

2021

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

KANSAS STATE UNIVERSITY

**March 2022
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 2021, courses taught in 2021, 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, 2021, and December 31, 2021. 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, 2021

FACULTY			<u>Appointment tenths^a</u>		
Name	Title	Subject Area	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 Marketing	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	3.5	4	3.5
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 ^b	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
John C. Leatherman	Professor	Local Government	0	0	10
David E. Lehman	Instructor	Marketing	10	0	0
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

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

^b Retired in 2021.

^c Resigned in 2021.

ACADEMIC STAFF, 2021 (continued)

FACULTY Name	Title	Subject Area	Appointment tenths ^a		
			T	R	E
Edward D. Perry	Associate Professor	Industrial Organization	4	6	0
Gabriel S. Sampson	Associate 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	Professor	Ag. Prod./Risk Mgmt.	4	6	0
Glynn T. Tonsor	Professor	Livestock Marketing	0	2	8
Nelson B. Villoria	Associate Professor	Global Food & Land	4	6	0
Tian Xia	Professor	Applied Econometrics	4	6	0
Elizabeth A. Yeager	Associate Professor	Agribusiness, Farm Mgmt.	7	3	0
Jisang Yu	Associate 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

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 ^b	Extension Assistant	Farm Analyst
Xianghong Li, Ph.D.	Extension Assistant	Land Use Value

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

^b Retired in 2021.

^c Resigned in 2021.

ACADEMIC STAFF, 2021 (continued)

EXTENSION STAFF

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

SUPPORT STAFF

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

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

^b Retired in 2021.

^c Resigned in 2021.

COURSES TAUGHT IN 2021

(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	Biram/Britton Gardner/Hodgson/Rub
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/Britton
318 – Food & Agribusiness Management	Shanoyan
410 – Agricultural Policy	Ifft
420 – Commodity Futures	Yeager/Arnold/Dinges
441 – Transfer Orientation	Hodgson/ Lehman
445 – Agribusiness Internship	Featherstone/Hodgson
450 – Agricultural Economics and Agribusiness Problems	Featherstone
460 – International Food and Agribusiness Study Tour	
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
541 – Agricultural Economics and Agribusiness Seminar	
550 – Undergraduate Research in Agricultural Economics	Featherstone
560 – Data Analytics for Agricultural Economics	Villoria
570 – Food Manufacturing, Distribution, and Retailing	Amanor–Boadu/Ross
598 – Farm Management Strategies	Ibendahl
599 – Food & Agribusiness Management Strategies	Shanoyan/Harris
605 – Price Analysis & Forecasting	Llewelyn
610 – Current Ag & Natural Resource Policy Issues	Li
615 – Global Agricultural Development	Schwab
623 – International Agricultural Trade	Xia
632 – Agribusiness Logistics	AC Pangan
641 – Agricultural Economics and Agribusiness Seminar	
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 – Optimization Techniques for Agricultural Economics	Yeager
713 – Agribusiness Financial Management (MAB)	Featherstone
720 – Agribusiness Risk Management (MAB)	Featherstone
730 – Applied Agribusiness Logistics (MAB)	Harris/ Sullentrop
735 – Sales and Marketing in the Global Animal Health Industry (MAB)	Shanoyan
740 – Seminar in Agricultural Economics Analysis (MAB)	Featherstone

COURSES TAUGHT IN 2021 (continued)

(MAB) = Masters in Agribusiness courses

Course Number and Title

751 – Risk Management Fellows Seminar
 760 – Applied Econometric Analysis (MAB)
 761 – Optimization Techniques for Agribusiness (MAB)
 770 – International Agribusiness and Policy Analysis (MAB)
 805 – Agricultural Marketing
 810 – Price/Income Policy Agriculture
 825 – Natural Resource Policy
 880 – Agribusiness Industry Structures
 890 – Advance Food and Agribusiness Management (MAB)
 899 – Agricultural Economics Masters Research (MAB)
 901 – Research Methods in Economics
 905 – Agricultural Demand & Commodity Marketing
 923 – Economics of Agricultural Production
 925 – Advanced Resource and Environmental Economics
 936 – Quantitative Topics/Agricultural Economics
 955 – Discrete Choice Methods and Applications
 999 – Agricultural Economics Ph.D. Research

Instructor

Schroeder
 Yu
 Bergtold
 Perry
 Schroeder
 Hendricks
 Sampson
 Shanoyan
 Amanor–Boadu
 Featherstone
 Amanor–Boadu/Hodgson
 Xia
 Tack
 Sampson
 Bergtold/Hendricks/Perry/Xia/Yu
 Bergtold
 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

Anderson, Andrew. Agricultural Scholar, Farm Foundation/USDA–Economic Research Service. 2021.

Ala–Kokko, Kristiina. 2021 AIA Awards – Regional & Urban Design. 2021.

Ala–Kokko, Kristiina. University of Arkansas Resiliency Center Scholar. 2021.

Arnold, Chelsea. Applied Agricultural Economics Association (AAEA) Graduate Student Extension Competition Third Place. 2021.

Atilola, Bolanle. Vice President, Kansas State University African Student Union. 2021.

Benavidez, Lauren. Representative of Kansas State University subchapter on the AGEAP–US: Zamorano Alumni in US. 2021.

Bina, Justin. Donoghue Scholar, Kansas State University. 2021.

Cameron–Harp, Micah. Graduate Fellowship Awardee, Natural Resources and Environmental Sciences (NRES). 2021.

