WESTERN AGRICULTURAL ECONOMICS ASSOCIATION

2019 Western Agricultural Economics Association

Coeur d'Alene, Idaho

June 30 – July 2, 2019

Sunday, June 30	
12:00 p.m. – 5:00 p.m.	Sunday Registration Bay 1A-Hallway
9:00 a.m. – 2:30 p.m.	Western Extension Committee Business Meeting Bay 1A & 1B
3:00 p.m. – 5:00 p.m.	WAEA Council Meeting Bay 2
3:30 p.m. – 8:00 p.m.	Western Extension Committee Poster Display Bay 3
6:00 p.m. – 8:00 p.m.	Sunday Evening Reception - A Taste of Idaho Lakeview Terrace

Monday, July 1:
Breakfast: 7:00 a.m. – 8:30 a.m.
Bay 3

Registration Bay 1A - Hallway
8:00 a.m. – 12 p.m.

Paper Session 1
Monday 8:00 a.m. – 9:30 a.m.

Agricultural Marketing, Demand and Price Analysis	BAY 2
Moderator: Anton Bekkerman, Montana State University	
The Effects of Section 199 on the Basis Offered by Grain Marketing Cooperatives	Anton Bekkerman and Andrew Swanson, Montana State University; Mykel Taylor, Kansas State University
Analysis of the Idaho Hay and Dairy Price Relationship under Structural Change	Patrick Hatzenbuehler, Steven Hines, Joel Packham, Hernan Tejeda, University of Idaho
A Structural Shift in US Hay Production	Brian Herbst, David Anderson, Joe Outlaw, Aleksandre Maisashvil, Texas A&M University; Natalie Graff; Agricultural and Food Policy Center, Texas A&M University
The Role of Quality Characteristics in Pricing Hard Red Winter Wheat	Shane Roberts, Kathleen Brooks, Lia Nogueira, Cory Walters, University of Nebraska-Lincoln

Environmental and Resource Economics	BAY 1A
Moderator: Jeff Reimer, Oregon State University	
An Economic Simulation Model of the Food-Energy-Water Nexus	Jeff Reimer, Oregon State University
Evaluating the Sensitivity of Residential Water Demand Estimation to Model Specification and Instrument Choices	Alexander Maas and Roshan Puri, University of Idaho
Value of irrigated water under a changing weather: a farm level analysis	Federico Trindade; University of Washington Lilyan Fulginiti and Richard Perrin, University of Nebraska-Lincoln

Paper Session and Symposium Session 1 Monday 8:00 – 9:30 a.m.	
International Trade & Development	**BAY 1B**
Moderator: Stephen Devadoss, Texas Tech University	
Climate Shocks and Risk Diversification: A Profit Approach to Pastoralists Decision-Making in Southern Ethiopia.	Anne Timu, University of Nebraska, Lincoln
An Analysis of the Relationship Between Prices and Productivity: A Case of Nutrient- based Subsidy Program in India	Anubrata Deka, University of Nebraska-Lincoln
What Do We Lose Under A Milk Production Quota?: Case Study of South Korea	Yunkyung Lee, University of Nebraska-Lincoln
Trade and FDI Liberalization in the Processed Food Market Under CETA	Stephen Devadoss, Texas Tech University Jeff Luckstead, University of Arkansas

Production Economics & Farm/Ranch Management	**NORTH CAPE BAY**
Moderator: Matthew Diersen, South Dakota State University	
Risk Management Aspects of Farmer Feedlots	Matthew Diersen, South Dakota State University Scott Fausti, California State University Monterey Bay
Exploiting Seasonality in Lamb Prices to Shift Production	Levin Porter and David Anderson, Texas A&M University
Modeling Joint Adoption of Value-Added Cow-Calf Production Practices in Oklahoma	Brian Mulenga, Kellie Raper and Derrell Peel; Oklahoma State University

Graduate Student Paper Competition Session 1	**KIDD ISLAND BAY**
Moderator: Wade Brorsen, Oklahoma State University	
Evaluation of Factors Influencing Agricultural Trade	Blessing Ugwuanyi, Texas Tech University
The Cost of Salinity to Agriculture in the Murray-Darling Basin, Australia	Putri Komala Dara and Jordan Suter, Colorado State University
Model-Free Detection of a Speculative Asset Bubble: Evidence from the World Market for Superstar Wines	Tor Tolhurst, University of California-Davis
Industrial Hemp: The Next American Staple Crop?	Megan Harper, George Knapek and Joe Outlaw, Texas A & M University

Invited Symposium - Western Extension Committee	**BOARD ROOM 5ABC**
Western Dairy Industry Challenges *This symposium will address major issues facing the dairy industry across the Western states. Specifically, we will present and discuss the dairy sector confronting steady low milk prices and market oversupply – including trade adversities, difficulties on labor shortage and undocumented workers, as well as facing increasing environment regulations from a waste management and emissions perspective*.	
Organizer: Hernan Tejeda, University of Idaho	
Presenters: Rick Naerebout, CEO – Idaho Dairymen's Association Shannon Niebergs; Professor, Extension Economist, Washington State University Hernan Tejeda; Assistant Professor, Extension Specialist, Dairy & Livestock Economics, University of Idaho	

Morning Break – West CC Lobby
9:30 a.m. – 10:00 a.m.

