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## Consumer connection, education goal of new Agriculture 360 app

By Donna Sullivan, Editor

Growing up on a cow/calf operation near Mayetta in Jackson County, there was never any doubt in Blake Chance's mind where his food came from. With home-raised beef in his freezer and fresh produce shared from neighbors' gardens, he clearly understood and experienced first-hand the hard work that goes into food production. But he didn't have to venture far from home to learn that it's not that way for the vast majority of today's population. Most people are now at least three generations removed from the farm and the grocery store is the only food source they've ever really known. The understanding of how it gets there varies widely and that disconnect is something Chance and many others find deeply concerning.

Having recently graduated from Kansas State University with a degree in ag business and a minor in entrepreneurship, Chance is committed to helping bridge that divide. He worked with a friend from college to develop an app called Agriculture 360, that is free to download on Google Play and is also free for both producers and consumers to use. There are currently more than 40 producers signed up, and Chance is working diligently to increase that number. He currently has producers from Kansas,



Growing up on a cow/calf operation near Mayetta, Blake Chance had first-hand experience with agriculture and food production. He believes it is important for the future of agriculture to connect consumers and producers and developed the Agriculture 360 app to help facilitate that.

Courtesy photo Nebraska, Iowa and Missouri, and hopes to have participants from each state in the nation within five years. He wants to function as a marketing service to those producers.

"There's so much that people don't know about ag, so it's a way for them get out and tour these places," Chance said. The app contains a map with icons for

finding the participating businesses. There is also a marketplace where producers can actually sell their products through the app, as well as a Learn tab that will feature discussions about agriculture. He also wants to eventually include stories about the participating producers as they explain what they do, how they do it,

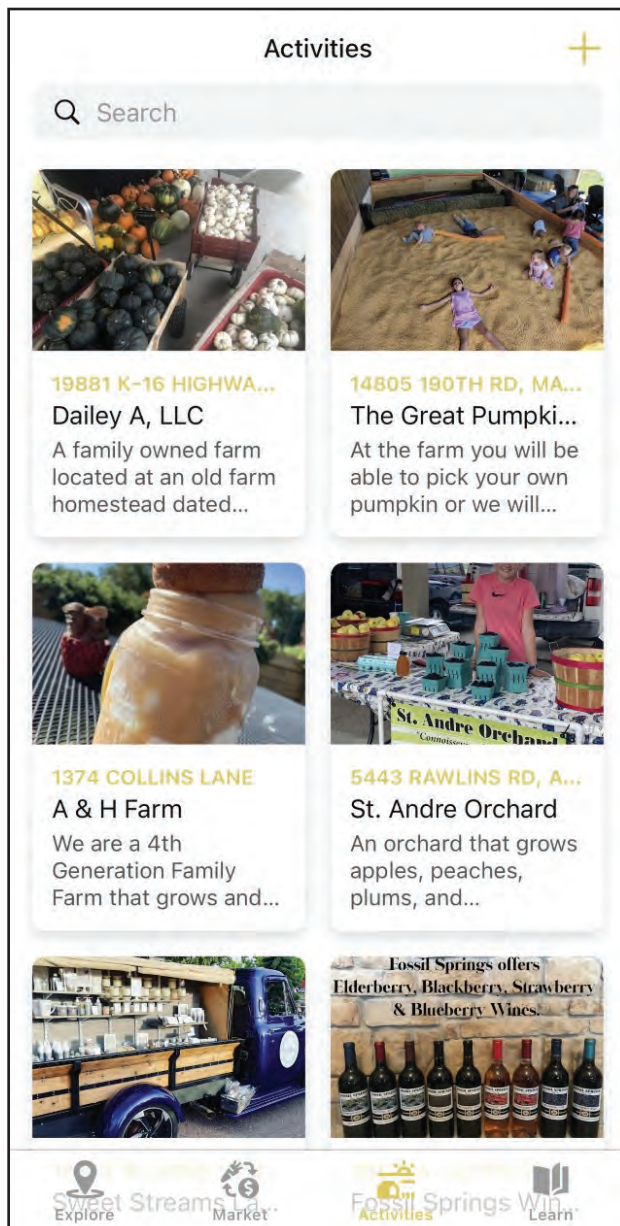
and discuss their individual operations.