Fontinelle, Gabriel Blair. AAEA Outstanding Master’s Thesis Award Honorable Mention. 2021.

Gardner, Grant. Timothy R. Donoghue Fellow. 2021.

Gardner, Grant. Co–Chair Research Forums, Graduate Student Council. 2021

Gardner, Grant. Chapter Advisor, Alpha Gamma Rho. 2021.

Green, John, Lauren Benavidez, and Megan Hill. AAEA Student Case Competition, First Place. 2021.

Green, John, Lauren Benavidez, and Megan Hill. International Food and Agribusiness Management Association (IFAMA) Graduate Student Case Competition, First Place. 2021.

Hill, Megan. Co–Advisor, National Agri–Marketing Association (NAMA). 2021.

Hill, Megan. Outstanding Senior in Agribusiness, KSU College of Agriculture. 2021.

Hill, Megan. Finalist, NAMA Student Team Marketing Competition. 2021.

Hinds, Alan. Social Media Coordinator, Graduate Students in Agricultural Economics. 2021.

Hinds, Alan. Director, American Quarter Horse Association. 2021.

Hinds, Alan. Treasurer, Kansas State University Student Governing Association (SGA). 2021.

Hinds, Alan. Coordinator, Kansas State FFA Quiz Bowl LDE. 2021.

Luke, Jaime and Priyanka Sharma. AAEA student case competition, Second Place. 2021.

Luke, Jaime. Timothy R. Donoghue Graduate Scholarship. 2021.

Luke, Jaime. National Pork Board Agrimarketing Fellowship. 2021.

Lwiza, Florence. International Association of Agricultural Economists (IAAE) Eicher Award Honorable Mention. 2021.

Murphy, Ashling. Farm Foundation Agricultural Scholar. 2021.

Murphy, Ashling. President, Agricultural Economics Graduate Student Association. 2021.

Oerly, Amber. Outstanding Senior Award, Kansas State University Department of Agricultural Economics. 2021.

Oerly, Amber. Executive Vice President, Collegiate Farm Bureau. 2021.

Ofori, Eric. African Student Union. 2021.

Rogers, Sheppard. Timothy R. Donoghue Scholar. 2021.

Shear, Hannah. AAEA Graduate Student Policy Communication Competition, First Place. 2021.

Shear, Hannah. K–State College of Agriculture Richard Elmore Brown Teaching Award. 2021.

Thomas, Raymond. Graduate Vice President, Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS). 2021.

PEER–REVIEWED JOURNAL ARTICLES PUBLISHED/ACCEPTED IN CURRENT YEAR

Ala–Kokko, Kristiina, L. Nalley, A. Shew, J.B. Tack, P. Chaminuka, M. Matlock, and M. D’Haese. “Economic and Ecosystem Impacts of GM Maize in South Africa.” *Global Food Security* 29 (2021).

Barkley, A.P., Z. Wiley, **Lonnie Hobbs,** and S. Smades. “Openness to Diversity and Challenge: Assessment of Undergraduate Attitudes and Experiences in the College of Agriculture at Kansas State University.” *Professional Agricultural Workers Journal*, 8(2021)1.

- Benavidez, Lauren**, and T. Xia. “A Gravity Model of Central American Coffee Trade with the U.S.” *Journal of Food Distribution Research*, Food Distribution Research Society. 2021.
- Bina, Justin**, T.C. Schroeder, and G.T. Tonsor. “Conditional Feeder Cattle Hedge Ratios: Cross Hedging with Fluctuating Corn Prices.” *Journal of Commodity Markets*, 100–193.
- Clymer, Amanda**, **Whitney Bowman**, E.A. Yeager, and B.C. Briggeman. “Are Cooperatives Transitioning from Cost Minimizers to Profit Maximizers?” *Agricultural Finance Review*, 81(2021)4: 568–577.
- Fisher, A., J.A. Miller, E. Nottingham, T. Wiederstein, L. Krueger, **Gabriela Perez–Quesada**, M. Sanderson, and S. Hutchinson. “A Systematic Review of Spatial–Temporal Scale Challenges in Sociohydrology.” *Frontiers in Water*, (2021)3:730169.
- Gardner, Grant**, G.S. Sampson, and D. Presley. “Irrigator Perceptions and the Value of Ground–Water Quality in the High Plains Aquifer.” *Journal of Soil and Water Conservation*, 76(2021)4: 329–339.
- Gardner, Grant**, T. Mieno, and D. Bullock. “An Economic Evaluation of Site–Specific Input Application RX Maps: Evaluation Framework and Case Study.” *Precision Agriculture*, (2021) 1–13.
- Hodjo, Manzamasso**, T.J. Dalton, T. Nakelse, R. Acharya and D. Blayney. “From Coupons to Calories: Assessing Input Coupon Impact on Household Food Calories Production.” *World Development Perspectives*, 22(2021): 100316.
- Mashange, Gerald**, and B.C. Briggeman. “Assessing the Financial Condition and Accounts Receivable Risk Among U.S. Farmer Cooperatives.” *Agricultural Finance Review*, (2021).
- Mashange, Gerald**, A.M. Featherstone, and B.C. Briggeman. “Evaluating Changes in Credit Rating Quality of U.S. Farmer Cooperatives.” *Journal of Co–operative Organization and Management*, (2021).
- Oerly, Amber**, M. Johnson, and J. Soule. “Economic, Social, and Environmental Impacts of Cattle on Grazing Land Ecosystems.” *Rangelands Journal*, (2021).
- Perez–Quesada, Gabriela**, and N.P. Hendricks. “Lessons from Local Governance and Collective Action Efforts to Manage Irrigation Withdrawals in Kansas” *Agricultural Water Management*, (2021)247: 106736.
- Peterson–Wilhelm, Bailey**, L. Nalley, A. Durand– Morat, A. Shew, **Francis Tsiboe** and W. Mulimbi. “Quality Determinates of Rice Price in Open Bag Markets in Sub–Saharan Africa.” *Journal of Agribusiness in Developing and Emerging Economies*, (2021).