Paper Session 2 Monday 10:00 a.m. – 11:30 a.m.	
Agricultural Finance	**BAY 2**
Moderator: Bruce Ahrendsen, University of Arkansas	
Loan Modifications for Beginning Farmers in Financial Distress	Bruce Ahrendsen, University of Arkansas; Charles Dodson, USDA/Farm Service Agency; Scot Burton, University of Arkansas
The Impact of Crop Insurance on Farm Financial Outcomes	Nathan DeLay and Brady Brewer, Purdue University; Allen Featherstone, Kansas State University; David Boussios; USDA- ERS
A Stochastic Financial Analysis of Alternative Levels of Facility Investment Associated with Installing a Robotic Milking System	Dillon Feuz, Utah State University; Ryan Feuz; Oklahoma State University; Allen Young, Utah State University
Extent and Determinants of Financial Inclusion Among Agricultural Producers In Ghana	Fatima Mohammed, Illinois State University

Consumer & Household Economics	**BAY 1A**
Moderator: Mina Hejazi, California State University-Chico	
What Makes Food Label Use Different? A Non-hypothetical Choice Experiment	Sang Hyeon Lee, Kangwon National University
The Importance of Pesticides' Maximum Residue Limits for California Fresh Produce and Tree Nuts Exports	Mina Hejazi, California State University-Chico Jason Grant, Virginia Tech
Estimating Regional Energy Demands with Pre-commitments for the United States	Kannika Duangnate, Senarath Dharmasena and James Mjelde, Texas A&M University
Food-Fuel Expenditure Elasticities and Implications for Food Security in Urban areas of Uganda	Andrew Barkley and Florence Lwiza, Kansas State University

Environmental & Resource Economics	**BAY 1B**
Moderator: Daniel Mooney, Colorado State University	
Adjusting Undesirable Environmental Outputs in Agriculture Productivity in Great Plains	Badri Khanal, Lilyan Fulginiti and Richard Perrin, University of Nebraska-Lincoln
Comparative Profitability of Water-Limited Irrigation Strategies under Risk Aversion	Timothy Kelley, Daniel Mooney, Christopher Goemans, Dale Manning and Allan Andales, Colorado State University
Permian Basin Oil and Gas Development and Regional Water Quality	Haoying Wang, New Mexico Tech
Crowding In and Out Between Public and Private Conservation Agents	James Sanchirico and Bret Stevens; University of California-Davis

Food & Agricultural Policy	**NORTH CAPE BAY**
Moderator: Yeon A Hong, Washington State University	
Sodium-Reducing Impacts of Alternative Labels: Evidence from Online Experiment	Yeon A Hong, Washington State University
Experimental Tests and Implications of Food Manufacturers' Alternative Front-of-Package Nutrition Labeling Practices	Scot Burton and Bruce Ahrendsen, University of Arkansas
Grassland Initiative Impacts for Oklahoma Producers in the 2018 Agricultural Improvement Act	Amy Hagerman, Dayton Lambert and Chellie Hogan, Oklahoma State University
North American Dairy Policy Puzzles: Do the Pieces Fit?	Tristan Hanon and Daniel Sumner, University of California-Davis

Production Economics & Farm/Ranch Management	**KIDD ISLAND BAY**
Moderator: Jon Biermacher, Noble Research Institute, LLC	
Sources of growth across the Great Plains: accounting for environmental variability	Federico Trindade, University of Washington; Lilyan Fulginiti and Richard Perrin, University of Nebraska, Lincoln
Economic Feasibility of Using Switchgrass Pastures for Grazing Rest Rotations & Production of Bioenergy Feedstock	Steve Lira and Jon Biermacher, Noble Research Institute, LLC James Rogers, The Samuel Roberts Noble Foundation, Inc.
Potential Weather Data Anomalies and the USDA's Pasture, Rangeland, and Forage Insurance Program	Ryan Bosworth, Brandon Willis, Chad Van Orden, Tanner McCarty and Ryan Larsen, Utah State University
Economic Potential of Adopting No-Till Establishment Practices and Cover Crops in Winter Wheat Systems Common to Oklahoma	Jon Biermacher and Myriah Johnson; Noble Research Institute, LLC

Paper Session 2
Monday 10:00 a.m. – 11:30 a.m.

