

2020

**AGRICULTURAL ECONOMICS
STAFF, PROGRAMS, AND PUBLICATIONS**

KANSAS STATE UNIVERSITY

**February 2021
Staff Paper No. 21-01**



**Compiled by the Department of Agricultural Economics
342 Waters Hall, 1603 Old Claflin Place
Kansas State University, Manhattan, Kansas 66506-4011**

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Publications and public meetings by the Department of Agricultural Economics are available and open to the public regardless of race, sex, national origin, disability, religion, age, sexual orientation, or other non-merit reasons.

PREFACE

This publication lists the academic staff for 2020, courses taught in 2020, awards, and articles authored by Agricultural Economics faculty, staff, and graduate students working on projects funded through the Department of Agricultural Economics. The articles were published between January 1, 2020 and December 31, 2020. Copies of articles may be obtained from the Department of Agricultural Economics, 342 Waters Hall, 1603 Old Claflin Place, Kansas State University, Manhattan, KS 66506-4011.

Allen M. Featherstone
Professor & Department Head

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ACADEMIC STAFF, 2020

FACULTY Name	Title	Subject Area	Appointment tenths ^a		
			T	R	E
Vincent Amanor-Boadu	Professor	Agribusiness	3.5	2	4.5
Andrew P. Barkley	Professor	Policy	4	6	0
Jason S. Bergtold	Professor	Production/ Econometrics	6	4	0
Brian C. Briggeman	Professor	Agribusiness, Finance	2	1	7
Logan L. Britton	Assistant Professor	Agribusiness, Consumer Demand Price Analysis & Marketing	8	2	0
Brian K. Coffey	Associate Professor	Agricultural Finance	8	2	0
Timothy J. Dalton	Professor	International Ag. Develop. (Administration) Sorghum and Millet Innovation Lab Director			
Allen M. Featherstone	Professor and Department Head	Finance	2.5	4	3.5
Barry L. Flinchbaugh ^d	Professor	Policy	1.5	0	.5
Terry W. Griffin	Associate Professor	Precision Agriculture	0	2	8
Gregg L. Hadley	Associate Professor Associate Director	Labor, Farm Management (Administration) Ag., Natural Resources & Community Development			
Keith D. Harris	Associate Professor	Agribusiness	8	2	0
Nathan P. Hendricks	Professor	Ag. & Environmental Policy	4	6	0
Gregory A. Ibendahl	Associate Professor	Farm Management	1.5	2	6.5
Jennifer E. Ifft	Associate Professor	Ag Policy, Crop Insurance, Ag Finance	2	8	0
Joseph P. Janzen ^c	Assistant Professor	Grain Marketing, Commodity Futures	4	6	0
Sarah A. Janzen ^c	Assistant Professor	International Development	4	6	0
John C. Leatherman	Professor	Local Government	0	0	10
David E. Lehman	Instructor	Marketing	10	0	0

^a T, R, E – Teaching, Research, and Extension, respectively.

^b Retired in 2020.

^c Resigned in 2020.

^d Passed away in 2020.

ACADEMIC STAFF, 2020 (continued)

FACULTY Name	Title	Subject Area	Appointment tenths ^a		
			T	R	E
Nina K. Lilja	Professor Director of International Agricultural Programs				
			(Administration)		
Daniel M. O'Brien	Professor	Grain Marketing	0	0	10
Dustin L. Pendell	Professor	Livestock & Anim. Health	2	4	4
Edward D. Perry	Assistant Professor	Industrial Organization	4	6	0
Gabriel S. Sampson	Assistant Professor	Natural Resource Mgmt.	4	6	0
Ted C. Schroeder	Professor	Livestock Marketing	2	8	0
Benjamin B. Schwab	Associate Professor	Ag. Development & Health	5	5	0
Aleksan Shanoyan	Associate Professor	Agribusiness	6	4	0
Jesse B. Tack	Associate Professor	Ag. Prod./Risk Mgmt.	4	6	0
Mykel R. Taylor ^c	Associate Professor	Farm Mgmt./Crop Mktg.	0	2	8
Glynn T. Tonsor	Professor	Livestock Marketing	0	2	8
Nelson B. Villoria	Associate Professor	Global Food & Land	4	6	0
Christine A. Wilson ^c	Professor	Finance	8	2	0
Tian Xia	Professor	Applied Econometrics	4	6	0
Elizabeth A. Yeager	Associate Professor	Agribusiness, Farm Mgmt.	7	3	0
Jisang Yu	Assistant Professor	Risk Mgmt./Farm Policy	4	6	0

RESEARCH ASSISTANT PROFESSORS

Billy B. Golden	Res. Asst. Professor	Water/Environment/Risk	0	10	0
Kara L. Ross	Res. Asst. Professor	Agribusiness	0	10	0
Yacob A. Zereyesus ^c	Res. Assoc. Professor	International Development	0	10	0

^a T, R, E – Teaching, Research, and Extension, respectively.

^b Retired in 2020.

^c Resigned in 2020.

^d Passed away in 2020.

ACADEMIC STAFF, 2020 (continued)

INSTRUCTIONAL STAFF

Roger McEowen	Instructor	Agricultural Law and Economics
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EXTENSION STAFF

Seleise L. Barrett	Extension Assistant	Arthur Capper Cooperative Center
Mark A. Dikeman	Associate Director	Kansas Farm Management Association
Kevin L. Herbel	Executive Director	Kansas Farm Management Association
Duane M. Hund	Extension Assistant	Farm Analyst
Xianghong Li, Ph.D.	Extension Assistant	Land Use Value
Richard V. Llewelyn, Ph.D.	Extension Assistant	Agricultural Economics Extension
Roberta (Robin) M. Reid	Extension Associate	Agricultural Economics Extension
Leah J. Tsoodle, Ph.D.	Extension Associate	Land Use Value
Monte L. Vandever, Ph.D. ^c	Extension Agricultural Economist	Southwest Research Extension

SUPPORT STAFF

Judy L. Duryee	Agricultural Economics Program Coordinator & Graduate Student Coordinator
Mary J. Emerson-Bowen	Masters of Agribusiness (MAB) Communications & Marketing Specialist
Deana L. Foster	Office Specialist I
Cesar A. Guvele	Research Manager, Grant Specialist
Cherie L. Hodgson	Academic Services Coordinator
Mary L. Huninghake	Office Specialist II
Deborah L. Kohl	Masters of Agribusiness (MAB) Academic Services Coordinator
Amy A. Schmitz	Business Manager
Terry Teske	Computer/Systems Specialist
Emily Warriner	Risk Management Program Coordinator
Mary J. Winnie	Office Specialist III
Carla K. Woodyard	Office Specialist II

^a T, R, E – Teaching, Research, and Extension, respectively.

^b Retired in 2020.

^c Resigned in 2020.

^d Passed away in 2020.

COURSES TAUGHT IN 2020

(MAB) = Masters in Agribusiness courses

<u>Course Number and Title</u>	<u>Instructor</u>
105 - Agricultural Economics & Agribusiness Orientation	Yeager
115 - Agricultural Economics Decision Tools	Shear/Atilola/Ofori/Perez/Tsiboe
120 - Agricultural Economics & Agribusiness	Bergtold/ Schwab/Perry
121 - Honors Agricultural Economics & Agribusiness	Bergtold
202 - Small Business Operation	Britton
308 - Farm & Ranch Management	Yeager
315 - Contemporary Issues in Global Food & Agricultural Systems	Hendricks
318 - Food & Agribusiness Management	Harris/Shanoyan
410 - Agricultural Policy	Flinchbaugh
420 - Commodity Futures	Yeager/J. Janzen
441 - Transfer Orientation	Hodgson
445 - Agribusiness Internship	Hodgson
450 - Agricultural Economics & Agribusiness Problems	Featherstone
470 - Cooperative Management	Briggeman
500 - Production Economics	Coffey
501 - Data Analysis and Optimization	Pendell/Bergtold
505 - Agricultural Market Structures	Barkley
513 - Agricultural Finance	Briggeman/Britton
515 - Food & Agribusiness Marketing	Lehman
516 - Ag Law & Economics	McEowen
520 - Market Fundamentals & Futures/Options Trading	Coffey
525 - Natural Resource & Environmental Economics	Sampson
535 - Agricultural Sales	Lehman
550 - Undergraduate Research in Agricultural Economics	Featherstone
560 - Data Analytics for Agricultural Economics	Zereyesus
570 - Food Manufacturing, Distribution and Retailing	Amanor-Boadu/Ross
598 - Farm Management Strategies	Ibendahl
599 - Food & Agribusiness Management Strategy	Harris/ Shanoyan
605 - Price Analysis & Forecasting	Llewelyn
610 - Current Ag & Natural Resource Policy Issues	Tack
615 - Global Agricultural Development	Schwab
623 - International Agricultural Trade	Xia
632 - Agribusiness Logistics	Harris
680 - Risk Management	Yu
700 - Applied Agribusiness Economics (MAB)	Barkley
701 - Introduction to Computer Decision Tools for Agribusiness (MAB)	Yeager
710 - Comparative Food & Agriculture Systems (& MAB)	Featherstone
712 - Linear Programming Applications in Agricultural Economics	Yeager
713 - Agribusiness Financial Management (MAB)	Featherstone
720 - Agribusiness Risk Management (MAB)	Featherstone/Taylor
730 - Applied Agribusiness Logistics (MAB)	Harris
740 - Seminar in Agricultural Economics Analysis (MAB)	Featherstone
750 - Problems/Topic/Agricultural Economics (MAB)	Featherstone
751 - Risk Management Fellows Seminar	Schroeder
760 - Econometrics in Agribusiness (MAB)	Yu
761 - Optimization Techniques for Agribusiness (MAB)	Bergtold
770 - International Agribusiness & Policy Analysis (MAB)	Perry
805 - Agricultural Marketing	Schroeder
810 - Price/Income Policy Agriculture	Hendricks
823 - Production Economics II	Dalton
825 - Natural Resource Policy	Sampson
840 - International Markets and Trade	Villoria
880 - Agribusiness Industry Structures	Shanoyan
899 - Agricultural Economics Masters Research (& MAB)	Featherstone
901 - Research Methods in Economics	Amanor-Boadu
905 - Agricultural Demand & Commodity Marketing	Xia
923 - Economics of Agricultural Production	Tack
936 - Quantitative Topics/Agricultural Economics	Bergtold/Griffin/Hendricks/Xia
955 - Discrete Choice Methods	Hendricks
999 - Agricultural Economics Ph.D. Research	Featherstone