PROFESSIONAL PRESENTATIONS

- Ac–Pangan, Walter**, and B. K. Coffey. “How Do Changes in Market Fundamentals Affect Hedging in US Live Cattle Markets?” Proceedings of the *NCCC–134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*. 2021.
- Ala–Kokko, Kristiina**, L. Nalley, P. Chaminuka, A. Shew, J.B. Tack, and M. Matlock. “Environmental Benefits of GM Maize Adoption in South Africa.” Presented at the *SAEA Annual Meeting*. Virtual. February 6–9, 2021.
- Ala–Kokko, Kristiina**, L. Nalley, A. Durand and W. Yang. “Battling for a Territory, US and Chinese Medium Grain Rice Trade into Puerto Rico.” Presented at the *2021 Delta Region Farm Management and Agricultural Policy Working Group*, Vicksburg, Mississippi, September 17, 2021.
- Benavidez, Lauren**, and T. Xia, “A Gravity Model of Central American Organic Coffee Trade with The U.S.” Oral Presentation at *The Food Distribution Research Society Annual Meeting*, Ag Summit 2021.
- Bina, Justin**, and G.T. Tonsor. “Balancing Beef Processing Efficiency and Resiliency Post COVID–19.” Presentation at the *2021 Risk and Profit Conference*, Manhattan, KS, August 19–20, 2021.
- Bina, Justin**. “Balancing Beef Processing Efficiency and Resiliency Post–COVID–19.” Selected poster presentation at the joint meeting of the *Agricultural & Applied Economics Association and Western Agricultural Economics Association*, Austin, TX, August 1–3, 2021.
- Biram, Hunter**, J.B. Tack, and R. Nehring. “Effects of Crop Insurance Participation on Quality–Adjusted Pesticide Use.” Selected Paper for the *Southern Agricultural Economics Association Annual Meeting*, Online, February 2021.
- Cameron–Harp, Micah**, and N.P. Hendricks. “Carbon Credit Markets: Current Opportunities and Future Prospects.” *Department of Agricultural Economics*, Kansas State University, Manhattan, KS, August 19–20, 2021.
- Gardner, Grant**. “Irrigator Perceptions and the Value of Groundwater Quality.” Poster Presentation, *Kansas State University*. 2021.
- Gardner, Grant**. “Land Value Impacts of Ethanol Market Expansion Differ by Irrigation Status.” *Agricultural and Applied Economics Association (AAEA) Annual Meeting*. August 2021.
- Gardner, Grant**. “Land Value Impacts of Ethanol Market Capacity.” *Risk and Profit Extension Conference*, Kansas State University. 2021.
- Gardner, Grant**. “2019 Survey of Irrigation Organizations Research Briefing.” *USDA Drought and Water*. 2021

- Griffin, T.W., **Allan Pinto**, and R.M. Reid. “Introduction to New Interactive Web Tools: Farmland Values (Stepped-Up Basis) Tool and Days Suitable/Long Run Machinery Planning Tool.” *K-State Ag Lender Conference*, Kansas State University Department of Agricultural Economics. September 28–29, 2021.
- Luke, Jaime**. “The Demand for Pork Primal Cuts.” Presented to *National Pork Board and National Pork Producers Council*. June 14, 2021.
- Oerly, Amber**, and M. Johnson. “Economics of Grazing Management.” Selected Presentation for the *8th National Grazinglands Conference*, Myrtle Beach, South Carolina, December 2021.
- Oerly, Amber**, and M. Johnson. “Mental Health and Farm Stress of U.S. Beef Operations.” Selected Presentation for the *8th National Grazinglands Conference*, Myrtle Beach, South Carolina, December 2021.
- Perez–Quesada, Gabriela**, N.P. Hendricks, C. Vossler, D. Steward, and J. Zhao. “What Factors Affect the Preferences of Farmers for Local Irrigation Water Management in Kansas.” *Agricultural and Applied Economics Association Hybrid Meeting*, Austin, TX, August 1–3, 2021.
- Perez–Quesada, Gabriela**, N.P. Hendricks, and D. Steward. “Quantifying the Economic Costs of High Plains Aquifer Depletion.” *2021 UCOWR/NIWR Annual Water Resources Conference*, Virtual Meeting, US, 2021.
- Peterson–Wilhelm, Bailey**, L. Nalley, A. Durand–Morat, A. Shew, R. Parajuli and G. Thomas. “Benefit Cost Ratio of the Arkansas Rice Checkoff Program.” Call for paper accepted at *Southern Agricultural Economics Association Annual Meeting*, Virtual, February 6–9, 2021.
- Peterson–Wilhelm, Bailey**, L. Nalley, A. Durand–Morat, and J. Norsworthy, “Economic and Environmental Value of Screening for Herbicide Resistance in Barnyardgrass in Arkansas.” Selected Poster presented at *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, Texas, August 1–4, 2021.
- Pinto, Allan**, J. Yu, and B.B. Schwab. “Can Bundling Technologies Encourage Adoption? Evidence from Corn Producers in Guatemala.” Selected paper presented at the *Southern Agricultural Economics Associations (SAEA) Annual Meeting*, Virtual. February 2021.
- Pinto, Allan**, and T.W. Griffin. “Introduction to New Interactive Web Tools: Farmland Values (Stepped Up Basis) Tool and Days Suitable/Long Run Machinery Planning Tool.” *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University Oral Presentation August (19, 20, 25) 2021.
- Sampson, G.S., and **Grant Gardner**. “Land Value Impacts of Ethanol Market Expansion by Irrigation Status.” *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, Texas, August 1–4, 2021.
- Shear, Hannah**, D.L. Pendell, and R. Nehring. “Comparison of High Plains and Southern Region Cow–Calf Operation Production Efficiency.” *Southern Agriculture and Applied Economics Association Annual Conference*. February 2021.