Chance says the COVID-19 pandemic brought to light the need for producers to be able to sell their products directly to consumers. He hopes his app will give them another opportunity to do that. The increase in the interest consumers have in knowing where their food comes from is another impetus for the app. Chance believes it's important that consumers with questions have a good source of accurate information. "The future of agriculture depends on educating consumers so they will be for us, and not against us," he said.

Chance can be reached at [blakejchance@gmail.com](mailto:blakejchance@gmail.com) for more information. Agriculture 360 can be found on Google Play.

Chance said the feedback he's received from producers has been very positive. "They're really excited about it," he said. "They know we've got a long ways to go to build a brand and be able to market for them, but they know the importance of educating consumers."

"We're here to help better the ag community," he concluded. "We're just trying to get more producers on board, as well as consumers to use the app to find what they need. We want to educate people about agriculture and help provide local products."



An activities page introduces users to a wide variety of agribusinesses to visit and explore.

## Compound effects of heat, drought and wind pound Great Plains wheat

By Pat Melgares, K-State Research and Extension news service

Kansas State University researchers have published a study in the prestigious scientific journal, *Nature Communications*, quantifying the negative impacts that the triple punch of heat, drought and wind has had on wheat yields in Kansas and the surrounding region over the past 40 years.

Their findings are the first to quantify a connection between changes in the nation's climate and wheat production in the U.S. Great Plains – which spans South Dakota, Nebraska, Colorado, Kansas, Oklahoma and Texas.

Xiaomao Lin, a professor of agricultural climatology and a state climatologist in K-State's Department of Agronomy, said from 1982 to 2022, the number of hot-dry-windy events – known as HDW – "significantly ramped up in the U.S. Great Plains."

"The HDW events were the most impactful drivers for winter wheat loss,

accounting for a 4% yield reduction per ten hours of hot-dry-windy events during wheat's heading to its maturity stage," Lin said.

The researchers studied wheat production in the Great Plains as it relates to the Pacific Decadal Oscillation signal, a long-lived El Niño-like pattern of Pacific climate variability. The World Climate Service reports that the Pacific Decadal Oscillation can influence weather conditions across North America.

"In the simplest terms, we employed a statistical model that took the per-county winter wheat yields and broke them down to see how their variations and trends over almost 40 years aligned with various combinations of hot, dry and windy events during different plant growth stages, years, locations, the combined improvements of crop breeding and in-field agronomic management, and more," said Steve Welch, a professor of theoretical plant

modeling in K-State's Department of Agronomy.

He adds: "Once the model split these effects apart, it was possible to see what portions were associated with each of them, in particular, simultaneous hot-dry-windy events. The result is that the HDW effect was negative – meaning there were yield losses (in Great Plains wheat production) – and becoming more so."

Haidong Zhao, a doctoral student in K-State's Department of Agronomy and the article's lead author, said the effect of HDW events "are strongly associated not only in specific years but also in locations across the U.S. winter wheat belt, particularly those areas associated with the 1930s Dust Bowl."

Lin said the HDW events in the Great Plains were "atmospherically bridged" with the Pacific Decadal Oscillation signal. "This finding is extremely valuable," he said, "because it might provide avenues for predicting risks

to winter wheat yields in the U.S. Great Plains at decadal (ten-year) time scales."

The article in *Nature Communications* includes 14 researchers who initially set out to study whether HDW events had, indeed, increased in the U.S. Great Plains – and whether current conditions could be likened to the unprecedented Dust Bowl of the 1930s.

"As climates change, temperature and precipitation are heading in opposite directions over the U.S. Great Plains," Lin said. "Irregular droughts and expanded croplands are driving growing environmental problems, such as frequent dust storms and the increased breakdown of plastics that farmers use on their fields. Greenhouse gases are making heat waves more frequent."

Mary Beth Kirkham, a University-Distinguished Professor in Agronomy, added that Kansas, western Oklahoma and the Texas Panhandle are the

most windy inland areas in the continental U.S., and the windiest months are March, April and May – critical periods for grain-filling in winter wheat.