GRADUATE STUDENT ACCOMPLISHMENTS

This lists the annual accomplishments in the areas of 1) peer-reviewed journal publications, 2) professional presentations & other publications, and 3) awards, honors and leadership positions for the graduate students in the Department of Agricultural Economics. Those names listed in **bold** are Kansas State University Agricultural Economics Graduate Students.

AWARDS, HONORS & LEADERSHIP

Arnold, Chelsea. Co-Chair Student Affairs Committee, Graduate Student Council, 2020-2021.

Brand, Devin. Treasurer, Graduate Student Council, 2020-2021.

Brand, Devin and Bailey Hinkle. Graduate Student Case Study Competition, 1st Place, Agricultural and Applied Economics Association Virtual Meeting, August 1-4, 2020.

Cameron-Harp, Micah. 2021 NRES Graduate Fellowship Awardee, Natural Resources and Environmental Sciences, Kansas State University.

Ekong, Olabisi. Treasurer, Graduate Student Council, 2019-2020.

Hinkle, Bailey. Secretary, Graduate Student Council, 2020-2021.

Ofori-Bah, Catherine Obiribea. General Secretary, African Student Union, 2019-2020.

Ofori-Bah, Catherine Obiribea. President, African Student Union, 2020-2021.

Shear, Hannah E. President, Graduate Student Council, 2020-2021.

Shear, Hannah E. Arts, Humanities & Social Sciences Small Grant Program Award, 2021.

Shear, Hannah E. Robert Nunemacher Scholarship, Kansas State University, 2020-2021.

Shear, Hannah E. Faculty Senate, Graduate Senator, Kansas State University, 2020-2021.

Shear, Hannah E. University Budget Review Panel, Kansas State University, 2020-2021.

Shear, Hannah E. Search Committee for Dean of Graduate School/Vice Provost for Graduate Education Search Committee, 2020-2021.

Shear, Hannah E. Committee on Women in Agricultural Economics, Communications Committee, Agricultural and Applied Economics Association Virtual Meeting, 2020.

Shear, Hannah E. Graduate Student Leadership Development Program, Kansas State University, Spring 2020.

Shear, Hannah E. Teaching and Learning Center Professional Development Certificate, Kansas State University, May 2020.

Shear, Hannah E. Professional Development Certificate, Graduate Student Council, Kansas State University, April 2020.

Thomas, Raymond. Graduate Student Vice President, Minorities in Agriculture Natural Resources and Related Sciences, 2019-2020.

BOOKS AND BOOK CHAPTERS

Dalton, T.J. and **Manzamasso Hodjo.** “Trends in Production, Consumption and Utilization of Sorghum.” In Sorghum in the 21st Century: Food-Fodder-Fuel for a Rapidly Changing World. Singapore: Springer Nature, 2020.

PEER-REVIEWED JOURNAL ARTICLES PUBLISHED/ACCEPTED IN CURRENT YEAR

Clymer, Amanda, B.C. Briggeman, and J.C. Leatherman. “Estimating the Value of Local Ownership to a State’s Economy: The Case of Kansas Farmer Cooperatives.” *Journal of Cooperatives* 35(2020):1-39.

Ebert, K., B. Hoch, **Hannah Taylor,** and B.B. Schwab. “From the Ground Up: A Look at Kansas’ First Year of Industrial Hemp Production.” *Western Economics Forum* 18(2020)2.

Kang, Munsu, B.B. Schwab, and J. Yu. “Gender Differences in the Relationship between Land Ownership and Managerial Rights: Implications for Intrahousehold Farm Labor Allocation.” *World Development* 125(2020):104669.

Moon, Donghyun and G.T. Tonsor. “How do *E. coli* Recalls Impact Cattle and Beef Prices?” *Journal of Agricultural and Resource Economics* 45(January 2020)1:92-106.

Ofori, Eric, T.W. Griffin, and E.A. Yeager. “Duration Analyses of Precision Agriculture Technology Adoption: What’s Influencing Farmers’ Time-to-Adoption Decisions?” *Agricultural Finance Review* 80(5 May 2020)5:647-664.

Shear, Hannah E. “A Commentary on Extension Education Programming: An Overview of the CattleTrace Extension Program and Graduate Extension Education.” *Applied Economics Teaching Resources* 2(October 2020). doi: 10.22004/ag.econ.307150
https://www.aaea.org/UserFiles/file/AETR_2020_033ProofFinal_v4.pdf

Shear, Hannah E. and D.L. Pendell. “Economic Cost of Traceability in U.S. Beef Production.” *Frontiers in Animal Science: Product Quality* 1(December 17, 2020)552386:1-6. doi: 10.3389/fanim.2020.552386.

PROFESSIONAL PRESENTATIONS

Al-Sudani, Amer, G.S. Sampson, and J.S. Bergtold. “Local Irrigation Response to Ethanol Production in the High Plains Aquifer.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.

Arnold, Chelsea, M.R. Taylor, and J. Yu. “The Effects of Irrigation Restrictions on Land Values and Rental Rates in Northwest Kansas.” *Proceedings of the 52nd Southern Agricultural Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.

Bowman, Whitney L., D.L. Pendell, and B.K. Coffey. “The Impact of Specialization on Farm Financial Performance.” *Western Agricultural Economics Association Virtual Meeting*, June 29-July 1, 2020.

Hisson, Claudia and G.T. Tonsor. “Economic Aspects of Limit-Feeding.” *Kansas State Beef Stocker Virtual Field Day*, October 1, 2020.

Hobbs Jr., Lonnie and A. Shanoyan. “Customer Perception and Marketing Strategies in Pet Food: Analysis of Online Customer Review Data.” *Western Agricultural Economics Association Virtual Meeting*, June 29-July 1, 2020.

Hobbs Jr., Lonnie, A. Shanoyan, and G. Aldrich. “Analysis of Consumer Perception of Pet Food Attributes.” *Annual Pet Food Forum Connect Virtual Meeting*, September 9-10 and 15-17, 2020.

Kurzweil, Mary and N.P. Hendricks. “Economic Losses from ARC/PLC Election Choices in the 2014 Farm Bill.” *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 10-14, 2020.

Lwiza, Florence and A.P. Barkley. “Weather Variability, Wealth, and Labor Mobility.” *Southern Agricultural Economics Association Annual Meeting*, Ph.D. Student Job Market Paper Competition, Second Place, Louisville, KY, February 1-4, 2020.

Miller, Noah J., M.R. Taylor, J.B. Tack, and J.S. Bergtold. “Forecasting Winter Wheat Basis with Soil Moisture Measurements.” *NCC- 134: Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, St. Louis, MO, April 20-21, 2020.

Ofori, Eric M., T. Xia, and F. Tsiboe. “Imported Rice and Local Rice Substitutability in Ghana.” *Southern Agricultural Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.