Western Extension Committee Selected Presentations	BOARD ROOM 5ABC
Moderator: Kate Painter, University of Idaho	
Use of Convergent Media in Agricultural Policy Extension Programming: A 2018 Farm Bill Application	Amy Hagerman and Ruth Inman, Oklahoma State University
Evaluating Risk Strategies - a module on developing and evaluating risk management strategies in agriculture	John Hewlett, University of Wyoming; Jay Parsons, University of Nebraska - Lincoln; Jeffrey Tranel, Colorado State University
Coordinating Western Extension Drought Management Programs	Ruby Ward and Ryan Larsen, Utah State University
Hands-on Computer Based Financial Training for Beginning Farmers and Ranchers	Ashlee Westerhold, University of Idaho

Graduate Student Paper Competition Session 2	THE SHORE ROOM
Moderator: Wade Brorsen, Oklahoma State University	
Willingness to Pay for Reindeer Meat Attributes: A Niche Market Study in Interior Alaska	Nathaniel Burke, University of Arkansas Joseph Little, University of Alaska-Fairbanks
Measuring the Impact of Transitional Certification and Labeling on Organic Conversion Rates and Organic Price Premiums	Ashley Spalding, University of California-Davis
Revealed Preferences of Food Shopping Environments for Farmers Market Shoppers, Online Respondents, and General Consumers: A Survey Experiment	Elena Chin and Russell Tronstad, University of Arizona
Spatial Equilibrium Analysis of Chinese Tariff on US Cotton Exports	Ethan Sabala, Texas Tech University

LUNCH
Monday 11:45 a.m. – 1:15 p.m.
Bay 3

Keynote Speaker:
Dr. Robert Johansson, Chief Economist, USDA
"Economics at USDA – Past, Present and Future"

Dr. Robert Johansson serves as the Chief Economist at the Department of Agriculture (USDA). He has served in this role since July 2015. As Chief Economist, he is responsible for the Department's agricultural forecasts and projections and for advising the Secretary of Agriculture on economic implications of alternative programs, regulations, and legislative proposals. He is responsible for the Office of the Chief Economist, the World Agricultural Outlook Board, the Office of Risk Assessment and Cost-Benefit analysis, the Climate Change Program Office, the Office of Environmental Markets, the Office of Energy Policy and New Uses, and the Office of Pesticide Management Policy. Dr. Johansson received B.A. in economics from Northwestern University and then served with the U.S. Peace Corps as an extension agent in several African countries from 1990 to 1995. After returning to his home State of Minnesota, he entered the graduate program in Agricultural Economics at the University of Minnesota at received his M.S. in 1997 and Ph.D. in 2000. His research has spanned a wide range of issues, including biofuels policy, water quality and quantity policies, regulatory economics, food security, and regional modeling of agricultural systems.

Paper and Organized Symposium Session 3 Monday 1:30 p.m. – 3:00 p.m.	
WAEA Organized Symposium	**BAY 2**
Risk Management Performance of the CME Feeder Cattle Futures Contract	
Organizers/Moderators: Ted Schroeder and Brian Coffey, Kansas State University	
Overview of CME Feeder Cattle Contracts	Justin Bina, Kansas State University
Limitations & Problems of CME Contracts for Hedgers	Derrell Peel, Oklahoma State University
Industry Perspectives on CMF Feeder Cattle Contract Performance	Brock Hough and Tim Brady, Agri Beef
CME Group Perspectives on Strengths & Challenges of Feeder Cattle Contracts	Fred Seamon, CME Group

Agribusiness	**BAY 1A**
Moderator: Alex Shanoyan, Kansas State University	
Estimating Consumer Preferences for Biochar Using Best and Worst Scaling	Yejun Choi and Dayton Lambert, Oklahoma State University; Kimberly Jensen, Christopher D. Clark, Burton C. English and McKenzie Thomas, University of Tennessee
Input markets, transaction costs and cropping decisions: Evidence from a randomized control trial in Mozambique	Becatien Yao and Aleksan Shanoyan, Kansas State University
The Changing Landscape of California Agriculture: Implications of Increasing Regulatory Costs	Lynn Hamilton and Michael McCullough, Cal Poly Duncan MacEwan; ERA Economics, LLC
Estimating Processors' Willingness to Consider New Business Opportunities: Niche Meat Livestock Production in Colorado	Daniel Mooney, Miles Rollison, Martha Sullins Dawn Thilmany and Becca Jablonski, Colorado State University

Agrimarketing, Demand and Price Analysis	**BAY 1B**
Moderator: Dillon Feuz, Utah State University	
The Relationship of Cattle on Feed Weight Placements and Marketings	Katelyn McCullock and James Robb, Livestock Marketing Information Center
"Udderly" Shocking: Exploring the beef breed and Holstein steer price spread	Melissa McKendree, Michigan State University
Direct Marketing and Preferences for Insurance	Cristina Connolly, Cal Poly
Forecasting Nebraska Feeder Steer Prices Using a Futures Plus Basis Forecast Compared to a Simple Econometric Forecast	Grace Gibbons and Dillon Feuz, Utah State University