"Dry conditions, combined with heat waves and windy events, have a significant, negative impact on crop yields, livestock production and pasture conditions," Lin said. "This impact will be even worse under an unprecedented changing climate in the mid-term (up to the year 2050) and long-term (up to 2100)."

Farmers in Kansas and other affected areas should know that climate change is affecting their crop yields, he said, and compound extreme events are projected to increase in intensity, frequency and duration all over the world.

"Future climate change threats will depend on greenhouse gas emissions and pathways that are implemented to mitigate them, such as burning less fossil fuel and adjusting

climate-informed planting dates and cultivars," Lin said. "Also, it will be important to develop climate-resilient agricultural practices, such as finding drought-resistant wheat cultivars and disseminating knowledge-based supporting systems – such as high-quality, short-term agricultural climate forecasting information."

*Nature Communications* is considered one of the country's most highly regarded peer-reviewed scientific journals. According to its website, the journal receives approximately 50,000 submissions per year, and only 7.7% are accepted for publication.

Raj Khosla, head of K-State's Department of Agronomy, called the study "a testament of complex, multi-disciplinary work our faculty are accomplishing to assist our farmers in understanding wicked climate patterns and challenges related to climate, and how they can prepare themselves and their operations to respond to such challenges."

## KFAC receives grant for tower gardening pilot program

The Rural Education Center in Kansas State University's College of Education and the Kansas Foundation for Agriculture in the Classroom received a \$150,000 grant from the National Institutes of Food and Agriculture to attract students to degrees in agriculture and food science.

Career Awareness for Rural Agricultural Sciences Through Tower Gardening, or Project CARAT, will pilot the use of a vertical gardening curriculum to teach a range of agricultural sciences career-related skills to high school students.

USD 108 Washington County Schools is the pilot location for the project and is a member of the center's Rural Professional Development Schools Network. J. Spencer Clark, Rural Education Center director, and Lori Goodson, center assistant director, are co-principal investigators for the grant and have faculty appointments in the College of Education's department of curriculum and instruction.

While Project CARAT will begin in a rural school

district, researchers are already planning to share the curriculum online, making it available to any school. Following the completion of the pilot program, the researchers will offer professional development through telepresence or in-person for schools interested in implementing the curriculum as soon as fall 2023.

Nancy Zenger-Beneda is the lead principal investigator and serves as executive director of the Kansas Foundation for Agriculture in the Classroom, an affiliate program of K-State.

"This project directly supports the foundation's mission of connecting classrooms to Kansas agriculture by developing resources for educators that incorporates agricultural concepts into the core curriculum using experiential learning," Zenger-Beneda said. "These resources will lighten the burden of lesson planning for educators while providing high-quality learning for students in our rural schools and others interested in educating youth about agriculture."

Debbie Mercer, dean of the College of Education, believes there is power in unifying strengths.

"What's so effective about Project CARAT is that it will amplify the results of the otherwise siloed efforts of our organizations, and by working together, this program will introduce and entice students to consider careers in these much-needed fields," Mercer said. "This project will support rural secondary teachers on the front line of students making decisions about their majors."

The funding from the National Institute of Food and Agriculture is through Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge Grants Program.



Tower gardens similar to this can be used to connect students with food production and possible careers in agriculture.

Courtesy photo





Routine Reflections

By Kim Baldwin, McPherson County farmer and rancher

We've arrived at another intersection of old and new. A time where we say goodbye to one year while also welcoming another. The singing of Auld Lang Syne has been sung, well-wishes have been said, and new goals have been declared.

This is also a traditional

time of reflection. Whether it's looking back at the best movies watched, the total number of books read, the overall amount of rainfall measured or the number of acres acquired, we all have something to reflect on from the past year.

So many of these reflections tend to gravitate toward numbers as the form of official measurement. Understandably, it's a fair-

ly easy way to look at a specific period of time and determine the wins and losses; the things that worked and the things we learned from during a year.

On our farm, we take many numbers and create many charts and graphs to measure a variety of aspects from the year. From fuel prices, household expenditures, rainfall totals, market changes, sales, purchases and so much more. We can and do create visual measurements throughout the year, which allow us to reflect on a variety of areas.