- Ofori, Eric M.,** E.A. Yeager, and B.C. Briggeman. “Agricultural Cooperative Mergers and Efficiency Gains: An Ex-Ante Analysis.” Selected Paper, *Southern Agricultural Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.
- Ofori, Eric M.,** E.A. Yeager, and B.C. Briggeman. “Agricultural Cooperatives Mergers and Efficiency Gains: An Ex-ante Analysis.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Perez-Quesada, Gabriela,** N.P. Hendricks, and D.R. Steward. “Quantifying the Economic Costs of High Plains Aquifer Depletion.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Rahman, Kazi Tamim,** A. Shanoyan, and V. Hovhannisyan. “Pre-Committed Demand for Food in Bangladesh: Implications for Agri-Food Industry Stakeholders.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Shear, Hannah E.** and D.L. Pendell. “Animal Identification and Disease Traceability in the United States: Market Impacts and Implications.” *Southern Agriculture and Applied Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.
- Shear, Hannah E.,** D.L. Pendell, and R. Nehring. “Assessing Efficiency of U.S. Cow-Calf Operations: Kansas.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Shear, Hannah E.,** D.L. Pendell, and R. Nehring. “Assessing Efficiency of U.S. Cow-Calf Operations: Kansas.” *Agricultural Economics Research Symposium*, Kansas State University, August 12, 2020.
- Shear, Hannah E.,** D.L. Pendell, and R. Nehring. “Assessing Efficiency of U.S. Cow-Calf Operations: Kansas.” *Virtual Job Market Showcase, Agriculture and Applied Economics Association*, August 20, 2020.
- Tack, J.B. and **Francis Tsiboe.** “Utilizing Topographic and Soil Features to Improve Rating for Farm-Level Insurance Products.” *Agricultural and Applied Economics Association Virtual Meeting*, Applied Risk Analysis Graduate Student Lightning Session, August 10-11, 2020.
- Wendt, Jody,** B.C. Briggeman, and J. van Rooyen. “Cooperative Growth in the Agri-Food Value Chain: The Case of SSK Cooperative.” *International Food and Agribusiness Management Association*, Virtual Annual Meeting, September 22-24, 2020.
- Wendt, Jody** and J.C. Leatherman. “An Improved Assessment of Agriculture’s Economic Contribution to the Kansas Economy.” *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 10-14, 2020.

PROFESSIONAL POSTER PRESENTATIONS

- Cameron-Harp, Micah.** “Towards Resilience: Investigating the Impact of Endgun Removal on Irrigation in Kansas.” *National Science Foundation Research Traineeship (NRT) Annual Meeting*, January 28-29, 2021.
- Ekong, Olabisi.** “Climate Change Impacts on Agriculture: Evidence from Global Agricultural Productivity.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Lee, Juhee** and N.P. Hendricks. “Irrigation Decisions in Response to Groundwater Salinity in Kansas.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Parker, Emily.** “How Cost Effective Are Government Grants in Manure Management - A Policy Analysis of AgSTAR, an EPA Program.” *Research and the State Poster Virtual Competition*, Kansas State University, October 23, 2020.
- Ofori, Eric, Francis Tsiboe,** and Tian Xia. “Imported and Local Rice Substitutability in Ghana.” Presented at *Southern Agricultural Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.
- Shear, Hannah E.,** D.L. Pendell, C.K. Aherin, and B. White. “Where’s the Beef? The Cost of Traceability.” *Research and the State Poster Virtual Competition*, Kansas State University, October 23, 2020.

OTHER PUBLICATIONS

- Briggeman, B.C. and **Gerald Mashange.** “Rising Equity and Retained Earnings for U.S. Farmer Cooperatives.” *ACCC Fact Sheet Series - Paper #15*, December 22, 2020.
- Hissong, Claudia,** G.T. Tonsor, and D. Blasi. “Limit-Feeding Stockers.” www.AgManager.info/livestock-meat/production-economics/limit-feeding-stockers. September 16, 2020.
- Eden, Michaela** and G.T. Tonsor. “The Impact of Premiums on Stall-Free Pork at the Restaurant Level.” www.AgManager.info/, August 4, 2020.
- Janzen, J.P. and **Bryn Swearingen.** “Changes in U.S. Grain Storage Capacity.” *farmdoc daily* (10):204, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 25, 2020.

GRADUATE STUDENTS TEACHING

Atilola, Bolanle. AGECE 115 Decision Tools Agricultural Economics/Agribusiness, Fall 2020.

Ofori, Eric. AGECE 115 Decision Tools Agricultural Economics/Agribusiness, Fall 2020.

Perez-Quesada, Gabriela. AGECE 115 Decision Tools Agricultural Economics/Agribusiness, Fall 2020.

Nalunga, Asha. AGECE 115 Decision Tools Agricultural Economics/Agribusiness, Fall 2020.

Shear, Hannah E. AGECE 115 Decision Tools Agricultural Economics/Agribusiness, Spring 2020.

MAB, M.S. THESES, AND Ph.D. DISSERTATIONS

Adaku, Abigail. “Farmers’ Motivation for Participation in Inter-Organizational Relationships in Ghana.” Major Professor: Vincent Amanor-Boadu. Ph.D. Dissertation, 2020.

Allison, Shayna. “A Herd Health and Cost Savings Analysis for the Hyperimmunization of Sheep in Polyclonal Antibody Production.” Major Professor: Aleksan Shanoyan. MAB Thesis, 2020.

Al-Sudani, Amer. “Essays on Land Use Modeling and Water Scarcity.” Major Professors: Jason Bergtold and Gabriel Sampson. Ph.D. Dissertation, 2020.

Andersen, Megan. “Managing Mycotoxins in On Farm Swine Feeds in the Northeastern U.S.” Major Professor: Daniel O’Brien. MAB Thesis, 2020.

Basham, Will. “Dairy-Beef Decisions.” Major Professor: Jason Bergtold. MAB Thesis, 2020.

Bina, Justin. “Essays on Futures Contracts as a Feeder Cattle Price Risk Management Tool.” Major Professor: Ted Schroeder. M.S. Thesis, 2020.

Blair-Fontinelle, Gabriel. “Ex-ante and Ex-post Effects of Price Limits in Commodity Futures Market.” Major Professor: Joseph Janzen. M.S. Thesis, 2020.

Bliss, Ashley. “Comparing Income over Feed Costs in a Protein Premium Market.” Major Professor: Allen Featherstone. MAB Thesis, 2020.

Branco, Lenai (Mull). “Do Farm Demographics Influence the Type of Communication They Prefer?” Major Professor: Aleksan Shanoyan. MAB Thesis, 2020.

- Brence, Meghan.** “Economic Implications of Intensive Early Stocking on Feeder Cattle Prices and Land Values in the Flint Hills.” Major Professor: Glynn Tonsor. M.S. Thesis, 2020.
- Brookover, Elena.** “Price Discovery in Cattle and Measuring Market Thinness.” Major Professor: Brian Coffey. M.S. Thesis, 2020.
- Carter Fayers, Elizabeth.** “Analysis of Drivers and Constraints in the Kansas Grape and Wine Industry.” Major Professor: Aleksan Shanoyan. M.S. Thesis, 2020.
- Contreras, Sandra.** “Women’s Empowerment and Allocation of Time.” Major Professor: Timothy Dalton. Ph.D. Dissertation, 2020.
- Feldt, Scott.** “The Feasibility of a Centralized Production Facility.” Major Professor: Keith Harris. MAB Thesis, 2020.
- Gilmore, Larry.** “Take a Chinese Agricultural Company Public in the United States: The Case of Yongye.” Major Professor: Vincent Amanor-Boadu. MAB Thesis, 2020.
- Hisson, Claudia.** “Profitability and Adoption of Limit Feeding During the Stocker Phase.” Major Professor: Glynn Tonsor. M.S. Thesis, 2020.
- Hobert, Randy.** “Public Comment on the U.S. Army Corps of Engineers’ Interim Report for the Texas Resiliency Study: A Hedonic Regression Analysis of Tax Appraised Land Market Values.” Major Professor: Allen Featherstone. MAB Thesis, 2020.
- Hodjo, Manzamasso.** “Essays on Agricultural Productivity and Welfare Impact of Food Price Change in Africa.” Major Professor: Timothy Dalton. Ph.D. Dissertation, 2020.
- Horn, Kevin.** “A Feasibility Study of Building Shuttle Unit Train Shipment Capability at an Upper Mississippi River Barge Terminal to Transport Grain to Pacific Northwest Export Terminals.” Major Professor: Keith Harris. MAB Thesis, 2020.
- Hunsaker, J.D.** “Economics of Calf Grower Operations in Relation to Dairy-Source Day-Old Calf Price and Feedlot Economic Outcomes.” Major Professor: Dustin Pendell. MAB Thesis, 2020.
- Jun, Minyoung.** “Coffee and Maize in Uganda: Prices, Value Addition and Profitability.” Major Professor: Vincent Amanor-Boadu. Ph.D. Dissertation, 2020.
- Jung, Young.** “Characteristics Influencing the Historical Performance of U.S. Mutual Funds.” Major Professor: Allen Featherstone. MAB Thesis, 2020.
- Kang, Munsu.** “Three Essays on Agricultural Household Labor in Developing Countries.” Major Professor: Benjamin Schwab. Ph.D. Dissertation, 2020.