International Trade and Development	**NORTH CAPE BAY**
Moderator: Diya Ganguly, University of Nebraska-Lincoln	
The role of Gender in explaining Agricultural Efficiency in India	Diya Ganguly, University of Nebraska-Lincoln
Global Agricultural Value Chains and Structural Transformation	Sunghun Lim, University of Minnesota
The Food Security Implications from GM Maize Adoption in South Africa	Lawton Nalley, University of Arkansas; Jesse Tack, Kansas State University; Aaron Shew, Arkansas State University; Petronella Chaminuka and Zira Mavunganidze, South African Agricultural Research Council
Guatemalan Farmer Perceptions of Best Potato Production Practices: Using Cognitive Mapping	Catherine Chan, University of Hawaii at Manoa; Jacqueline Chan-Dentoni, Themochico; Patricia Laporte and Brent Sipes, University of Hawaii at Manoa; Haddish Melakeberhan, Michigan State University; Amilcar Sanchez and Alfredo Mejia; University of Santa Cruz Guatemala

Production Economics & Farm/Ranch Management	KIDD ISLAND BAY
Moderator: Tim Delbridge, Cal Poly	
Enhancing Productivity in the Agricultural Sector: The Case of Potato Farmers in Western Guatemala	Rupenanda Widanage, University of Hawaii at Manoa/CTAHR Catherine Chan and Brent Sipes; University of Hawaii at Manoa Haddish Melakeberhan, Michigan State University; Amilcar Sanchez and Alfredo Mejia, University of Santa Cruz Guatemala
Economic Impact of Lygus Bugs on California Strawberry Producers	Tim Delbridge; Cal Poly
Effect of increased temperatures on Yield for Robusta Coffee in Uganda	Andrew Barkley and Florence Lwiza, Kansas State University
Economic Analysis of Vegetable Production in the Texas High Plains	Bridget Guerrero, West Texas A&M University Charles Rush and James Gray, Texas A&M AgriLife Research Tanner Robertson, West Texas A&M University

Invited Symposium - Western Extension Committee	BOARD ROOM 5ABC
Blockchain: Implications for Agriculture *This symposium will offer a general introduction what blockchain is and how it might be used to improve transparency through production-wholesale-retail-consumer chain. In addition, it will shed some light on important issues of data ownership, data access, how blockchain might be used to address compliance and verification, offer a two-way information system between producers and consumers, as well as implications for smart contracts and much more.*	
Moderator: Kynda Curtis, Utah State University **Presenters:** Will Secor: CoBank – Denver Rob Jennings: BeefChain.io - Cheyenne, WY	

Various Topics in Agricultural Economics	THE SHORE ROOM
Moderator: Ashley Spalding, University of California-Davis	
Consumer Demand and Marketing Strategies for Locally-Produced Foods: A Retail Labeling Experiment	Ashley Spalding and Kristin Kiesel, University of California-Davis
Fraud on the tip of the tongue: online review manipulations in the restaurant industry	Guang Tian, Liang Lu and Jason Winfree, University of Idaho
Learning to Love Broccoli: The Impact of School-based Interventions on Children's Attitudes, Knowledge and Food Choices	Ashley Spalding and Kristin Kiesel, University of California-Davis
Inadvertent returns through crop insurance contract selection	Sankalp Sharma, Kent State University at Tuscarawas Cory Walters, University of Nebraska-Lincoln

Afternoon Break 3:00 p.m. – 3:30 p.m.
West CC Lobby

Paper and Organized Symposium Session 4
Monday 3:30 p.m. – 5:00 p.m.

WAEA Organized Symposium	BAY 2
Multisectoral Livestock Biosecurity and Surveillance Organizer: Ashley Railey, Washington State University	
Enhancing livestock vaccination decision-making through rapid diagnostic testing	Ashley Railey, Washington State University
Role of Packers & Processors in Livestock Biosecurity Effort	Glynn Tonsor, Kansas State University; Lee Schulz, Iowa State University
Diagnostic testing for anaplasmosis in cattle	Thomas L. Marsh, Washington State University
Discussant	Kamina Johnson, USDA-APHIS

Paper and Organized Symposium Session 4 Monday 3:30 p.m. – 5:00 p.m.	
Consumer & Household Economics	**BAY 1A**
Moderator: Cory Walters, University of Nebraska-Lincoln	
Consumers' Willingness to Pay for Disposable Dinnerware Molded from Wheat Straw	MacKenzie Gill, Kimberly Jensen, Sreedhar Upendram, Niki Labbe and Burton C. English, University of Tennessee; Sam Jackson, Genera Energy Inc.; Dayton Lambert, Oklahoma State University
The Effect of Marketing Discolored Beef on Consumer Preferences for Non-discolored Beef	Ryan Feuz, Bailey Norwood and Ranjith Ramanathan, Oklahoma State University
U.S. consumers' willingness to pay for pork produced with minimal and non-use of antibiotics	Bindu Paudel, Aniruddha Roy and Deepthi Kolady, South Dakota State University
What Credence Production Attributes Do Consumers Prefer? The Case of Milk	Emmanouil Petrakis, Kathleen Brooks and Taro Mieno, University of Nebraska-Lincoln