- Tack, J.B., and **Francis Tsiboe**. “Farm–and Program–Level Tradeoffs Between APH–and Index–Based Insurance.” *SCC–76 Annual Meeting*, 2021.
- Tack, J.B., E. Park, A. Harri, K. Coble, and **Francis Tsiboe**. “Designing Area–Based Crop Insurance Program Based on Soil Similarity.” *SCC–76 Annual Meeting*, 2021.
- Tack, J.B., **Hunter Biram**, and R. Nehring. “Effects of Crop Insurance Participation on Quality–Adjusted Pesticide Use.” *Southern Agricultural Economics Association Annual Meeting*, 2021.
- Tack, J.B., **Kristiina Ala–Kokko**, L. Nalley, P. Chaminuka, A. Shew, and M. Matlock. “Environmental Benefits of GM Maize Adoption in South Africa.” *Southern Agricultural Economics Association Annual Meeting*, 2021.
- Wendt, Jody**, B.C. Briggeman, and J.S. Bergtold, “Valuing Trust: An Application to Agricultural Lending.” *Kansas State University Graduate Student Council Research and the State*, Poster Presentation. October 27, 2021.

OTHER PUBLICATIONS

- Ala–Kokko, Kristiina**, and P. Chaminuka. “The Economic and Ecosystem Impacts of GM Maize in SA.” Published in *Farmer’s Weekly* (13 August 2021): 6–7. Caxton Local Media. Craighall, South Africa.
- Bina, Justin**, T.C. Schroeder, and B.K. Coffey. “Summary of Feeder Cattle Hedging Performance.” *Kansas State University Department of Agricultural Economics Fact Sheet*, January 2021.
- Byers, Luke**, and J.E. Ifft. “Recent Trends in Nontraditional Lending.” www.AgManager.info, August 1, 2021.
- Griffin, T.W., R.M. Reid, and **Allan Pinto**. “Introduction to New Interactive Web Tools: Farmland Values (Stepped – Up Basis) Tool and Days Suitable/ Long Run Machinery Planning Tool.” www.AgManager.info, August 1, 2021.
- Luke, Jaime** and G.T. Tonsor. “Pork Export Concentration.” *Kansas State Radio Network, Agriculture Today*, July 2021.
- Luke, Jaime**, and G.T. Tonsor. “Concentration of U.S. Pork Exports.” *Kansas State University AgManager Info Fact Sheet*, June 2021.
- Pinto, Allan**. “Should Ag Data be a Public Good?” John Ralph Essay Competition 2021. *Farm Policy Journal*. Vol. 18 | No. 4 | Summer Quarter 2021.
- Thomas, Raymond**. “Assessing The Success of the 2020 Kansas State Research and Extension Summer Research Program: A Virtual Research Experience.” *Professional Agricultural Workers Journal*. 2021.

GRADUATE STUDENT TEACHING

AC Pangan, Walter. AGECE 632 Agribusiness Logistics, Fall 2021.

Arnold, Chelsea. AGECE 420 Commodity Futures, Spring 2021.

Briam, Hunter. AGECE 115 Decision Tools Agricultural Economics/Agribusiness, Fall 2021.

Dinges, Kaitlyn. AGECE 420 Commodity Futures, Spring 2021.

Gardner, Grant. AGECE 115 Decision Tools Agricultural Economics/Agribusiness, Fall 2021.

Rub, Abdur. AGECE 115 Decision Tools Agricultural Economics/Agribusiness, Fall 2021.

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

Ac Pangan, Walter. “How do Changes in Market Fundamentals Affect Hedging in US Live Cattle Markets?” Major Professor: Brian Coffey. M.S. Thesis, 2021.

Arnold, Chelsea. “Essays on Leasing Kansas Agricultural Land.” Major Professor: Mykel R. Taylor. Ph.D. Dissertation, 2021.

Aseete, Paul. “Allocation of Farm Output and Farmer–Agribusiness Linkages: Cyclical Decisions and Welfare Effects.” Major Professor: Andrew Barkley. Ph.D. Dissertation, 2021.

Brand, Devin. “Dairy Farm Growth and the Welfare Impacts of a Growth–Based Production Quota on Different Farm Size Groups.” Major Professor: Nathan Hendricks. M.S. Thesis, 2021.

Buehler, Jacob. “The Purpose and Effectiveness of Sales Compensation Plans.” Major Professor: Vincent Amanor–Boadu. MAB Thesis, 2021.

Clark, Alicia. “The Merit of Corn Biological Products Used In–Furrow.” Major Professor: Edward Perry. MAB Thesis, 2021.