To be honest, the visual measurements, while ap-

preciated, sometimes only provide a small glimpse into the overall area being measured and reflected upon. Some of the things we reflect on might highlight one's strengths or weaknesses or areas for improvement, while other reflections remind us that we have minimal control.

If anything, 2022 has reminded me that measurements and assessments don't always tell a complete story when it comes to reflecting on one's declared victories or admitted defeats at the end of a year.

Numbers might look good and the means of

measurement at a given point might suggest an anticipated positive outcome. But if the rain doesn't fall, or if it falls all at once, or a windstorm blows through, or hail hits, those numbers and outcomes change in an instant.

While I generally declare goals at the start of a new year, I have learned over time I won't have a hard start and stop time with a straight line in between for the sake of measurement. If needed, adjustments will be made along the way based on routine reflections to help me get to where I want to be.

And yes, while we have arrived at another intersection of an old year and a new year, we must recognize that there's traffic coming from multiple directions. In reality, it is how we react and adjust while mindfully reflecting throughout the year which will allow us the opportunity to continue to move forward, getting closer to our ultimate goals.

"Insight" is a weekly column published by Kansas Farm Bureau, the state's largest farm organization whose mission is to strengthen agriculture and the lives of Kansans through advocacy, education and service.

Farmer sentiment rebounds at year end on stronger 2022 income

Following a two-month decline and a year of weak sentiment, the Purdue University/CME Group Ag Economy Barometer closed out the year on a more positive note, rallying 24 points in December to a reading of 126. U.S. farmers were more optimistic about both their current situation and expectations for the future. The Current Conditions Index jumped 37 points to a reading of 135, while the Future Expectations Index increased 18 points to a reading of 122. The Ag Economy Barometer is calculated each month from 400 U.S. agricultural producers' responses to a telephone survey. The survey was conducted Dec. 5-9.

"The improvement in current sentiment was motivated by producers' stronger perception of current financial conditions on their farms and could be attributed to producers taking time to estimate their farms' 2022 income following the completion of the fall harvest," said James Mintert, the barometer's principal investigator and director of Purdue University's Center for Commercial Agriculture.

The Farm Financial Performance Index climbed 18 points to a reading of 109 in December. Notably, this

was the only time in 2022 that the index was above 100. The turnaround was driven by a sharp increase in the percentage of producers who expect better performance than last year, which jumped from 23% to 35% of respondents, and is consistent with USDA's forecast for strong net farm income in 2022.

The Farm Capital Investment Index climbed nine points to 40, the highest reading for the index since February; yet, it remains nine points lower than a year earlier. Among the nearly three-quarters of respondents who said it was a bad time for large investments, the most commonly cited reason was high prices for farm machinery and new construction (41%), followed by rising interest rates (28%).

Despite the improvement in farmers' perceptions of their financial situations, both the short- and long-term farmland value indices continued to drift lower in December. The short-term index fell five points to 124, while the long-term index declined four points to 140. When examined over the course of the last year, it's clear that sentiment among producers about farmland values has shifted. For example, compared to a year ago, the

percentage of respondents who expect to see farmland values decline in the upcoming year increased from 6% to 15%, while the percentage expecting to see values rise declined from 59% to 39%. Among producers who expect farmland values to rise over the next five years, just over three-fourths of them said that a combination of nonfarm investor demand and inflation are the main reasons they expect to see values rise.

Looking to the year ahead, the December survey asked producers to compare their expectations for their farm's financial performance in 2023 to 2022. Producers indicated they expect lower financial performance in 2023 and cited rising costs and narrowing margins as key reasons. Concerns about costs continue to be top of mind for producers. Nearly half (47%) of crop producers said they expect farmland cash rental rates in 2023 to rise above the previous year. Other top concerns for 2023 include higher input costs (45% of respondents), rising interest rates (22% of respondents) and lower crop or livestock prices (13% of respondents).