Community & Regional Economics	**BAY 1B**
Moderator: Unsuspecting Volunteer	
Estimating the Efficiency of Broadband Adoption Using Data Envelopment Analysis: An Application to the State of Texas	Jacob Manlove, Tarleton State University
Do locally-procured items increase fresh fruit and vegetable consumption? Evidence from a Colorado in-school experiment.	Marco Costanigro, Becca Jablonski and Abby Long, Colorado State University; Melissa Prescott, University of Illinois
Good Job, Bad Job: Decomposing Regional Wage Differences Into, Within and Across Sector Components	Philip Watson and Liang Lu, University of Idaho

Environmental & Resource Economics	**NORTH CAPE BAY**
Moderator: Shannon Ferrell, Oklahoma State University	
Second generation biogas market in Mexico	Hector Nunez, Centro de Investigación y Docencia Económicas
Forecasts of U.S. National Park Service Unit Visitation: A Determination of Methods, Sample Selection, and Assessment of Forecast Errors	Stephen Koontz, Colorado State University Christopher Huber, U.S. Geological Survey
Extension Education for Renewable Energy Development of Agricultural Lands	Shannon Ferrell, Oklahoma State University

Quantitative & Research Methods	**KIDD ISLAND BAY**
Moderator: Mark Eiswerth, University of Northern Colorado	
Bayesian Spatial Quantile Model for County Specific Density Estimation in Crop Insurance Rating	Eunchun Park, Mississippi State University; Sunjin Ahn, Oklahoma State University
Climate Change and the Social Cost of Carbon	Mark Eiswerth, University of Northern Colorado; Gerrit van Kooten, University of Victoria
Spatial Differences in the Distributional Impacts of the Federal Crop Insurance	Charalampos Mavroutsikos, Cory Walters and Konstantinos Giannakas, University of Nebraska-Lincoln
A Laboratory Comparison of Risk Mitigation Strategies in Conservation Markets	Kristiana Hansen, Chian Jones Ritten, Amy Nagler and Christopher Bastian, University of Wyoming

Western Extension Committee Selected Presentations	**BOARD ROOM 5ABC**
Moderator: Ryan Larsen	
Beef Prices at Texas Farmers Markets and Retail Outlets.	Rebecca Kirkpatrick, David Anderson and Joe Outlaw, Texas A&M University
Nonlinear Effects of Weather on Cattle Health and Performance	Elliott Dennis, Jesse Tack, Ted Schroeder and Brad White, Kansas State University
Examining Price Differences Between Fed Steers and Heifers	Brogan Horton, David Anderson and Joe Outlaw, Texas A&M University
Economics of Creep Feeding Beef Calves in the Nebraska Sandhills	Devin Broadhead and Matthew Stockton, University of Nebraska

Tuesday, July 2
Breakfast 7:00 – 8:30 a.m., Bay 3

Paper Session and Symposium Session 5
8:00 a.m. – 9:30 a.m.

Agrimarketing, Demand & Price Analysis	THE SHORE ROOM
Moderator: Jo Ann Warner, Washington State University	
Effects of Growing Conditions Variation in India on US Chickpea Prices	Patrick Hatzenbuehler and Xiaoxue Du, University of Idaho; Kathleen Painter, University of Idaho Extension
Is Fresh Produce at Farmers' Markets Really More Expensive?	Karli Salisbury, Kynda Curtis, Veronica Pozo, Ruby Ward and Carrie Durward, Utah State University
San Joaquin Valley Crops Prices on Land Allocation: A Differential Model Panel Data Application	Serhat Asci, California State University-Fresno
Feasibility of a Local Food Center: A Discrete Choice Analysis	Russell Tronstad and Elena Chin, University of Arizona

Community & Regional Economics	BAY 1A
Moderator: Unsuspecting Volunteer	
Are Rural Area Economies Less Diverse? An Evaluation and Comparison of Results from the Pacific Northwest and the Southeast	David Hughes, University of Tennessee David Willis, Clemson University
Impacts of Assessment Methods and Policy Constraints on Ad Valorem Tax Revenues from Wind Energy Projects	DaLacy Dockrey, Shannon Ferrell and Garrett Reed, Oklahoma State University
Political jurisdiction, reputation and urban form: a more complete specification of public service costs	Scott Lieske, University of Queensland Roger Coupal and Don McLeod, University of Wyoming

Experimental & Behavioral Economics/Other Topics	BAY 1B
Moderator: Alexander Maas, University of Idaho	
Other-regarding Behavior when Common Pool Resources Have Tipping Points	Alexander Maas, University of Idaho; Stephan Kroll and Christopher Goemans, Colorado State University; Jason Winfree, University of Idaho
Crime, Money Laundering, and the Seizure of Assets in Illegal Product Markets	Chian Jones Ritten, Christopher Bastian and Owen Phillips, University of Wyoming
Effect of Migrant Workers on Domestic Wage in South Korea: An Analysis with Firm-Level Panel Data	JooHun Han, Oklahoma State University
A Study of the Chinese Retaliatory Tariffs on Tree Nuts and its Impact on Central Valley of California	Srini Konduru and Serhat Asci, California State University-Fresno