Eden, Michaela. “Consumer Response Towards Stall–Free Pork Premiums at the Restaurant Level?” Major Professor: Glynn Tonsor. M.S. Thesis, 2021.

Espinda, Megan. “Market Analysis to Facilitate Expansion of Wholesale Wine Sales and Distribution of G Winery.” Major Professor: Aleksan Shanoyan. MAB Thesis, 2021.

Hinkle, Bailey. “The Effects of Section 179 Deductions and Bonus Depreciation on Farm Financial Investment.” Major Professor: Allen Featherstone. M.S. Thesis, 2021.

Jorge, Catia. “Production of Ethanol from Corn: Is it Still a Good Investment in Brazil?” Major Professor: Allen Featherstone. MAB Thesis, 2021.

- Kniebel Aherin, Cassandra.** “Grazing Management Plan Adoption in the United States Beef Industry.” Major Professor: Dustin Pendell. MAB Thesis, 2021.
- Kurzweil, Mary.** “How has Price Discovery in the Beef Complex Changed Over Time?” Major Professor: Ted Schroeder. M.S. Thesis, 2021.
- Nalunga, Asha.** “Essays on the Coffee Supply Chain in Uganda.” Major Professor: Jason Bergtold. Ph.D. Dissertation, 2021.
- Olabisi, Ekong.** “Essays on the Nexus of Climate Change, Agricultural Productivity, and the Environment.” Major Professor: Nathan Hendricks and Nelson Villoria. Ph.D. Dissertation, 2021.
- Patritti, Elle.** “Montana Small Bank Deposit Market Analysis.” Major Professor: Allen Featherstone. MAB Thesis, 2021.
- Parker, Emily.** “Anaerobic Membrane Bioreactor (AnMBR) Economic Viability on Swine Operations.” Major Professor: Nathan Hendricks. M.S. Thesis, 2021.
- Ramirez, Rita.** “Assessing the Influence of Employee Characteristics on Their Perceptions About Retention and Endorsement.” Major Professor: Vincent Amanor–Boadu. MAB Thesis, 2021.
- Rosengren, Leigh.** “Economics of Johne’s Disease Control Decisions in Western Canadian Cow–Calf Herds.” Major Professor: Jason Bergtold and Dustin Pendell. MAB Thesis, 2021.
- Segovia, Sara.** “Creating a Blue Ocean Strategy for a Biostimulants Company.” Major Professor: Vincent Amanor–Boadu. MAB Thesis, 2021.
- Shear, Hannah.** “Kansas Cow–Calf Production Efficiency.” Major Professor: Dustin Pendell. Ph.D. Dissertation, 2021.
- Swearingen, Bryn.** “Buying Time: The Effect of Market Facilitation Program Payments on the Supply of Grain Storage.” Major Professor: Nathan Hendricks. M.S. Thesis, 2021.
- Taylor, Hannah.** “Factors Affecting Beef and Plant–Based Protein Consumption.” Major Professor: Glynn Tonsor. M.S. Thesis, 2021.
- Taube, Ethan.** “An Assessment of Sales Opportunities for a Beef Feed Operation.” Major Professor: Keith Harris. MAB Thesis, 2021.
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- Varner, Amy.** “Kansas Women In Agriculture.” Major Professor: Mykel Taylor. MAB Thesis, 2021.
- Zhang, Xuyan.** “Comparison of the Nutritive Value of Soybean Meal from U.S. and Brazilian Soybeans.” Major Professor: Allen Featherstone. MAB Thesis, 2021.

INTERNSHIPS BY GRADUATE STUDENTS

Gardner, Grant. USDA Economic Research Service, Kansas City, MO. Summer 2021.

EMPLOYMENT & POSTGRADUATE OFFERS ACCEPTED BY GRADUATES & ABD DOCTORAL STUDENTS

Aseete, Paul. Instructor, Makerere University.

Brand, Devin. Extension Agricultural Economist, Kansas Farm Management Association.

Eden, Michaela. Animal Welfare Auditor, Frost, PLLC.

Hinkle, Bailey. Customer Sales Consultant, WTC Communications.

Kurzweil, Mary. Analyst, CattleFax.

Parker, Emily. Senior Specialist Enterprise Inventory Management, Tyson Foods.

Shear, Hannah. Assistant Professor, Oklahoma State.

Swearingen, Bryn. Agricultural Economist at USDA, Economic Research Service.

Taylor, Hannah. Agricultural Economist at USDA, Economic Research Service.

Tisboe, Francis. Research Agricultural Economist at USDA, Economic Research Service.

FACULTY AND STAFF AWARDS

Barkley, Andrew. Carl K. Eicher Award for Best Doctoral Dissertation on a Topic Related to African Development, Honorable Mention. Florence Lwiza's dissertation: "Three Essays on Economic Evaluation of Responses to Weather-Induced Risks in Uganda." Barkley served as Major Professor. *International Association of Agricultural Economists (IAAE)*. 2021.

Barkley, Andrew. Outstanding Revised Textbook in Social Sciences, for Principles of Agricultural Economics, 3rd Edition 2020, *Taylor & Francis*, 2021.

Bergtold, Jason. Coffman Chair for Distinguished Teaching Scholar, *Kansas State University*, 2021.

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- Hendricks, Nathan and Joe Janzen. AEPP Best Article, “Are Farmers Made Whole by Trade Aid?,” *Agricultural & Applied Economics Association*, 2021.
- Llewelyn, Richard. President's Award for Excellence for Unclassified Professionals. *Kansas State University*, 2021.
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Reid, R.M. “Updated Estimates on ARC–County Crop Program.” www.AgManager.info, July 7, 2021.

