Session 1068: Engaging Undergraduate to Graduate Students in Teaching and Research While Meeting the Expectations of their Future Employers**

Selected Presentation  
2:45 pm – 4:15 pm  
*Marriott Wardman Park, Lobby Level, Virginia A*

This session will explore the value of engaging Agricultural Economic students in both education and research activities to that will not only enhance the student’s skills and better suited to the changing employment landscape.

Presentations:  
Engaging Undergraduates in an Interdisciplinary, International Collaboration for Development  
*Janellee Larson, Pennsylvania State University*

The Value of Undergraduate Research  
*Lynn Hamilton, California Polytechnic State University; Leah Greden Mathews, University of North Carolina, Asheville; Richard Grant, California Polytechnic State University*

The Attitudes and Expectations of Graduate Students in Agricultural Economics: A National Survey  
*Jerrod Penn, University of Kentucky; Mikael Sandberg, University of Florida*

Addressing the Needs of the Agribusiness "Fringe"  
*Ronald Larson, Western Michigan University*

**Session 1069: Industry Organizations and Agribusiness Programs**

AEM/TLC Track Session  
2:45 pm – 4:15 pm  
*Marriott Wardman Park, Lobby Level, Virginia B*

Over the past five years, a number of industry associations have begin to engage agro-food undergraduate students in selected universities. The objective is to describe the impact of involvement with industry by highlighting several associations who have created marketing plan competitions, case study competitions, mentoring programs, leadership programs, and similar activities. We will look at National Grocers Association, American Seed Trade Association, Produce Marketing Association, American Seed Trade Association, National Agri-Marketing Association and cooperative education through Ralph Morris Foundation. Endowments have been created by industry to fund these activities.

Organizer:  
*Michael Boland, University of Minnesota*
Presenters:
Allan Gray, Purdue University
Aslihan Spaulding, Illinois State University
Jennifer James, California Polytechnic State University
Michael Boland, University of Minnesota
Robert Harrison, Louisiana State University

Session 1070: Reformed Again: Can the CGIAR Be Better?
INT/IAAE Track Session
2:45 pm – 4:15 pm
Marriott Wardman Park, Mezzanine Level, Johnson

The CGIAR system is undergoing reform for the 3rd time in 15 years and this session is designed to inform our international community of the plans and likely consequences of these reforms. The changes involve funding as well as organizational reforms, and the discussion will include those involved in the design of the reforms, those who implement the changes, and those who observe the change and consequences from external perspectives. Many members of AAEA admire and respect the CGIAR system and all of its accomplishments but are not well informed on the reform plans and possible impacts. The benefit to the profession is to better understand what is transpiring in the system and to have opportunity to participate in discussion of the possible consequences of these reforms. Each panelist will present their own perspective on the CGIAR reforms and the moderator will reserve half the time to engage the panelists and the audience in discussion of the identified issues.

Organizer and Moderator:
Alexander McCalla, University of California, Davis

Presenters:
Jonathan Wadsworth, CGIAR Fund
Prabhu Pingali, Bill & Melinda Gates Foundation
Shenggen Fan, IFPRI
Uma Lele, Independent Scholar

Session 1071: Chinese Producer Decisions
China Section Track Session
2:45 pm – 4:15 pm
Marriott Wardman Park, Mezzanine Level, Taft

The four papers in this session collectively makes a timely contribution to the issues involving Chinese producers. Along with the de-centralization process in China's agriculture, individual farmers' decision making will weigh more in the overall production process. Four areas of production are covered separately in each paper: grain, hog, fish, and fruits.
Session 1072: Shopping with SNAP: Economic and Behavioral Strategies to Encourage Healthier Food Purchases
FSN/IBES Track Session
2:45 pm – 4:15 pm
Marriott Wardman Park, Lobby Level, Nathan Hale