- Laird, Tori.** “Impact of Uganda’s National Land Policy on Women’s Ownership, Control, and Decision-Making Rights over Agricultural Land Holdings.” Major Professor: Sarah Janzen. M.S. Thesis, 2020.
- Lee, Juhee.** “Essays on Economics of Salinity in Irrigated Agriculture.” Major Professor: Nathan Hendricks. Ph.D. Dissertation, 2020.
- Lwiza, Florence.** “Economic Evaluation of Responses to Weather-Induced Risks in Uganda.” Major Professor: Andrew Barkley. Ph.D. Dissertation, 2020.
- Mallika, Patalee.** “Essays on Weather Changes and U.S. Cattle Industry.” Major Professor: Glynn Tonsor. Ph.D. Dissertation, 2020.
- Merritt, Mindi.** “Effect of Hurricanes on Cotton Yield and Output in Georgia and Texas.” Major Professor: Vincent Amanor-Boadu. MAB Thesis, 2020.
- Miller, Noah.** “Essays in Yield Modeling and Basis Price Forecasting.” Major Professors: Jesse Tack and Jason Bergtold. Ph.D. Dissertation, 2020.
- Mgbike, Kingsley.** “Foil Scrap Reduction: Continuous Improvement in the Foil Processing Industry.” Major Professor: Keith Harris. MAB Thesis, 2020.
- Mitchell, James.** “Three Essays on Livestock Biosecurity and Traceability.” Major Professor: Glynn Tonsor. Ph.D. Dissertation, 2020.
- Moon, Donghyun.** “Essays on Attribute Inattention Choice Behavior.” Major Professor: Glynn Tonsor. Ph.D. Dissertation, 2020.
- Mzyece, Agness.** “The Strategic Value of Crop Diversification in Zambia.” Major Professor: Vincent Amanor-Boadu. Ph.D. Dissertation, 2020.
- Newlin, Dustin.** “Profitability of Utilizing Blended Soybean Seed in Kansas.” Major Professor: Richard Llewelyn. MAB Thesis, 2020.
- Ofori-Bah, Catherine Obiribea.** “U.S. Firms Performance during Recessions: A Comparative Case Study.” Major Professor: Vincent Amanor-Boadu. M.S. Thesis, 2020.
- Okupa, Henry.** “Cybersecurity and the Future of Agri-food Sector.” Major Professor: Vincent Amanor-Boadu. MAB Thesis, 2020.
- Rahman, Kazi Tamim.** “Essays on Food Demand and Supply in Bangladesh.” Major Professor: Aleksan Shanoyan. Ph.D. Dissertation, 2020.
- Stander, Christina.** “Equity Retirement and Other Determinants Impact on Return on Equity in U.S. Local Farm Supply and Grain Marketing Cooperatives.” Major Professor: Brian Briggeman. M.S. Thesis, 2020.

Stickel, Erin. “Organic Cropland in the United States, is Perceived Value Reality?” Major Professor: Elizabeth Yeager. MAB Thesis, 2020.

Stutzman, Amy. “A Meta-Analysis of Willingness to Pay for Local Beef.” Major Professor: Vincent Amanor-Boadu. MAB Thesis, 2020.

Swartz, Brad. “Determining the Impact of Semolina Extraction Rate with Low Hard Vitreous Kernel Durum Wheat.” Major Professor: Daniel O’Brien. MAB Thesis, 2020.

Thomas, Raymond. “The Impact of Market Shocks on the Wheat Industry: An Examination of Supply Chain Responsiveness Measures.” Major Professor: Keith Harris. M.S. Thesis, 2020.

INTERNSHIPS BY GRADUATE STUDENTS

Biram, Hunter. United States Department of Agriculture, Economic Research Service.

Ha, Sang Su. Bayer Crop Science, St. Louis, MO. July-October 2020.

EMPLOYMENT & POSTGRADUATE OFFERS ACCEPTED BY GRADUATES & ABD DOCTORAL STUDENTS

Adaku, Abigail. Lecturer, Department of Agricultural Economics and Business, University of Ghana.

Al-Sudani, Amer. Post-Doc, Louisiana State University.

Bina, Justin. Ph.D. Student, Kansas State University.

Blair Fontinelle, Gabriel. INTL-FCStone.

Bowman, Whitney. Commodity Research & Hedging Analyst, Smithfield Foods.

Brence, Meghan. Relationship Manager, Northwest Farm Credit Services.

Contreras, Sandra. Economics Instructor, Georgia Military College, Milledgeville, GA.

Hissong, Claudia. Public Policy Implementation Coordinator, Kansas Farm Bureau.

Hodjo, Manzamasso. Post-Doc Fellow, Feed the Future Innovation Lab, Kansas State University.

Jun, Minyoung. Visiting Professor, Kyunghee University, Suwon, Korea.

Kang, Munsu. Associate Research Fellow, Africa and Middle East Team Korea Institute for International Economic Policy (KIEP).

Laird, Tori. Economist, Kansas Department of Agriculture, Manhattan, KS.

Lee, Juhee. Postdoctoral Scholar, School of Public Policy, University of California, Riverside.

Lwiza, Florence. Lecturer, Makerere University, Uganda.

Mallika, Patalee. Post-Doc, University of Kentucky.

Miller, Noah. Ag Economist, United States Department of Agriculture, Economic Research Service.

Mitchell, James. Assistant Professor, Arkansas State University.

Moon, Donghyun. Associate Research Fellow, Africa and Middle East Team Korea Institute for International Economic Policy (KIEP).

Myzyece, Agness. Lecturer, Iowa Wesleyan University.

Ofori-Bah, Catherine. Ph.D. Student, Kansas State University.

Rahman, Kazi Tamim. Professor & Head, Department of Agricultural Economics, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Bangladesh.

Thomas, Raymond. Ph.D. Student, Kansas State University.

FACULTY and STAFF AWARDS

Barkley, Andrew. International Educator of the Year. *Kansas State University*, Office of International Programs, 2020.

Barkley, Andrew, and Florence Lwiza. Ph.D. Student Job Market Paper Competition, Second Place, “Weather Variability, Wealth, and Labor Mobility.” *Southern Agricultural Economics Association Annual Meeting*, February 1-4, 2020.

Ifft, Jennifer, and Jing Yi. Outstanding Research Award, *Agricultural and Applied Economics Association Virtual Meeting*, Agricultural Finance and Management Section, August 10-11, 2020.

Perry, Ed. Quality of Research Discovery Award, *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.

Schwab, Benjamin. *International Public Use Microdata Series* Research Award: Best Published Research in Global Health for “Can Food Safety Shortfalls Disrupt ‘Ag for Nutrition’ Gains?” 2020.

Shanoyan, Aleksan. Excellence in College and University Teaching in Food and Agricultural Sciences Regional Award, *United States Department of Agriculture*, 2020.

Tonsor, Glynn. Communicator of the Year Award, *K-State Research and Extension*, 2020.

Villoria, Nelson. Quality of Research Discovery Award Honorable Mention, *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.

AgManager.info PAPERS/PRESENTATIONS

Briggeman, B.C. “Economics of Agriculture during the COVID-19 Pandemic: A Series of Online Gatherings – Macroeconomic Update.” www.AgManager.info/, March 2020.

Briggeman, B.C. “Federal Reserve’s Response to COVID-19 and Implications for Agriculture.” www.AgManager.info/, March 2020.

Briggeman, B.C. “Economics of Agriculture during the COVID-19 Pandemic: A Series of Online Gatherings – Government Stimulus Programs for Ag Producers and Co-ops.” www.AgManager.info/, April 2020.

Briggeman, B.C. “Virtual Roundtable on the Small Business Administration (SBA) Paycheck Protection Program (PPP).” www.AgManager.info/, April 2020.

Coffey, B.K. “Open Interest in the CME Live Cattle Futures Contract.” www.AgManager.info/, April 20, 2020.

Coffey, B.K. “Hedging Kansas Live Cattle: Summary of Outcomes over the Past 10 Years.” www.AgManager.info/, July 10, 2020.

Featherstone, A.M. “The Global Agricultural Landscape – Feeding More than 9 Billion People, Part a.” www.AgManager.info/, June 11, 2020.

Featherstone, A.M. “The Global Agricultural Landscape – Feeding More than 9 Billion People, Part b.” www.AgManager.info/, June 18, 2020.

Featherstone, A.M. “Supply and Future Supply Potential in the Americas.” www.AgManager.info/, June 25, 2020.

Featherstone, A.M., J. Featherstone, and J. Maddock. “Analysis of the IHME COVID-19 Forecasting Model – June 16th Update.” www.AgManager.info/, June 17, 2020.

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Featherstone, A.M., J. Featherstone, and J. Maddock. “Analysis of the IHME COVID-19 Forecasting Model – July 21st Update.” www.AgManager.info/, July 23, 2020.

Featherstone, A.M., J. Featherstone, and J. Maddock. “Analysis of the IHME COVID-19 Forecasting Model – July 28th Update.” www.AgManager.info/, August 3, 2020.

Featherstone, A.M. and J. Maddock. “Ex-Post Analysis of the IHME COVID-19 Forecasting Model.” www.AgManager.info/, April 7, 2020.

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Featherstone, A.M., J. Maddock, and J. Featherstone. “Analysis of the IHME COVID-19 Forecasting Model – May 26th Update.” www.AgManager.info/, May 27, 2020.

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Featherstone, A.M., and G. Mashange. “A Dynamic View of World Population Growth 1950 – 2100.” www.AgManager.info/, June 4, 2020.

Featherstone, A.M. and L.J. Tsoodle. “Agricultural Landlord Net Income under Alternative Tax Computation Methods.” www.AgManager.info/, February 13, 2020.