Reid, R.M., and S. Johnson. “KSU–Detailed Cow Calf Budget.” www.AgManager.info, September 9, 2021.

Reid, R.M. “County ARC–CO Payment Rates Determined.” www.AgManager.info, October 6, 2021.

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Shear, H.E., D.L. Pendell, and K.L. Herbel. “Kansas Cow-Calf Production.” www.AgManager.info, August 1, 2021.

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POSTERS

- O'Brien, D.M., H. Tejeda, and R.V. Llewelyn. "How the Accuracy of Grain Futures Forecasts Affect Grain Basis in the Southern Plains." *2021 Agricultural and Applied Economics Conference*, Austin, Texas, August 1–3, 2021.
- Villoria N.B., R. Garrett, F. Gollnow, and K. Carlson "Demand–Driven Efforts to Stop Deforestation in Brazil's Soy Sector are Unlikely to be Offset by Cross–Border Leakage." *Center for Climate, Regional, Environmental and Trade Economics Seminar. Department of Agricultural and Consumer Economics*, University of Illinois Urbana–Champaign, Online, September 24, 2021.
- Villoria N.B., R. Garrett, K. Carlson, and F. Gollnow "Lack of Ambition, Not Leakage, is What Can Make Brazil's Soybean Supply–Side Deforestation Initiatives Ineffective." *24th Annual Conference of Global Economic Analysis*, Online, June 24, 2021.

PRESENTED PAPERS

- Anderson, A.E., T.C. Schroeder, and H. Trevor. "Futures Price Variation and Cash Price Discover for Feeder Cattle." *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, TX, July 2021.
- Bergtold, J.S. "Adoption of In–Field Conservation Practices Under Risk: No–Tillage, Cover Crops, Conservation Rotations, and Precision Agriculture." *Socio–Economic Working Group, Living Laboratories Division, Agriculture and Agri–Food Canada (AAFC) and Manitoba Association of Watersheds*, Winnipeg, Manitoba, Canada (via Zoom), June 25, 2021.
- Bergtold, J.S., J. Penn, K. Boys, M. Ehmke, B. Katere and K. Kiesel. "The COVID–19 Pandemic and Fall 2020 Undergraduate Enrollment: An Assessment of Campus Policies, Health Risks and Pandemic Challenges." *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, TX, August 1–4, 2021.
- Britton, L.L. "Lessons from a First–Year Instructor." Teaching Tips from Agricultural and Applied Economics Association/U.S. Department of Agriculture Award Winners. *Agricultural and Applied Economics Association and Western Agricultural Economics Association Joint Annual Meeting*, virtual, August 2, 2021.
- Dinges, K.M. and T.C. Schroeder. "Forecasting Regional Lean Hog Basis using GARCH Models." *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, TX, August 2021.
- Escalante, C., Z. Gao, J.S. Bergtold, E. Hanson, K. Jefferson and M. Ehmke. "Teaching and Learning Workshop: Panel with WAEA and AAEA Teaching Award Recipients and AETR Guest Editors." *Morrison School of Agribusiness at Arizona State University*, Mesa, AZ (via Zoom), November 17, 2021.

- Featherstone, A.M. “Observing State Government through a State Lens *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, TX, August 3, 2021.
- Featherstone, A.M., B. Hinkle, J.E. Ifft, and E.A. Yeager. “The Effects of Section 179 Deductions and Bonus Depreciation on Farm Financial Ratios.” *2021 Risk and Profit Conference*, August 19–20, 2021, KSU Alumni Center, Manhattan, KS.
- Golden, B.B. “The Costs of Groundwater Conservation.” *KWO/DWR/ Kansas Bankers Meeting*, Garden City, KS, September 30, 2021.
- Golden, B.B. “Economics of Groundwater Conservation: Sheridan #6 LEMA.” *Kansas House Committee on Water*, Finnup Center for Conservation Education, Garden City, KS, August 17, 2021.
- Golden, B.B. “Economics of Producer–Driven Groundwater Pumping Reductions in Kansas”. *2021 KSU Research & Extension Training Series*, March 25, 2021.
- Golden, B.B. “Resulting Changes from Producer–Driven Groundwater Pumping Reductions in Northwest Kansas.” *2021 Oklahoma Master Irrigator Program, Oklahoma Panhandle Research and Extension Center*, Goodwell, Oklahoma, January 19, 2021.
- Griffin, T.W., and Ibendahl, G.A. “Economic Model for Automated Harvest, Precision Cotton Researchers.” *2021 Beltwide Cotton Conference*, January 8, 2021.
- Griffin, T.W., “Precision Ag Economics & Wireless Connectivity.” *Nebraska Rural Broadband Task Force Agriculture Subcommittee*, January 22, 2021.
- Griffin, T.W., L. Traywick, E.A. Yeager, and G.A. Ibendahl. “OK Boomer! Developing Extension Programming for Millennial Farm Operators.” *2021 Extension Risk Management Education (ERME) National Conference*, March 25, 2021.
- Griffin, T.W., and L. Traywick, “Adoption of Ag Tech: Benefit–Cost Analysis Revisited. ” *NCR Extension Farm Management Committee*, August 16, 2021
- Ibendahl, G.A. “Forecasting Net Farm Income Based on Historical Farm Data and Future Prices.” *Agricultural and Applied Economics Association and Western Agricultural Economics Association Joint Annual Meeting*, Austin, TX. August 1–3, 2021.
- O'Brien, D.M., and G.A. Ibendahl. “Crop Budget and Lease Evaluation Tool for Extension Educators.” *2021 Extension Risk Management Education (ERME) National Conference*, March 24, 2021.
- Rahman, K., A. Shanoyan, & V. Hovhannisyan. “Food Commodity Price Hikes, Public Policy, and Consumer Welfare: Lessons from Bangladesh.” *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, Texas, August 1–3, 2021.
- Regmi, M., A.M. Featherstone, B.C. Briggeman, and D. Subedi. “Assessing and Improving USDA’s Farm Income Baseline Projections.” *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, TX, August 1–4, 2021.