KFB to honor tradition, heritage of family farms

Kansas Farm Bureau is continuing in 2023 its recognition for "Sesquicentennial Farms" in conjunction with its annual "Century Farm" program. The Century Farm program honors Farm Bureau members who own farms of at least 80 acres within the same family for 100 years or more. The Sesquicentennial Farm recognition goes to farms in the same family for at least 150

years. "Kansas farmers and ranchers have a lot to be proud of," Joe Newland, Kansas Farm Bureau president, says. "One thing we take pride in is our value in the traditions and strong family ties through generations of rural living. Kansas Farm Bureau is honored to celebrate those through the Century Farm and Sesquicentennial Farms programs."

The deadline for consideration to be part of the 2023 programs is May 15. Kansas Farm Bureau has recognized 3,075 Century Farms and 88 Sesquicentennial Farms since their inception. Complete details for qualification and applications for both programs can be obtained at county Farm Bureau offices across Kansas or on the KFB website, [www.kfb.org/centuryfarm](http://www.kfb.org/centuryfarm).

'It's never too late to be what you might've been."
--George Eliot



Today is one of those weird days where I feel like I am in a holding pattern. The past year is in the rearview mirror but close enough that the memories of what happened are still very fresh. The new year has just started, and we aren't far enough into it to get a feeling for how it is going to go. Lambing is on the verge of starting but nothing yet. The cows are about six weeks from starting. One kid has gone back to college and the other leaves this weekend. This is that no man's land between Christmas and the grind of mid-winter.

Looking back on last year all I can say is, what a year. I am still not sure if it was a bad year or a good year. Most likely some of both. Personally, I feel so much better than I did this time last year. Again, I say if you are looking at getting a joint replaced, do it now, don't wait. I understand the reasons to wait but I feel so much better than I did a year ago. Was the process a lot of fun? No, but it was worth it in the end, and it gives me so much more hope and confidence to take on 2023. I will never take my health or mobility for granted again.

The weather gave us all challenges this past year and I know many of you faced a more daunting challenge than I did. It had a big effect on my bottom line but nothing like those of you facing multiple years of drought. I was not challenged like those of you who had to deal with horrible winter storms and their aftermath. For that I am grateful, and I do not take that lightly, my thoughts and prayers go out to those who faced hardships this past year. My turn will come probably sooner than later. Who knows what 2023 will hold for us? The weather is something we cannot do anything about but has everything to do with success and failure.

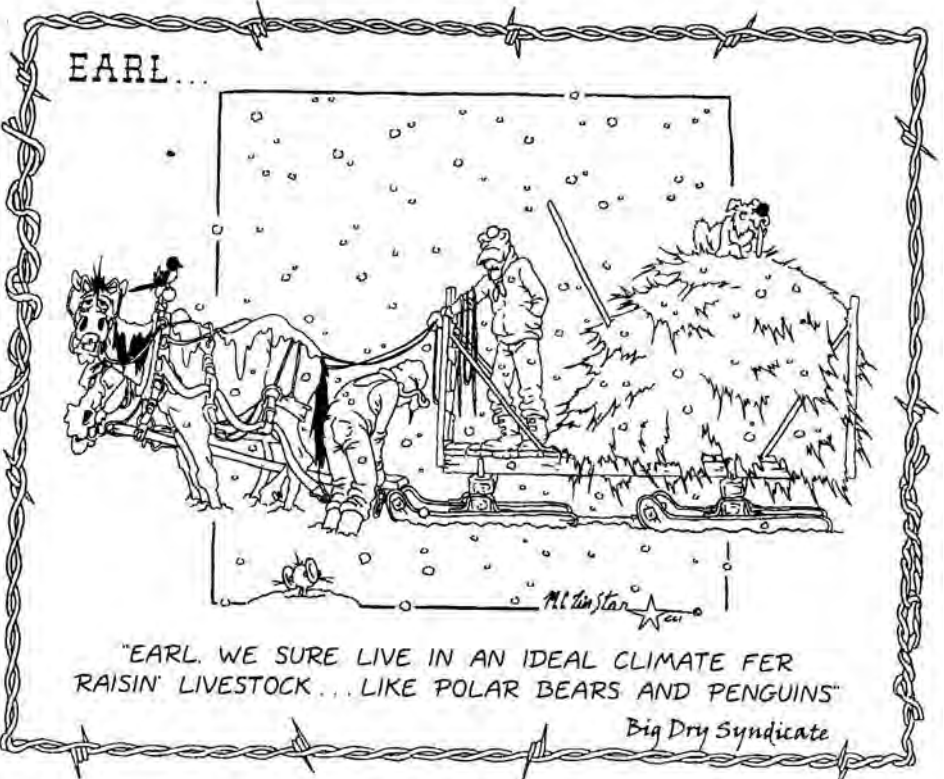
Then there were the man-made happenings in the world. I know everything happens for a reason and this past year is one that I plan to ask St. Peter about as soon as I walk through the gate. I would say it was all needless but then