Griffin, T.W. “Kansas Days Suitable for Fieldwork - Weekly Update, R and RShiny.” www.AgManager.info/, August 19, 2020.

Griffin, T.W. “Agriculturalists’ Use of Precision Agriculture Technology and Reliance on Mobile Devices.” www.AgManager.info/, October 22, 2020.

Griffin, T.W. “Beta - Cotton Harvester Machinery and Acreage Decision Tool - Cotton Inc., R and RShiny.” www.AgManager.info/, 2020.

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Herbel, K.L. and M.A. Dikeman. “Executive Summary: KFMA 2019 Profitlink Analysis.” www.AgManager.info/, May 9, 2020.

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- Ibendahl, G.A. “Crop Budget and Leasing Tool.” www.AgManager.info/, December 10, 2020.
- Ibendahl, G.A., A.M. Featherstone, and K.L. Herbel. “A Preliminary Estimate of 2019 Enterprise Profitability.” www.AgManager.info/, February 6, 2020.
- Ibendahl, G.A. and T.W. Griffin. “Machinery Cost Calculator.” www.AgManager.info/, July 7, 2020.
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- Li, X. and L.J. Tsoodle. “Kansas Custom Rates 2020.” www.AgManager.info/, June 2020.
- Li, X. and L.J. Tsoodle. “2020 Non-Irrigated Crop Leasing Arrangements in Kansas.” www.AgManager.info/, November 2020.
- Llewelyn, R.V. “Grain Supply and Demand: WASDE.” Charts and historical data, www.AgManager.info/, updated monthly, 2020.
- Llewelyn, R.V. “Projections and Sources of MYA Prices for ARC and PLC Commodity Programs for 2019/2020 and 2020/2021.” www.AgManager.info/, updated monthly December 2020-December 2021.
- Llewelyn, R.V. and G.A. Barnaby. “MYA Price Estimates Updated for ARC and PLC Commodity Programs.” www.AgManager.info/, 2020.

- Maddock, J., A.M. Featherstone, and J. Featherstone. “Analysis of the IHME COVID-19 Forecasting Model – April 28th Update.” www.AgManager.info/, April 28, 2020.
- Maddock, J., A.M. Featherstone, and J. Featherstone. “Analysis of the IHME COVID-19 Forecasting Model – May 12th Update.” www.AgManager.info/, May 13, 2020.
- Mashange, G. and A.M. Featherstone. “The Global Wheat Market.” www.AgManager.info/, August 24, 2020.
- O’Brien, D.M. “Grain Market Situation and Outlook.” www.AgManager.info/, January-December 2020.
- O’Brien, D.M. “Weekly Grain Market Commentary.” www.AgManager.info/, January-December 2020.
- O’Brien, D.M. “K-State Ethanol & Biodiesel Market Presentations.” www.Agmanager.info/, January-December 2020.
- O’Brien, D.M. and various authors. “KSU Farm Management Guide Crop and Livestock Production Cost-Return Budgets.” www.AgManager.info/, 2020.
- Plummer, E.C., A.A. Poston, M.A. Dikeman, and K.L. Herbel. “An Overview of Tax Related Provisions for Agricultural Producers in Recent COVID-19 Legislation.” www.AgManager.info/, April 4, 2020.
- Reid, R.M. and K.L. Herbel. “Financial Benchmarking to Assess a Farm’s Financial Position in a Struggling Agricultural Economy.” www.AgManager.info/, June 11, 2020.
- Reid, R.M., K.L. Herbel, and A.M. Featherstone. “Summary of Health Care Costs on Kansas Farm Management Association Farm 2010-2019.” www.AgManager.info/, October 19, 2020.
- Taylor, M.R. and A.M. Featherstone. “The Kansas Farm Economy: Navigating Rough Waters.” www.AgManager.info/, January 21, 2020.
- Taylor, M.R. and R.M. Reid. “Kansas Agricultural Land Values and Trends 2019.” www.AgManager.info/, April 16, 2020.
- Tonsor, G.T. “Domestic Beef, Pork, and Chicken Demand Indices.” Monthly reports, www.AgManager.info/, 2020.
- Tonsor, G.T. “Export Beef, Pork, and Broiler Demand Indices.” Monthly reports, www.AgManager.info/, 2020.
- Tonsor, G.T. “Fed Cattle Finishing Historical and Projected Returns.” Monthly reports, www.AgManager.info/, 2020.

- Tonsor, G.T. “Big Picture Look: Coronavirus Impact on Beef-Cattle Industry.” www.AgManager.info/, March 17, 2020.
- Tonsor, G.T. “Big Picture Look: Coronavirus Impact on Pork-Swine Industry.” www.AgManager.info/, March 17, 2020.
- Tonsor, G.T. “Economics of Agriculture during the COVID-19 Pandemic: A Series of Online Gatherings, Livestock Markets.” www.AgManager.info/, April 9, 2020.
- Tonsor, G.T. “Beef-Cattle Sector Thoughts.” www.AgManager.info/, April 16, 2020.
- Tonsor, G.T. “Kansas State Livestock Farm Management Guides.” *Beef*: Cow-Calf, Background, Stocker, and Finishing with R.M. Reid and K-State Beef Team; *Swine*: Farrow-Finish, Farrow-Wean, Wean-Finish, Nursery, and Finishing with R.M. Reid and K-State Swine Team; and *Dairy* with R.M. Reid, www.AgManager.info/, 2020.
- Tonsor, G.T. “Meat Demand Monitor.” Monthly, Special Reports: March 26, 2020; May 12, 2020; November 16, 2020; and Multi-Month Summary Reports, www.AgManager.info/, July 27, 2020.

BOOKS AND BOOK CHAPTERS

- Barkley, A.P. and P.W. Barkley. Principles of Agricultural Economics, 3rd Edition. Oxford, UK: Routledge. Companion Website: www.routledge.com/cw/barkley, 2020.
- Barnard, F.L., J.C. Foltz, E.A. Yeager, and B.E. Brewer. Agribusiness Management, Sixth Edition. London: Routledge. ISBN-13:978-0367341930, 2020.
- Bergtold, J.S., J. Gaskin, K. Iversen, G. Hawkins, and R.L. Raper. “Introduction to Conservation Tillage Systems.” In J.S. Bergtold and M. Sailus, (eds.) Conservation Tillage Systems in the Southeast: Production, Profitability and Stewardship. (pp. 9-18) College Park, MD: USDA, Sustainable Agriculture Research and Education, 2020.
- Bergtold, J.S. and M. Sailus. Conservation Tillage Systems in the Southeast: Production, Profitability and Stewardship. College Park, MD: USDA, Sustainable Agriculture Research and Education. Available at: <https://www.sare.org/Learning-Center/Books/Conservation-Tillage-Systems-in-the-Southeast>, 2020.
- Bergtold, J.S., A. Smith, M. Lamb, and L. Duzy. “Conservation Economics: Budgeting, Cover Crops and Government Programs.” In J.S. Bergtold and M. Sailus, (eds.) Conservation Tillage Systems in the Southeast: Production, Profitability and Stewardship. (pp. 204-218) College Park, MD: USDA, Sustainable Agriculture Research and Education, 2020.

- Dalton, T.J. and M. Hodjo. “Trends in Production, Consumption and Utilization of Sorghum.” In Sorghum in the 21st Century: Food-Fodder-Feed-Fuel for a Rapidly Changing World. Singapore: Springer Nature, 2020.
- Dorcas, D.H. and J.S. Bergtold. “Conservation Tillage Systems: History, the Future and Benefits.” In J.S. Bergtold and M. Sailus, (eds.) Conservation Tillage Systems in the Southeast: Production, Profitability and Stewardship. (pp. 19-28) College Park, MD: USDA, Sustainable Agriculture Research and Education, 2020.
- Tonapi, V.A., H.S. Talwar, A.K. Are, B.V. Bhat, C.R. Reddy, and T.J. Dalton, (eds.) Sorghum in the 21st Century: Food-Fodder-Feed-Fuel for a Rapidly Changing World. Singapore: Springer Nature, 2020.
- Tonapi, V.A., H.S. Talwar, A.K. Are, B.V. Bhat, C.R. Reddy, and T.J. Dalton. “Sorghum in the Twenty-First Century and Beyond: Perspectives, Prospects, Strategies and a Way Forward.” In Sorghum in the 21st Century: Food-Fodder-Feed-Fuel for a Rapidly Changing World. Singapore: Springer Nature, 2020.
- Tonsor, G.T. and L.L. Schulz. “COVID-19 Impacts on the Meat Processing Sector.” In Economic Impacts of COVID-19 on Food and Agricultural Markets. CAST Commentary, 2020.