Extension & Production Economics	NORTH CAPE BAY
Moderator: Gregory Ibendahl, Kansas State University	
Probability of Successful Farm Transition Strategies Subject to Time, Equity, and Cash Flow Constraints	Garrett Reed, Shannon Ferrell, Rodney Jones and Eric DeVuyst, Oklahoma State University
Predicting Fertilizer Prices	Gregory Ibendahl, Kansas State University
Video Calf Prices in the U.S. West: Location, Risk Management and Other Value Considerations	Stephen R. Koontz, Daniel Mooney, Jason Ahola and Meredith Harrison, Colorado State University

Production Economics & Farm/Ranch Management	KIDD ISLAND BAY
Moderator: Shannon Neibergs, Washington State University	
Farm-Level Implications of adopting BECCS in the Upper Missouri River Basin	Eilish Hanson, Amy Nagler and John Ritten, University of Wyoming
Economic Impact of a Bovine Babesiosis Outbreak	Natalie Graff; Agricultural and Food Policy Center, Texas A&M University; David Anderson, Justin Benavidez, Joe Outlaw and Brian Herbst; Texas A&M University
The Nuts and Bolts of Agricultural Equipment and the Farm Economy	Micah Newton, Joe Outlaw, Henry Bryant, George Knapek, Texas A&M University; J. Raulston; AFPC - Texas A&M University
The role of the sampling distribution of a soil signal for an ex-ante evaluation of precision agriculture	Pedro Queiroz, Richard Perrin and Lilyan Fulginiti, University of Nebraska; Felipe de Figueiredo Silva, University of California-Berkeley

Western Extension Committee Symposium	**BOARD ROOM 5ABC**
Addressing Transition Planning Challenges for Farms and Ranches	
This symposium will address a number of the challenges surrounding the farm transition process along with potential solutions, and will also facilitate dialogue among participants about how members of the teaching, research, and extension communities of practice can engage with farmers and ranchers to enhance the success of transitions.	
Moderator: Ashlee Westerhold ***Presenters:*** **Shannon L. Ferrell**, Professor, Agricultural Law, Oklahoma State University **J.C. Hobbs**, Associate Extension Specialist, Oklahoma State University **Guido van der Hoeven**, Extension Specialist and Senior Lecturer, North Carolina State University	

Tuesday Morning Break 9:30 a.m. – 10:00 a.m.
West CC Lobby

WAEA General Session: 10 a.m. – 11:45 p.m.
The Shore Room

WAEA Business Meeting

2019 WAEA Presidential Address: Christian Bastian, University of Wyoming
"Evolution Toward Private Negotiation as a Dominant Institution in Agribusiness Supply Chains: Implications, Challenges, and Opportunities"

Dr. Christopher Bastian is a professor in the Department of Agricultural and Applied Economics at the University of Wyoming. He served as the Agricultural Marketing Specialist from 1993 to 2005, and delivered extension education to agricultural producers in Wyoming and the West related to commodity marketing, integrated resource management, value-added agriculture and risk management. He currently teaches Farm and Ranch Management, Agribusiness Management, Agricultural Commodities and Futures Markets, and a graduate course titled Advanced Agricultural Market Theory. His scholarly work, appearing in 1 book, 3 book chapters, 78 journal articles, and 88 reviewed outreach/extension publications, has largely focused on production, marketing, risk management, and natural resource issues affecting agricultural producers. He is currently the recipient of the UW College of Agriculture Paul Lowham Professorship, and he has multiple Extension Awards for group programs from the American Agricultural Economics Association and the Western Agricultural Economics Association. He, along with his coauthors, received the WAEA Outstanding Published Research Award in 2014.

WAEA Awards Luncheon
Tuesday 12:00 p.m. – 1:00 p.m.
Bay 3

Western Extension Committee
Agribusiness Field Trip
1:30 p.m. – 8:00 p.m.

Western Extension Committee Poster Session
Sunday, June 30 - Tuesday, July 2
Bay 3

Ag Legacy	John Hewlett, Caleb Cater, Cole Ehmke, University of Wyoming
It Started in the West: Cooperative Effort Addressing Livestock Marketing Outreach and Applied Research	James Robb and Katelyn McCullock, Livestock Marketing Information Center; Lee Schulz, Iowa State University; Scott Brown, University of Missouri; Glynn Tonsor, Kansas State University
Oilseeds, cover crops, pulses, fallow? Maximizing gains while minimizing losses with your choice of rotational crops in 2019	Kathleen Painter, Ken Hart and Doug Finkelnburg, University of Idaho
What's Under Your Feet? Using the Web Soil Survey to learn more about the soil on your farm	Kathleen Painter, University of Idaho Gray Henderson, University of Missouri
Farmer to Farmer Mentoring: Multi-Media Case Studies Build Adaptive Capacity for Producers Across the Inland Pacific Northwest	K. Painter, University of Idaho; G. Yorgey, Center for Sustaining Agriculture and Natural Resources; K. Borelli, Penn State University; D. Roe, Washington State University; E. Brooks, C. Kruger,D. Finkelnburg, University of Idaho; S. Kantor, Center for Sustaining Agriculture and Natural Resources
Reaching Underserved Agricultural Operators in America's West Through A Conference Series	Cole Ehmke, University of Wyoming John Hewlett, University of Wyoming
A Discrete Choice Analysis of Food Shopping Attributes Desired in Yavapai County, AZ	Chin Chia-Yi (Elena), Russell Tronstad and Satheesh Aradhyula, University of Arizona
Ag Help Wanted	John P. Hewlett, University of Wyoming Jeffrey E. Tranel, Colorado State University Trent Teegerstrom, University of Arizona
Enterprising Rural Families	John P. Hewlett, Randolph R. Weigel and William R. Taylor, University of Wyoming
RIGHTRISK	John P. Hewlett, University of Wyoming Jay Parsons, University of Nebraska - Lincoln Jeffrey E. Tranel, Colorado State University
Growers' Needs Assessment Data and Research & Extension Programming in San Diego County, California	Ramiro E. Lobo, Vikram Koundinya, Janis Gonzales and Wei Qing Xu, University of California -Davis
A Computer Decision Tool for the Irrigated Pasture Investment Decision	Miles Rollison, Daniel Mooney, Marshall Fraiser, Joe Brummer and Ryan Rhoades, Colorado State University