again, I do believe there is a greater plan and that is what gives me hope. Never-the-less, the events of this past year effected our bottom lines and for many of us 2022 left a mark. The price of everything, especially fertilizer and fuel, reached ridiculous levels and there was not much we could do about it. Sure, we adjusted what we were doing but I defy anyone to say it didn't hurt their bottom line. Couple that with the volatility in the markets and the business end of agriculture was not much fun.

Who has any idea of what the next year will bring, the only thing I have learned from the last three years or so is that you should never say never. I have seen more things happen in those years that I never could have even dreamed up and that leaves me cautious and weary about what is around the bend. I guess a couple of things are for sure. First, we are witnessing history and second, life is not boring. I don't know about you, but I could use mundane and boring for a couple of years.

So, as I look back, was 2022 a good year or a bad year? We won't know for a few more years but right now I would say it trended more on the downside. I know there will be good and bad for every year and a lot of it is how you chose to view it. I like to think of myself as a glass-half-full guy, so I am focusing on my physical improvements. As for what next year will bring, who knows? I am going to focus on the good because pessimism will not get you anywhere or at least that is what I am going with.

I will say the last two weeks of 2022 were spent with both kids and all of my immediate family. We had a lot of fun together and even got some work done so I am calling that a win. Last year might not have gone so good but it certainly ended on a high note. Let's all find our seats and fly right into 2023. If I were you, I would fasten my seatbelt, I would almost guarantee we will hit some turbulence. Let's just hope that turbulence is thunderstorms bringing rain.



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## Drought continues into 2023

The new year is beginning with more of the same, according to Oklahoma State University Extension Livestock Marketing Specialist Derrell Peel. He said the U.S. has been in significant drought since late 2020 and those conditions are continuing into 2023. The final Drought Monitor of 2022 showed that 74.05% of the U.S. is abnormally dry or worse (D0-D4), with 49.65% of the country falling in the D1 to D4 levels.

Peel explained the drought categories can be combined into the Drought Severity and Coverage Index (DSCI), which can range from 0 to 500 and currently stands at 165 for the U.S. He said the DSCI for the U.S. has been 150 or above for the last 117 consecutive weeks, which is the longest period in the 23-year history of the Drought Monitor.

On a state level, 17 have a DSCI above 150, with most being in the central plains and western U.S. Six states, including Kansas, California, Nebraska, Nevada, Oklahoma and Utah, have a DSCI over 300. Peel said these six states had 6.64 million head of beef cows at the beginning of 2022, accounting for 22% of the total beef cow herd, but most likely have seen significant herd liquidation over the last year and will face more if conditions do not improve.

Although drought remains a concern and conditions are unlikely to improve during the winter, Peel indicated there is some hope on the horizon. He said the current outlook map provided by the Climate Prediction Center predicts La Niña conditions will fade to neutral by spring, thus reviving some potential for improved conditions heading into the growing season.

## USDA bioproduct funding paves way for soy oil rubber to hit the road

The U.S. Department of Agriculture has announced projects that will be funded through its National Institute of Food and Agriculture's Bioproduct Pilot Program, and the news is good not only for the soy industry, but also rural areas where road repair can be costly and all too short-term. USDA's \$9.5 million investment in sustainable U.S. bioproduct manufacturing will fund research and development of value-added products from agricultural commodities, including soy.