EXTENSION PRESENTATIONS

- Briggeman, B.C. “Kansas Cooperative Landscape and KSU Cooperative Financial Benchmarking Tool – Alliance Ag.” *Alliance Ag & Grain Strategic Planning Meeting*, Mulvane, KS, January 2020.
- Briggeman, B.C. “Kansas Cooperative Landscape and KSU Cooperative Financial Benchmarking Tool – Skyland Cooperative.” *Skyland Grain, LLC Strategic Planning Meeting*, Manhattan, KS, January 2020.
- Briggeman, B.C. “KSU Cooperative Financial Benchmarking Tool for CoBank Relationship Managers.” *CoBank Grain and Feed Supply Center of Excellence Annual Meeting*, Minneapolis, MN, January 2020.
- Briggeman, B.C. “KSU Cooperative Financial Benchmarking Tool – Sublette Cooperative.” *Sublette Cooperative Strategic Planning Meeting*, Wichita, KS, January 2020.
- Briggeman, B.C. “Value of Cooperatives.” *Mid Kansas Cooperative Emerging Producer Program*, Manhattan, KS, January 2020.
- Briggeman, B.C. “Cooperative Academy: Merchandising.” *Kansas Cooperative Council*, Manhattan, KS, February 2020.
- Briggeman, B.C. “KSU Cooperative Benchmarking Tool – Garden City Cooperative.” *Garden City Cooperative Board of Directors Virtual Meeting*, Garden City, KS, March 2020.

- Briggeman, B.C. "Equity Management Options." *Cooperative Grain and Supply Virtual Board Meeting*, Bazine, KS, April 2020.
- Briggeman, B.C. "Co-ops 101 for Cooperative Interns." *Kansas Cooperative Council Virtual Meeting*, May 2020.
- Briggeman, B.C. "U.S. Agriculture Outlook." *Absa Group Limited in South Africa Virtual Meeting*, May 2020.
- Briggeman, B.C. "Methods for Distributing Income in a Grain Alliance." *CoMark Equity Alliance Virtual Meeting*, June 2020.
- Briggeman, B.C. "Are Farmer Cooperatives Transitioning from Cost Minimizers to Profit Maximizers?" *Texas Agricultural Cooperative Council's Lunch and Learn Virtual Program*, July 2020.
- Briggeman, B.C. "Cooperative Finance." *Kansas Cooperative Council's Co-op Academy*, Wichita, KS, July 2020.
- Briggeman, B.C. "Patronage and Equity." *Key Cooperative's Strategic Planning Session*, Grinnell, IA, July 2020.
- Briggeman, B.C. "DuPont Profitability Model." *Syngenta Agribusiness Accelerator Program*, Virtual Presentation, September 2020.
- Briggeman, B.C. "Financial Drivers for U.S. Agriculture." *Syngenta Agribusiness Accelerator Program*, Virtual Presentation, September 2020.
- Briggeman, B.C. "Agricultural Credit Markets in the United States." *Ukrainian Farmland Reform Summit*, Virtual Presentation, October 2020.
- Briggeman, B.C. "Agricultural and Interest Rate Outlook: What it Means for Co-ops." *Mid America Cooperative Council Webinar Virtual Meeting*, November 2020.
- Briggeman, B.C. "Financial Outlook for Farmer Cooperatives." *GROWMARK Emerging Leaders Program*, West Lafayette, IN, November 2020.
- Briggeman, B.C. "Understanding Equity Options." *Kansas Cooperative Council Board Chair School*, Dodge City, KS, November 2020.
- Featherstone, A.M. "The Farm Financial Situation." *Agricultural Agent Update*, Salina, KS, December 17, 2020.
- Griffin, T.W. "Precision Agriculture Technology Adoption by Generations." *Kansas Ag Technologies Conference*, Junction City, KS, January 16-17, 2020.

- Griffin, T.W. “Return on Investment for Precision Agriculture Technologies: Dispelling Ag Technology Myths.” *Precision Ag Action Summit*, Jamestown, ND, January 20, 2020.
- Griffin, T.W. “Farm Economics and Profitability: Precision Agriculture.” Nebraska Ag Technologies Association, *Nebraska Crop Management Conference*, Kearney, NE, January 22-23, 2020.
- Griffin, T.W. “Role of Variable Rate Technology in Fertilizer Usage. The Past, Present, and Future of the U.S. Nitrogen Fertilizer Industry.” *Montana State University*, Bozeman, MT, February 7, 2020.
- Griffin, T.W. “Demystifying Distributed Ledger Technology for Precision Agriculture.” *Student Board Oklahoma Ag Credit*, Stillwater, OK, February 21, 2020.
- Griffin, T.W. “What is Ag Data and How Can We Capture Value from It?” *Value of Your Ag Data (and How to Capture It) Meeting*, Sabetha, KS, February 26, 2020.
- Griffin, T.W. “Ag Technology across Generations.” *Accounting and Technology Conference*, Kansas State University, October 23, 2020.
- Griffin, T.W. “Ag Technology across Generations.” *Mid-Atlantic Crop Management School*, Ocean City, MD, November 16, 2020.
- Griffin, T.W. “Ag Technology across Generations.” *MU Crop Management Agenda Virtual Meeting*, December 1, 2020.
- Griffin, T.W. “Ag Technology across Generations, 2020 Crop Production Update.” *Kansas Agribusiness Retailers Association Virtual Meeting*, December 2, 2020.
- Griffin, T.W. “Ag Technology across Generations.” *Department of Agricultural Economics Agent Update*, Salina, KS, December 17, 2020.
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- Ibendahl, G.A. and D.M. O’Brien. “New 2021 KSU Crop Budgets, Machinery Cost Tool and Lease Tool.” *Agricultural Economics Agent Update Training*, Salina, KS, December 17, 2020.
- Ifft, J.E. “Non-Traditional Finance – Trends and Issues.” *Ag Lenders Conference*, Kansas State University, Salina, KS, September 30, 2020.

Ifft, J.E. “Livestock Insurance and LRP.” *Crop Insurance Workshop*, Kansas State University, Salina, KS, October 21, 2020, and Grand Island, NE, October 28, 2020.

Ifft, J.E. “Agricultural Economics Agent Update.” *K-State Research and Extension*, 2020.

O’Brien, D.M. “2020 U.S. Corn and Soybean Market Outlook.” *Pioneer Hybrids Regional Seed Meeting*, Grand Island, NE, February 28, 2020.

O’Brien, D.M. “2020 Feedgrain and Soybean Market Outlook.” *Oklahoma State University Extension Agent Update*, ZOOM Teleconference, March 10, 2020.

Schroeder, T.C. “Consumer Meat Demand Drives Your Profitability.” *Animal Health Corridor Summit*, Kansas City, MO, August 31, 2020.

Schwab, B.B. “Evaluation of the Kansas Healthy Food Initiative (KHFI).” *Kansas Healthy Food Initiative Stakeholder Meeting*, December 17, 2020.

Tonsor, G.T. “Beef Cattle Market Outlook.” *Women in Agriculture Educational Series*, Clay Center, KS, February 20, 2020.

Tonsor, G.T. “Beef Cattle Market Outlook.” *American Society of Farm Managers and Rural Appraisers*, Kansas Chapter Annual Meeting, Manhattan, KS, February 21, 2020.

Tonsor, G.T. “Livestock Market Outlook Interviews.” K-State Radio Network, January 27, February 24, March 23, April 20, May 18, June 15, July 13, August 10, September 8 and 28, November 9, and December 14, 2020.

Zwagerman, J., R. Khosla, and T.W. Griffin. “Technological & Economic Review of the Utilization of Big Data in Agriculture.” Welcome to the Farm Panel, Big Data: Assessing the Legal Implications of Big-Data Driven Solutions to Agriculture’s Most Pressing Issues, *Texas A&M Law Review*, Fort Worth, TX, January 31, 2020.

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Dikeman, M.A., K.L. Herbel, A. Stepanovic, S.A. Dikeman, and E.C. Plummer. “We Are Hiring an Employee, Now What? A Guide to Agricultural Employment in Kansas.” Kansas Farm Management Association, Department of Agricultural Economics, Kansas State University, October 2020.

Dikeman, M.A., K.L. Herbel, E.C. Plummer, and R. Kohman. “KFMA 2020 Analysis Memo.” Kansas Farm Management Association, Department of Agricultural Economics, Kansas State University, December 2020.

Herbel, K.L. and M.A. Dikeman. “Executive Summary: 2019 KFMA Profitlink Analysis.” Kansas Farm Management Association, Department of Agricultural Economics, Kansas State University, www.agmanager.info/kfma/, May 2020.

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- Coffey, B.K., A.P. Barkley, G.T. Tonsor, and J.B. Tack. "How do Students Allocate Their Time? An Application of Prospect Theory to Trade-offs between Time Spent to Improve GPA versus Time Spent on Other Activities." *Applied Economics Teaching Resources* 2(2020)3:1-13.
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POSTERS

- Britton, L.L., A.D. Hagerman, and L.K. Holmstrom. “Alternative Foot-and-Mouth Disease Management Strategies in Large Feedlots.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Guerrero, B., S. Reynolds, B.B. Golden, A. Ghaseminejad, and V. Uddameri. “Evaluation of Water Conservation Strategies in the Texas High Plains.” *Western Agricultural Economics Association Annual Meeting Virtual Conference*, June 29-July 1, 2020.