- Reid, R., A.M. Featherstone, and K. Herbel. “Farmer Self-Employed Health Care Costs.” *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, TX, August 2, 2021.
- Sant’Anna, A., J.S. Bergtold, A. Shanoyan, M. Caldas, and G. Granco. “Deal or No Deal? Analysis of Bioenergy Feedstock Contract Choice with Multiple Opt-out Options and Contract Attribute Substitutability.” *2021 International Conference of Agricultural Economics*, Virtual Conference, August 17–31, 2021.
- Shanoyan, A. “Thoughts on Teaching and Learning.” *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, Texas, August 1–3, 2021.
- Tack, J.B., J. Yu, and E.D. Perry. “Can Historical Cause of Loss Insurance Data be Leveraged to Develop Real Time Predictions of Crop Loss as Natural Disasters Occur.” *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, Texas, August 1–3, 2021.
- Tack, J.B., N. Miller, M. Taylor, and I. Ciampitti. “Forecasting Winter Wheat Basis with Soil Moisture Measurements.” *NCCC–134 Annual Meeting*, 2021.
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- Thompson, K., M. Vestal, B. Guerrero, B.B. Golden, and L. Tsoodle. “Land Values and Water Levels: What is the Impact of the Declining Ogallala Aquifer on Land Prices?” *Southern Agricultural Economics Association Annual Meeting*, Virtual. February 6–9, 2021.
- Villoria, N.B., S. Chakravarty, and M. Delgado. “Spatially Explicit Land Supply Responses in the US” *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, Texas. August 1–3, 2021.
- Xia, T., and X. Li. “The Growth of Plant-Based Meat Products: Competitive Implications for Conventional Meat Consumers and Producers.” *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, Texas. August 1–3, 2021.
- Yu, J., and G. Goh. “Estimating Temperature Impacts on Perennial Crop Losses in California: Insights from Insurance Data.” *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Austin, Texas, August 1–3, 2021.

PROCEEDINGS OF MEETINGS

- Bishop, R., B. Ciastkowski, A. Coffin, P. Doherty, T.W. Griffin, S. Lewis, W. Murtagh, M. Rentz, S. Riley, S. Rounds, R. Rutledge, H. Singer, R. Steenburgh, K. Sudduth, J. Cabrera–Guzman, T. Guild, P. O’Brien, and E. Yizengaw. “Summary of the Space Environment Engineering and Science Applications Workshop – Ionospheric Impacts (SEESAW–II): Precision Agriculture.” *American Geophysical Union AGU Fall Meeting*, New Orleans, LA and Online, December 13–17, 2021.

Griffin, T.W. “Digital Agriculture as a Risk Management Strategy as Part of Organized Symposium on Prospects of Digital Agriculture and Machine Learning in Agricultural Risk Management.” *2021 European Association of Agricultural Economists*, Virtual. July 21, 2021.

Griffin, T.W. “Global Cost Assessment of GNSS Outage to Agricultural Productivity.” *SEESAW-II Precision Agriculture*, Virtual, June 15, 2021.

Ibendahl, G.A., and T.W. Griffin. “Economic Model for Automated Cotton Harvest.” *Precision Cotton Researchers Working Group*, Beltwide Cotton Conference, Virtual Meeting, January 8, 2021.

Richard, J., and T.W. Griffin. 2021. “Distributed Ledger Technology for the Cotton Supply Chain, Discussing Forthcoming Literature.” *Beltwide Cotton Conference*, Virtual, January 2021.

RESEARCH REPORTS

Dalton, T.J. “Feed the Future Innovation Lab for Collaborative Research on Sorghum and Millet.” *Sorghum and Millet Innovation Lab*, October 2021.

Golden, B.B. “Monitoring the Impacts of Sheridan County 6 Local Enhanced Management Area Report for 2013 – 2020.” *Report to the Kansas Water Office*, September 30, 2021.

Rogers, S., and T.C. Schroeder. “Evaluation of Pet Health Insurance Impacts on Veterinary Clinic Operations, Financial Performance, and Client Behavior: Synthesis of Published Literature.” *Companion Protect*, October 2021.

Schroeder, T.C., B.K. Coffey, and G.T. Tonsor. “Effective and Efficient Cattle and Beef Market Alignment: Price and Value Discovery, Divergent Incentives, Risk Management, and Future Prospects.” *USDA, Office of the Chief Economist*, August 31, 2021.

Tonsor, G.T., J. Lusk, and T.C. Schroeder. “Impacts of New Plant-Based Protein Alternatives on U.S. Beef Demand.” *Cattlemen’s Beef Promotion and Research Board*, January 2021.

STAFF PAPERS

Foster, D.L. “Staff, Programs, and Publications in Agricultural Economics – Kansas State University 2021.” *Staff Paper 20-01:1-46*, Department of Agricultural Economics, Kansas State University, March 2021.