Hope to see you in Santa Fe!

2020 WAEA Annual Meeting

LaFonda on the Plaza

Santa Fe, New Mexico

June 28-30, 2020

WESTERN AGRICULTURAL ECONOMICS ASSOCIATION

2019 Awards Program

Coeur d'Alene, Idaho

June 30 - July 2

2019 WAEA Awards Ceremony

Welcome ..... Lynn Hamilton, President

WAEA Award Presentations: Cory Walter, Award Co-Chair

Outstanding Undergraduate Teaching Awards
Outstanding Extension Program Awards
Outstanding Published Research Award
Outstanding Graduate Paper or M.S. Thesis Award
Graduate Student Paper Competition - Wade Brorsen
JARE Awards – Anton Bekkerman
WAEA Fellow Awards – Randy Fortenbery

Outstanding Undergraduate Teaching Award, Less Than 10 Years' Experience:

Amanda Countryman, Colorado State University

Outstanding Undergraduate Teaching Award More Than 10 Years' Experience:

Brian Adam, Oklahoma State University

Outstanding Extension Program Awards for Project:

Matt Stockton, Daran Rudnick and Chuck Burr; University of Nebraska-Lincoln's Testing Agricultural Performance Solutions (TAPS) Program

Outstanding Extension Career Award:

John Hewlett, University of Wyoming

Outstanding Published Research Award

Nathan Hendricks, Kansas State University, for "Potential Benefits from Innovations to Reduce Heat and Water Stress in Agriculture," *Journal of the Association of Environmental and Resource Economists* vol. 5, no. 3 (July 2018): 545-576.

Special Thanks to Award Committee Chairs and Members

Karina Gallardo and Cory Walters, Award Program Co-Chairs

Outstanding Undergraduate Teaching Awards

Kate Brooks (chair), University of Nebraska-Lincoln
Kerry Litzenberg, Texas A&M University
Bridget Guerrero, West Texas A&M University
Mike McCullough, Cal Poly San Luis Obispo
James Sterns, Oregon State University

Outstanding Extension Program Awards

Shannon Ferrell (chair), Oklahoma State University
Committee of four who remain anonymous

Outstanding Published Research Award

Konstantinos Giannakas (chair), University of Nebraska-Lincoln
Hayley Chouinard, Colorado State University
John Crespi, Iowa State University
Murray Fulton, University of Saskatchewan
Karina Schoengold, University of Nebraska-Lincoln

Outstanding Graduate Paper or M.S. Thesis

Eric Belasco (chair) Montana State University
Matthew Elliott, South Dakota State University
Joshua Berning, Colorado State University

JARE Award – Outstanding Journal Article

Jeffrey Peterson, University of Minnesota
Hikaru Peterson, University of Minnesota
Tian Xia, Kansas State University
David Lambert, Kansas State University

JARE Award – Outstanding Reviewers

Anton Bekkerman, Montana State University
Dragan Miljkovic, North Dakota State University
Darren Hudson, Texas Tech University
Richard Woodward, Texas A & M University

WAEA Fellow Awards

Randy Fortenbery (chair) Washington State University
Gary Brester, Montana State University (Emeritus), WAEA Fellow
Jim Mjelde, Texas A&M University, WAEA Fellow
Shida Henneberry, Oklahoma State University, WAEA Fellow

Outstanding Seniors

Justin Bina, Kansas State University

Izaac Alexander Ornelas, University of California-Davis

Haley Dallas, Colorado State University

Julie Whatmough, Oregon State University

Britton Bentz, University of Wyoming

Mary Nicole Kurzweil, Oklahoma State University

Jillian Raycraft, Cal Poly San Luis Obispo

Bryce Bott, Montana State University

Michael Walsh, Montana State University

Austin Rivera, University of Arizona

Nathan Bell, University of Saskatchewan

Nathan Choat, University of Nebraska-Lincoln

Outstanding Graduate Paper/M.S. Thesis Award:

Thomas Gumbley, Montana State University. "Price Relationships in the U.S. Nitrogen Fertilizer Industry"

Advisor: Anton Bekkerman, Montana State University

Shou Wang, University of Alberta. "Productivity and Technology Adoption in the Alberta Forest Sector"

Advisor: Henry An, University of Alberta

Graduate Student Paper Competition Awards:

JARE Outstanding Journal Article Award:

Gregmar Galinato and Yeon A Hong. (2018) "Tobacco Education Program Spending and Tobacco Use among Adolescents" *Journal of Agricultural and Resource Economics* 43(3): 321-345.