- Lee, J. and N.P. Hendricks. “Irrigation Decisions in Response to Groundwater Salinity in Kansas.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- O’Brien, D.M., H. Tejada, and R.V. Llewelyn. “The Effect of Soybean Futures Forecast Accuracy on Basis in Local Cash Markets.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Regmi, M. and A.M. Featherstone. “Competition, Performance and Financial Stability in U.S. Agricultural Banking.” *Agricultural and Applied Economics Association Virtual Meeting*, July 27, 2020.
- Reynolds, S., B. Guerrero, B.B. Golden, and M. Rouhi Rad. “Integrated Modeling of Potential Water Conservation Strategies in the Central Ogallala Region.” *Southern Agricultural Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.
- Xia, T. and X. Li. “Consumer Basket Shopping and Seller Market Power in Food Retailing.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.

PRESENTED PAPERS

- Al-Sudani, A., G.S. Sampson, and J.S. Bergtold. “Local Irrigation Response to Ethanol Production in the High Plains Aquifer.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Amanor-Boadu, V. “Adapting to Change.” *Kansas Agricultural and Rural Leadership Program*, June 2, 2020.
- Amanor-Boadu, V. “KARL Reunion – Under New Management.” *Kansas Agricultural and Rural Leadership Program*, December 9, 2020.
- Amanor-Boadu, V. and A.M. Featherstone. “Enterprise Risk Management: Dealing with the Post-COVID World.” *MAB Alumni*, September 22, 2020.
- Amanor-Boadu, V. and K.L. Ross. “COVID-19 Incidence Trends between April and June 2020: A Global Analysis.” *medRxiv*, version 1, PPRID: PPR184349.
- Barkley, A.P. “Enhance Student Learning through High Impact Teaching: Teaching Heroes.” *Makerere University*, Kampala, Uganda, January 6, 2020.
- Barkley, A.P. “What is Great about Agricultural Economics and Agribusiness?” *College of Agricultural Training Class*, November 10, 2020.

- Barnes, E., G. Morgan, K. Hake, J. Devine, R. Kurtz, T.W. Griffin, G.A. Ibendahl, A. Sharda, K. Good-luck Fue, G. Rains, J. Maja, M. Bruce, J. Thomasson, J. Griffin, E. Kimura, H. Gharakhani, B. Ayre, S. Young, and M. Pelletier. "Current and Potential Robotic Applications to Improve Cotton Production." *Beltwide Cotton Conference*, Austin, TX, January 8-10, 2020.
- Bowman, W.L., D.L. Pendell, and B.K. Coffey. "The Impact of Specialization on Farm Financial Performance." *Western Agricultural Economics Association Annual Meeting*, Virtual Conference, June 29-July 1, 2020.
- Briggeman, B.C. "Macroeconomy, Interest Rates, and Future Inflation." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, August 10-14, 2020.
- Briggeman, B.C. "Question and Answer Discussion on the Macroeconomy." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, August 10-14, 2020.
- Briggeman, B.C. "Macroeconomic and Interest Rate Outlook." *Ag Lenders Conference*, Salina, KS, September 30, 2020.
- Britton, L.L. "Observations from Quantitative Methods in Agricultural Economics." Teaching Tips AAEA Award Winners organized session, *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Coffey, B.K. "Hedging Kansas Live Cattle: Summary of Outcomes over the Past 10 Years." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 10-14, 2020.
- Countryman, A., L. DeBoer, J.S. Bergtold, and K. Kiesel. "Panel with 2020 AAEA Teaching Award Recipients." *Morrison School of Agribusiness*, Arizona State University, Mesa, AZ, November 18, 2020.
- Featherstone, A.M. "Kansas Farm Financial Situation." *Kansas Soybean Expo*, Topeka, KS, January 8, 2020.
- Featherstone, A.M. "The Farm Financial Situation." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 10-14, 2020.
- Featherstone, A.M. "The Farm Financial Situation." *NACM Heartland Nation Ag Retail, Kansas Region Meetings*, Hays, KS, September 15, 2020.
- Featherstone, A.M. "Agricultural Trade – The Long View." *Ag Lenders Conference*, Salina, KS, September 30, 2020.

- Golden, B.B. “Resulting Changes from Producer-Driven Groundwater Pumping Reductions in Northwest Kansas.” *Colorado Master Irrigator Program*, Morgan Community College, Wray, CO, February 12, 2020.
- Griffin, T.W. “Recent Advances in Spatial Statistics for On-Farm Experiments.” Coupling the Power of Digital Agriculture, Experimental Design, and Modeling, Translating Visionary Science to Practice, *American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America Virtual Meeting*, November 9-13, 2020.
- Griffin, T.W. and G.A. Ibendahl. “Optimal Autonomous Robotic Harvest Systems for Cotton: Parameterizing a Whole-Farm Linear Programming Model.” *Beltwide Cotton Conference*, Austin, TX, January 8-10, 2020.
- Griffin, T.W., L.S. Traywick, and E.A. Yeager. “Interacting with the Next Wave of Farm Operators: Digital Agriculture and Potential Financial Implications.” Agricultural Symposium: The Roots of Agricultural Productivity, *Federal Reserve Bank of Kansas City*, July 30-31, 2020.
- Hendricks, N.P. and M.M. Sigler. “Global Yield Distributions since 1960.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Hendricks, N.P., A. Smith, N.B. Villoria, and M. Stigler. “The Effect of Agricultural Policy Distortions on Supply and Productivity.” *Agricultural Policy Conference*, October 16-17, 2020.
- Herbel, K.L. “Precision Agriculture Technology Adoption by Generations.” *Kansas Agricultural Technologies Conference, Kansas Ag and Research Technology Association Annual Meeting*, Junction City, KS, January 17, 2020.
- Hobbs Jr., L. and A. Shanoyan. “Customer Perception and Marketing Strategies in Pet Food: Analysis of Online Customer Review Data.” *Western Agricultural Economics Association Annual Meeting*, Virtual Conference, June 29-July 1, 2020.
- Hobbs Jr., L., A. Shanoyan, and G. Aldrich. “Analysis of Consumer Perception of Pet Food Attributes.” *Annual Pet Food Forum Connect Virtual Meeting*, September 9-10 and 15-17, 2020.
- Ibendahl, G.A. “Does Owning Greater Than Average Amounts of Equipment Affect Profitability.” *Southern Agricultural Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.
- Ibendahl, G.A. “Building a Policy Model from Farm Management Data.” *Western Agricultural Economics Association Annual Meeting*, Virtual Conference, June 29-30, 2020.

- Ibendahl, G.A. “Predicting Net Farm Income for 2020 and 2021 Using KFMA Data.” *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, August 10-14, 2020.
- Ibendahl, G.A. and T.W. Griffin. “Dynamic Modeling of a Conventional and Robotic Harvester System.” Precision Cotton Researchers Working Group, *Beltwide Cotton Conference*, Austin, TX, January 8-10, 2020.
- Ifft, J.E. “Agricultural and Applied Economics Association Preconference: Handbook of Agricultural Economics.” *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Ifft, J.E. “Nontraditional Finance – Overview and Trends.” *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, August 10-14, 2020.
- Ifft, J.E. “Nontraditional Finance in U.S. Agriculture: Overview and Northeast Case Study.” *Agricultural Policy Conference*, October 17, 2020.
- Kurzweil, M. and N.P. Hendricks. “Economic Losses from ARC/PLC Election Choices in the 2014 Farm Bill.” *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 10-14, 2020.
- Langemeier, M.R. and A.M. Featherstone. “Examining Trends in Liquidity for a Sample of Kansas Farms.” Center for Commercial Agriculture, *Purdue University*, October 2020.
- Lwiza, F. and A.P. Barkley. “Weather Variability, Wealth, and Labor Mobility.” *Southern Agricultural Economics Association Annual Meeting*, Ph.D. Student Job Market Paper Competition, Second Place, Louisville, KY, February 1-4, 2020.
- Miller, N.J., M.R. Taylor, J.B. Tack, and J.S. Bergtold. “Forecasting Winter Wheat Basis with Soil Moisture Measurements.” *NCC- 134: Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, St. Louis, MO, April 20-21, 2020.
- Nelson, N., E. Carver, P. Tomlinson, K. Roozeboom, G. Kluitenberg, D. Presley, J.R. Williams, and E.A. Yeager. “Balancing Agronomic and Environmental Outcomes with the 4Rs of Phosphorous Management.” *American Society of Agronomy-Crop Science Society of America, and the Soil Science Society of America Virtual Joint Annual Meeting*, November 9-13, 2020.
- O’Brien, D.M. “Grain Market Outlook.” *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 10-14, 2020.
- O’Brien, D.M. “Grain Market Outlook.” *Kansas Agricultural Lenders Conference*, Department of Agricultural Economics, Kansas State University, Garden City, KS, and Manhattan, KS, October 2020.