The innovative soy project, run by Soylei Innovations of Ames, Iowa, transforms high oleic soybean oil into thermoplastic rubber for pavements, and has had the support of ASA and its farmer leaders.

Daryl Cates, American Soybean Association president and a soy grower, commented on the merits of the project and ASA's involvement, saying, "This soy bioproduct has layers of potential, including extending how long road repairs for existing surfaces can last and providing a less costly paving solution nationwide – something even more important in rural communities where tax revenues for road paving and maintenance budgets are scant. We are very proud to have supported both development of the Bioproduct Pilot Program and this soy asphalt project, specifically."

The NIFA Bioproduct Pilot Program is a two-year program that was authorized and funded by the Infrastructure Investment and Jobs Act. ASA worked with Senator Mike Rounds (S.D.) and South Dakota Soy to encourage its inclusion in the legislation.

ASA has supported soy asphalt innovations including this project and others being led in Iowa, and similarly, asphalt projects in additional soy states. Many of the projects, like those selected

for the Bioproduct Pilot Program, maximize a two-prong, company/university partnership approach to innovation: Iowa State University, through the backing of the United Soybean Board and Iowa Soy, contributed heavily to the Soylei project. Soy-based asphalts have been piloted for some time on Iowa's highways, and this program provides Soylei and Iowa State additional resources to further scale up development of soy-based asphalts.

The Soylei project speaks to the core mission of the Bioproduct

Pilot Program, which was designed to spur economic activity in the nation's rural areas while lowering commercialization risks associated with bringing biobased products to market. According to USDA's release, "The program's exploration into bioproducts accelerates USDA's efforts to develop circular bioeconomies, where agricultural resources are harvested, consumed, and regenerated in a sustainable manner." The program aligns with the administration's efforts to promote biotechnology and biomanufacturing.

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## NALF elects new board of directors

The North American Limousin Foundation (NALF) elected new members and officers for its board of directors during the annual meeting held in Oklahoma City, Okla. on Monday, January 2, 2023. Those newly elected to serve the Foundation for three-year terms are, George Hubbard, Miami, Okla. and Mark Haden, Rogersville, Mo.

Bruce Lawrence, Anton, Texas, was selected to serve as the NALF president again. Dan Hunt, Oxford, Neb., will serve on the board as ex-officio. Wade Beckman, Robert, Idaho, was chosen to serve as vice president. The remaining executive committee consists of Ronn Cunningham, Rose, Okla., as secretary; Randy Corns,

Altoona, serving as treasurer; and Jerry Wulf, Morris, Minn., as member-at-large.

The additional breeders on the board of directors include, Joey Freund, Elizabeth, Colo.; Troy Gulotta, Independence, La.; Austin Hager, Karlsruhe, N.D.; Bart Mitchell, Wauzeka, Wisc.; Jay Wilder, Snook, Texas; Kevin Ochsner, Kersey, Colo.; Rob Brawner, Wood Lake, Neb.; Lance Sennett, Waynetown, Ind.

The North American Limousin Foundation would like to thank the two retiring board members for their service. The retiring members are Curt Wiczorek, Mount Vernon, S.D., and Joe Moore, Raphine, Va.

## McDonald's updates antibiotics use policy for beef supply chain

McDonald's has updated its antibiotics stewardship policy to encourage beef suppliers around the world to reduce their use intensity, *Meatingplace* reports.

Specifically, the update of the policy, first implemented in 2018, establishes responsible use targets in ten markets that make up 80% of McDonald's global beef supply chain: Australia, Brazil, Canada, France, Germany, Ireland, New Zealand, Poland, the U.K., and the United States.

"Reduction remains an intended outcome of our responsible use commitment, while allowing for the treatment of sick animals, aligned with herd veterinarian direction," the company said on its website.

Critics noted the update comes after a two-year delay in releasing reduction targets tied to the 2018 policy, and while it encourages U.S. suppliers to drastically lower antibiotics use intensity, it doesn't detail a rollout plan or time-bound completion date.

McDonald's said it will update progress by the end of 2023. The company said it is prioritizing data collection, with the help of independent third parties, to help drive positive behavioral change and transparency.