JARE Outstanding Journal Reviewer Award, 7 or fewer Years of Experience:

Cory Walters, University of Nebraska-Lincoln
Christopher Gustafson, University of Nebraska-Lincoln

JARE Outstanding Journal Reviewer Award, More than 7 Years of Experience:

Levan Elbakidze, West Virginia University

WAEA Fellow Awards

Thomas Marsh is a Professor, School of Economic Sciences & Paul G. Allen School for Global Animal Health at **Washington State University**. Dr. Marsh's research, specializing in the economics of food safety and plant and animal health, is highly ranked and frequently cited. He has collaborated on 45 grants totaling over $40 million of funds, and received the WAEA 2017 Outstanding Published Research Award. His teaching and mentoring have won awards at both Kansas State University and WSU. He served WAEA as president in 2014-15, and his many service roles include two terms on the Editorial Council for JARE and AJAE associate editor.

Jill McCluskey is a Distinguished Professor of Sustainability at **Washington State University**. Her major research contributions include issues related to food quality and product reputation; the economics of eco-labels and consumer preferences for new technology. She has published more than 100 journal articles and has more than 5600 citations on Google Scholar. Graduate students seek her out as an advisor; to date she has chaired 37 Ph.D. and 22 M.S. thesis committees. Dr. McCluskey has a long history of service to WAEA and to the profession, serving on the WAEA Council and Board in numerous capacities. She was also elected as AAEA President for 2015-16 and was named a fellow of the AAEA in 2018.

Christopher McIntosh is Professor and Department Head of the Department of Agricultural Economics and Rural Sociology at the **University of Idaho**. He has published 50 journal articles, chaired 14 graduate students' committees, and has collaborated on 22 competitive grants that totaled in excess of $25 million. Since moving to the University of Idaho from the University of Georgia in 1999, his focus has been on interdisciplinary research addressing problems in production agriculture. Dr. McIntosh is also an outstanding teacher, having won 11 awards at two different universities over his career for superior teaching. He also served several terms on the WAEA Council and chaired the Awards Program in 2008. He served on the WAEA board of directors for a three-year term in 2010.

Congratulations to the 2019 WAEA Fellows!

Past WAEA Fellows

Julian M. Alston, University of California, Davis
DeeVon Bailey, Utah State University
Andrew Barkley, Kansas State University
David A. Bessler, Texas A&M University
Steven C. Blank, Virginia Tech
Michael Boland, University of Minnesota
Gary W. Brester, Montana State University
Wade Brorsen, Oklahoma State University
Susan Capalbo, Oregon State University
Oral Capps, Jr., Texas A&M University
Harold O. Carter, University of California Davis
Ken Casavant, Washington State University
Bonnie G. Colby, University of Arizona
Stephen Devadoss, University of Idaho
Francis Epplin, Oklahoma State University
E. Bruce Godfrey, Utah State University
Chennat Gopalakrishnan, University of Hawaii
Tom Harris, University of Nevada-Reno
Shida R. Henneberry, Oklahoma State University
Dana Hoag, Colorado State University
Richard E. Howitt, University of California, Davis
Warren E. Johnston, University of California, Davis
Richard Just, University of Maryland
Ronald D. Lacewell, Texas A&M University
Jeffrey T. LaFrance, Monash University
F. Larry Leistritz, North Dakota State University
Kerry K. Litzenberg, Texas A&M University
John Loomis, Colorado State University
Jason Lusk, Purdue University
Alex F. McCalla, University of California, Davis
Bruce McCarl, Texas A&M University
Vicki McCracken, Washington State University
Dale Menkhaus, University of Wyoming
Ron Mittelhammer, Washington State University
GianCarlo Moschini, Iowa State University
A. Gene Nelson, Texas A&M University
Joe Outlaw, Texas A&M University
Gordon Rausser, University of California, Berkeley
James W. Richardson, Texas A&M University
Ted Schroeder, Kansas State University
Rich Sexton, University of California, Davis
J. Scott Shonkwiler, University of Nevada-Reno
Richard Shumway, Washington State University
Vincent H. Smith, Montana State University
Dawn Thilmany, Colorado State University
Michele M. Veeman, University of Alberta
Cement E. Ward, Oklahoma State University
Myles J. Watts, Montana State University
Bruce Weber, Oregon State University
Norman K. Whittlesey, Washington State University
Paul Wilson, University of Arizona
Robert A. Young, Colorado State University
Doug Young, Washington State University