- O'Brien, D.M. "Grain Market Outlook." *Kansas Crop Insurance Workshops*, Department of Agricultural Economics, Kansas State University, Salina, KS, November 2020.
- O'Brien, D.M., H. Tejada, and R.V. Llewelyn. "The Effect of Corn Futures Forecast Accuracy on Basis in Local Cash Markets." *NCCC-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, St. Louis, MO, April 20-21, 2020.
- O'Brien, D.M., H. Tejada, and R.V. Llewelyn. "The Effect of Soybean Futures Forecast Accuracy on Basis in Local Cash Markets." *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Ofori, E.M., T. Xia, and F. Tsiboe. "Imported Rice and Local Rice Substitutability in Ghana." *Southern Agricultural Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.
- Ofori, E.M., E.A. Yeager, and B.C. Briggeman. "Agricultural Cooperatives Mergers and Efficiency Gains: An Ex-ante Analysis." *Southern Agricultural Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.
- Ofori, E.M., E.A. Yeager, and B.C. Briggeman. "Agricultural Cooperatives Mergers and Efficiency Gains: An Ex-ante Analysis." *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Perez-Quesada, G., N.P. Hendricks, and D.R. Steward. "Quantifying the Economic Costs of High Plains Aquifer Depletion." *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Rahman, K.T., A. Shanoyan, and V. Hovhannisyan. "Pre-Committed Demand for Food in Bangladesh: Implications for Agri-Food Industry Stakeholders." *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Schwab, B.B. and J. Yu. "Addressing Economic Constraints for Post-Harvest Technology Adoption." *United States Agency for International Development Feed the Future Postharvest Loss Innovation Laboratory Annual Meeting*, August 13, 2020.
- Shear, H.E. and D.L. Pendell. "Animal Identification and Disease Traceability in the United States: Market Impacts and Implications." *Southern Agriculture and Applied Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.
- Shear, H.E., D.L. Pendell, and R. Nehring. "Assessing Efficiency of the U.S. Cow-Calf Operations: Kansas." *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.

- Smith, C., M. Vestal, B. Guerrero, K. Sukcharoen, and B.B. Golden. "Assessment of Water Usage and Producer Attitudes of Groundwater in the Southern region of the Ogallala Aquifer." *Southern Agricultural Economics Association Annual Meeting*, Louisville, KY, February 1-4, 2020.
- Tack, J.B., B. Barnett, K. Coble, and J. Yu. "Using Historical Weather Data to Price Crop Insurance Revenue Products." *European Association of Agricultural Economics Webinar, Dealing with Extreme Weather in Agriculture*, July 17, 2020.
- Tack, J.B. and F. Tsiboe. "Utilizing Topographic and Soil Features to Improve Rating for Farm-Level Insurance Products." *Agricultural and Applied Economics Association Virtual Meeting*, Applied Risk Analysis Graduate Student Lightning Session, August 10-11, 2020.
- Villoria, N.B. "Tariff and Cash Rents: The Incidence of Foreign Market Accessibility on Farmland Rental Rates." *Agricultural Economics Departmental Seminar*, Purdue University, West Lafayette, IN, March 5, 2020.
- Villoria, N.B., S. Chakravarty, and M. Delgado. "Land Supply Elasticity in the U.S. A Spatially Explicit Approach." *23rd Annual Conference on Global Economic Analysis (virtual)*, June 17-19, 2020.
- Villoria, N.B., S. Chakravarty, and M. Delgado. "Land Supply Elasticity in the U.S. A Spatially Explicit Approach." *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Wendt, J, B.C. Briggeman, and J. van Rooyen. "Cooperative Growth in the Agri-Food Value Chain: The Case of SSK Cooperative." *International Food and Agribusiness Management Association, Virtual Annual Meeting*, September 22-24, 2020.
- Wendt, J. and J.C. Leatherman. "An Improved Assessment of Agriculture's Economic Contribution to the Kansas Economy." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 10-14, 2020.
- Wilson, C.A., K. Morgan, T. Hertel, L.L. Britton, J. Treme, K. Lacy, J.S. Bergtold, J.L. Clark, M. Rudstrom, E. Cenci, and K. Kiesel. "Teaching Tips from AAEA Award Winners and Panel Discussion on Transitioning to a New Online Environment Lessons Learned." *Agricultural and Applied Economics Association Virtual Meeting*, August 10-11, 2020.
- Yu, J., N.B. Villoria, and N.P. Hendricks. "The Incidence of Foreign Market Accessibility on Farmland Rental Rates." *National Bureau of Economic Research Agricultural Markets and Trade Policy Virtual Conference*, April 30-May 1, 2020.
- Yu, J., N.B. Villoria, and N.P. Hendricks. "The Incidence of Foreign Market Accessibility on Farmland Rental Rates." *Agricultural Policy Virtual Conference*, October 16-17, 2020.

PROCEEDINGS OF MEETINGS

- Griffin, T.W. “OK Boomer! Developing Extension Programming for Millennial Farm Operators.” *National Extension Risk Management Education Conference*, Denver, CO, April 1-2, 2020.
- Griffin, T.W. “Farm Data in the Wild: Implications of Maturing Agricultural Technology Industry.” *41st Annual American Agricultural Law Association Law Education Symposium*, Kansas City, MO, November 12-14, 2020.
- Griffin, T.W., G.A. Ibendahl, and R. Wright. “Autonomous Robotics for Cotton Harvest Systems: Results of Linear Programming Model.” *Beltwide Cotton Conference*, Austin, TX, January 8, 2020.
- Griffin, T.W., L.S. Traywick, and E.A. Yeager. “Farmers’ Adoption Path of Agricultural Technology and Associated Financial Implications by Farm Operator Generation.” *Agricultural Symposium: The Roots of Agricultural Productivity Growth Federal Reserve Bank of Kansas City*, July 30-31, 2020.
- Ibendahl, G.A. and T.W. Griffin. “Dynamic Modeling of a Conventional and Robotic Harvester System.” *Gregory Beltwide Cotton Conference*, Austin, TX, January 8, 2020.

RESEARCH REPORTS

- Golden, B.B. and B. Guerrero. “Monitoring the Impacts of Sheridan County Six Local Enhanced Management Area Supplemental Report for 2013–2019.” *Kansas Water Office Report*, 2020.
- Leatherman, J.C. “The Importance of the Health Care Sector to the Kansas Economy.” Department of Agricultural Economics, K-State Research and Extension, Kansas State University, 2020, 20 pages.
- Schwab, B.B., J.C. Leatherman, and B. Yao. “Evaluation of the Kansas Healthy Food Initiative (KHFI).” Department of Agricultural Economics, Kansas State University, 2020.

STAFF PAPERS

- Foster, D.L. “Staff, Programs, and Publications in Agricultural Economics – Kansas State University 2019.” *Staff Paper 20-01:1-65*, Department of Agricultural Economics, Kansas State University, March 2020.

VIDEOS, WEBINARS, AND MISCELLANEOUS REPORTS

Allen, G. and D.M. O'Brien. "2020 Grain Market Outlook with COVID-19 Effects." *U.S. Grain Council Webinar*, ZOOM Teleconference, May 14, 2020.

Allen, G. and D.M. O'Brien. "2020 Corn and Sorghum Market Outlook." *U.S. Grain Council Webinar*, ZOOM Teleconference, June 12, 2020.

Amanor-Boadu, V. "Thinking Different to See Different." *FEWtures Newsletter*, January 2020.

Bergtold, J.S., K. Boys, M. Ehmke, B. Katare, K. Kiesel and J. Penn. "What Do Our Students Think and Value? Perceptions of Transitioning to Remote Learning during the Pandemic at Land Grant Universities." *WERA-72 Workshop Webinar*, October 21, 2020. Recording available at: <https://youtu.be/tfLSUEs4enQ>

Bergtold, J.S., E. Morales, D. Thilmany, R.D. Jones, and K. Kiesel. "AAEA On-Line Teaching Resources and Best Practices Webinar." *Agricultural and Applied Economics Association Virtual Meeting*, Organizer: M. Ehmke. April 13, 2020. Recording available at: <https://www.youtube.com/watch?v=YqVtrfKMzk&feature=youtu.be>.

Briggeman, B.C., K.L. Herbel, and M.A. Dikeman. "Economics of Agriculture during the COVID-19 Pandemic: A Series of Online Gatherings, Government Stimulus Programs for Ag Producers and Co-ops." Webinar, <https://agmanager.info/news/recent-videos/government-stimulus-programs-ag-producers-and-co-ops>, April 3, 2020.

Briggeman, B.C. and G. Mashange. "Rising Equity and Retained Earnings for U.S. Farmer Cooperatives." *ACCC Fact Sheet Series – Paper #15*, December 2020.

Briggeman, B.C., B. Miller, K.L. Herbel, M.A. Dikeman, E. Steinle, M. Kliewer, B. Knoche, and M. Shaffer. "SBA Paycheck Protection Program for Cooperatives and Farmers." Webinar, <https://agmanager.info/news/recent-videos/sba-paycheck-protection-program-cooperatives-and-farmers-webinar>, April 13, 2020.

Featherstone, A.M. "Coronavirus Impacts and Agricultural Finance." *Economic Impacts of COVID-19 on Food and Agricultural Markets*, CAST Commentary, pp 27-30. <https://www.cast-science.org/wp-content/uploads/2020/06/QTA2020-3-COVID-Impacts.pdf>, June 29, 2020.

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