The Healthy Food Financing Initiative and changes in SNAP-ed requirements will likely lead to more opportunities for nutrition outreach directly in grocery stores in low income neighborhoods. This four presentations in the proposed session will explore what is known about the effectiveness of various economic and behavioral economic levers that could be used to encourage healthier food purchases. The first presentation will provide a statistical snapshot of a SNAP shopper. Using data from NHANES and the ERS food atlas, this study will set the stage by presenting basic statistics on SNAP respondents and respondents who live in food deserts, such as use of food labels, shopping frequency, diet quality, diet knowledge etc. The second presentation will explore the effect of the of simple nutrition cues. This presentation will present findings from a study of the effectiveness of the Hannaford Stars Program, with a focus on low-income shoppers. The third presentation will discuss the effect of monetary incentives. The presentation will discuss preliminary findings from The Healthy Incentive Pilot program (HIP) in Hampden County, MA. HIP provides households receiving Supplemental Nutrition Assistance Program (SNAP) benefits with 30 cents of additional benefits for every dollar spent on fruit and vegetables to encourage their purchase and consumption. The fourth presentation will explore the potential efficacy of other behavioral cues that could be used in a grocery store format based on lessons learned from the “Smarter Lunchrooms” work at the Cornell Center for Behavioral Economics in Child Nutrition Programs and other behavioral economic studies.

Organizers:
Lisa Mancino, USDA-ERS  
Joanne Guthrie, USDA-ERS

Discussant:  
Joanne Guthrie, USDA-ERS

Presenters:  
Lisa Mancino, USDA-ERS  
Ilya Rahkovsky, USDA-ERS  
Parke Wilde, Tufts University  
David Just, Cornell University

**Session 1073: Funding Priorities and the Funding Climate**  
Beltway Track Session  
2:45 pm – 4:15 pm  
*Marriott Wardman Park, Lobby Level, Salon 3*

This session offers an opportunity for dialog with Dr. Sonny Ramaswamy, Director of USDA’s NIFA. Dr. Ramaswamy will open the discussion with a brief overview on funding priorities at NIFA. Then principal investigators of two highly impactful NIFA-funded projects will present brief overviews of their ongoing work. Susan Capalbo will describe “Regional Approaches to Climate Change for Pacific Northwest Agriculture,” an interdisciplinary project. Jayson Lusk will describe “The Neuroeconomics of Controversial Food Technologies,” a more disciplinary project. Dr. Ramaswamy then will comment briefly on how these projects fit into NIFA funding priorities and general characteristics of projects where agricultural and applied economists are most likely to play a leading role. The remainder of the session will be devoted to questions and discussion.

Moderator:  
Robert King, University of Minnesota

Presenters:  
Sonny Ramaswamy, USDA-National Institute of Food and Agriculture  
Susan Capalbo, Oregon State University  
Jayson Lusk, Oklahoma State University

**Session 1074: Exploring Local Economic, Environmental and Health Effects of Hydraulic Fracturing**  
Invited Paper Session and Senior Section Track Session  
2:45 pm – 4:15 pm  
*Marriott Wardman Park, Lobby Level, Delaware B*
The three papers presented in this session discuss some of the first large-scale research estimates of specific environmental, health and economic impacts at the local community level where gas production is taking place.

Organizer:
Vernon Eidman, University of Minnesota

Moderator and Discussant:
Jeremy Weber, USDA-ERS

Presenters:
Sheila Olmstead, Resources for the Future
Elaine Hill, Cornell University
Timothy Kelsey, Pennsylvania State University

**Session 1075: Grain Outlook**
Extension Track Session
2:45 pm – 4:15 pm
*Marriott Wardman Park, Lobby Level, Virginia C*

This session will start out with a presentation highlighting the current and near-term situation and outlook of grain commodities. This will be followed by shorter presentations that highlight topics of direct relevance to U.S. grain markets, and a question and answer period.

Organizer:
Chad Hart, Iowa State University

Presenters:
Daniel O'Brien, Kansas State University
Gary Adams, National Cotton Council
Chad Hart, Iowa State University

**Session 1076: New and Emerging Issues in Agricultural Economics & Policy**
CAES Organized Symposium
2:45 pm – 4:15 pm
*Marriott Wardman Park, Lobby Level, Delaware A*

Structured around Ted-style conference sessions, this Organized Symposium will bring together leading and emerging thinkers who explore questions related to the agricultural economics and policy. Speakers will focus on emerging research questions and methods in their respective fields. The dialogue is intended to stimulate new thinking and thinkers in the discipline. No discussants will be used; rather discussion will rely on the audience to participate through Q&A.
Moderator:
Jean-Philippe Gervais, Farm Credit Canada

Presenters:
Alfons Weersink, University of Guelph
Barrett Kirwan, University of Illinois
Julian Alston, University of California, Davis
Murray Fulton, University of Saskatchewan