VIDEOS, WEBINARS, AND MISCELLANEOUS REPORTS

Allen, G., and D.M. O’Brien. “2021 Grain & DDGS Market Outlook.” *U.S. Grains Council Webinar*, ZOOM Teleconference, March 3, 2021, April 1, 2021, and June 7, 2021.

- Allen, G., and D.M. O'Brien. "2021 Soybean Market Outlook." *U.S. Soybean Council Webinar*, ZOOM Teleconference, March 11, 2021 and August 22, 2021.
- Bergtold, J.S., and C. McCollum. "Conservation Adoption Trends." *Agriculture Today Radio Show*, September 16, 2021.
- Bergtold, J.S., A.P. Barkley, K. Williams, and L. Rubin. "How Do I Engage in the Scholarship of Teaching and Learning? A Discussion with Teaching Scholars and their Experiences." *Webinar for the Teaching and Learning Center Professional Development Series at Kansas State University*, October 13, 2021.
- Briggeman, B.C. and C. Hodgkinson. "Trends and an Update to Grain Storage of Kansas Farmer Cooperatives." *ACCC Fact Sheet Series*, January 2021.
- Britton, L.L. "U.S. Farm Report: College Roadshow." *Kansas State University*, September 18, 2021.
- Coffey, B.K. "Trends in Cattle Marketing.", *K-State Beef Cattle Institute Cattle Chat Podcast*, November 12 and 19, 2021.
- Coffey, B.K., T.C. Schroeder, and G.T. Tonsor. "Cattle Marketing and Price Discovery." *K-State Radio Network*, September 21, 2021.
- Coffey, B.K. "Futures Hedging for Livestock Producer." *K-State Radio Network*, January 11, 2021.
- Coffey, B.K., and A. McCrea. "Benefits of Hedging Live Cattle." *Farming the Countryside Podcast*, March 11, 2021.
- Featherstone, A.M. "Agriculture Update." Webinar, *Topeka Economic Outlook Conference*, Topeka, KS, January 27, 2021.
- Featherstone, A.M. "Agriculture Update." Webinar, Mini Risk and Profit Conference, February 17, 2021.
- Featherstone, A.M. "Property Valuation of Ag Land in Kansas – Webinar." www.AgManager.info, May 19, 2021.
- Featherstone, A.M. "2021 Agricultural Net Income Situation for Property Tax Calculations." *Webinar*, May 19, 2021.
- Featherstone, A.M. "Special Podcast – Grain Market Outlook Forum." www.AgManager.info, October 16, 2021.
- Featherstone, A.M. "Overview of the Agricultural Economy." Webinar, *Kansas Farm Bureau Meeting*, <https://www.kfb.org/Article/2021-Annual-Meeting-Workshops>, December 1, 2021.
- Featherstone, A.M. and R.M. Reid "Kansas Farm Land Values Webinar." www.AgManager.info, May 12, 2021.
- Griffin, T.W., and J. Mahen. 2021. "Deere Equipment Workers' Strike." *WQAD TV*, 2021.

- Griffin, T.W. “Farm Data Economics Podcast – Future of Agriculture Podcast Episode 243.” www.AgManager.info, February 3, 2021.
- Griffin, T.W. “Precision Ag Timeline.” www.AgManager.info, April 5, 2021.
- Griffin, T.W. “From Commercialization to Realization: Empowering rather than Hindering Farmers, On–Farm Experiments (OFE): How Value Created, Shared, & Measured, On–Farm Experiment.” *Webinar*, May 10, 2021.
- Griffin, T.W. “The Role of Technology and Data, Session 2: The Role of Technology and Data, The Roots of Agricultural Productivity Growth.” *Federal Reserve Bank of Kansas City 2021 Agricultural Symposium*, Video, May 24, 2021.
- Griffin, T.W. “US Farm Report – Technology Is Harvesting Data.” Video, July 19, 2021. https://players.brightcove.net/5176256085001/default_index.html?videoId=6263875401001
- Griffin, T.W., and L. Traywick.” Ag Tech Adoption and Generational Characteristics: Benefit–Cost Analysis Revisited.” *Precision Ag Alliance Fall Q3 2021*, September 23, 2021.
- Griffin, T.W. “US Farm Report – Tech Is the Future.” September 29, 2021.
- Griffin, T.W. “Machinery Replacement Strategies & Investment in Precision Ag.” *2021 Ohio State University Extension Ag Lender Seminars*. October 19, 2021. <https://u.osu.edu/aglenderseminars>
- Griffin, T.W., A. Hunt, and J. Fulton. “Discussing the History and Future of Agtech Apps and Infrastructure.” *Leaf*. December 13, 2021. <https://blog.withleaf.io/en/firesideappsandinfrastructure>
- Herbel, K.L., M.A. Dikeman. “KFMA 2020 Summary Farm Income Results and Projections for 2021 Net Farm Income in Kansas.” Webinar, www.AgManager.info, May 26, 2021.
- Herbel, K.L., M.A. Dikeman. “KFMA 2020 Summary Farm Income Results and Projections for 2021 Net Farm Income in Kansas.” Webinar, www.AgManager.info, May 26, 2021.
- Ibendahl, G.A. “Oil, Gas, and Diesel Outlook for 2021.” *Agriculture Today*, Radio, February 2, 2021.
- Ibendahl, G.A. “Fertilizer Price Outlook for 2021.” *Agriculture Today*, Radio, February 16, 2021.
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