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Kansas Rural Center Uses Local Food Promotion Program Grant To Build “Central Kansas Food Corridor”

North Newton – As part of its mission to promote the long-term health of the land and its people, the Kansas Rural Center (KRC) is pleased to announce its recent acceptance of a Local Food Promotion Program grant from the USDA's Agricultural Marketing Service (AMS).

This project will see KRC and partners, Common Ground Producers and Growers, Kansas Wesleyan University and St. John's Baptist Church of Salina working to create a “food corridor” along Interstate 135 that bridges Wichita and Salina in central Kansas, in which a new food hub will be established. Over the next three years KRC will work to bring farmers together to form a new food hub organization to assist with the aggregation and marketing of locally produced agricultural products and deliver them throughout the region. Additional work will be done to connect with food purchasers and wholesale markets and make sourcing local products easier for buyers.

“We're excited to continue our work of supporting small farmers and rural communities with this food hub project!” said Ryan Goertzen-Regier,

the Farmer Engagement Coordinator for the grant. “By forming an organization that will assist existing farmers with scaling up, marketing, and delivering their local food products I hope to see the barriers to entering farming reduced for young and beginning farmers as well, who otherwise may have an extremely difficult time getting their farm businesses up and running.”

Other aspects of the project will focus on delivering fresh produce and local foods to food deserts and other areas with low access to healthy foods. The food hub's distribution network will assist easier movement of local food throughout the region.

“Working together is the key to building thriving communities, and we're thrilled to be working with Common Ground Producers and Growers, Kansas Wesleyan University and St. John's Baptist Church of Salina to strengthen local food systems across central Kansas,” said Kansas Rural Center's Executive Director, Tom Buller.

In the upcoming months Kansas Rural Center staff will be gathering with farmers and ranchers from across a

twelve county region to begin assessing farmer interest and capacity for the formation of the food hub and what legal structure it should utilize. Parties interested in becoming a seller or buyer of local foods in Sedgwick, Reno, Butler, Harvey, McPherson, Marion, Rice, Ellsworth, Saline, Dickinson, Ottawa and Lincoln counties can stay informed by signing up for Kansas Rural Center's mailing list at <https://kansasruralcenter.org/newsletter> or contacting [foodhub@kansasruralcenter.org](mailto:foodhub@kansasruralcenter.org).

*Funding for “Building the Central Kansas Food Corridor: Creating a Food Hub and Delivery Network to Serve Communities Along Interstate 135 in Kansas and Increase Food Access” was made possible by the U.S. Department of Agriculture's (USDA) Agricultural Marketing Service through grant AM22LFP-PKS1095-00. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the USDA.*

For more information about the Kansas Rural Center, visit <https://kansasruralcenter.org/>, call 866-579-5469, or email [info@kansasruralcenter.org](mailto:info@kansasruralcenter.org).

Prepare For The Spring By Starting Onion Plants Indoors

**By Maddy Rohr, K-State Research and Extension news service**

MANHATTAN — Starting the new year with indoor gardening is a great way to prepare for spring, said Kansas State University horticulture expert Ward Upham, who encourages onions to be started in January.

“Onions are one of the first plants to be seeded for transplanting because this crop takes a significant amount of time (6-8 weeks) to reach transplant size and because they can be set out relatively early (late March in much of eastern and central Kansas),” Upham said.

Upham said onion seeds should be placed 1/2 to 3/4 inch apart in a pot or a flat filled with seed starting mix.

“Place the container in a warm (75-80 F) lo-

cation until young seedlings emerge,” Upham said. “Move to a cooler location (60-65 F) when the seedlings are 1-2 inches tall.”

Upham recommends plenty of natural or fluorescent light as well. Begin fertilizing when the plants become 2-3 inches tall.

“Onion seedlings tend to be spindly with the remains of the seed sticking to the end of a leaf for several weeks. Encourage stockiness by trimming the ends of the leaves when the plants reach 4-5 inches tall,” Upham said.

Onions can be moved to a protected outdoor area beginning in March.

“You may have to move them inside temporarily to protect them from extreme cold snaps,” Upham said.

Upham and his colleagues in K-State's Department of Horticulture and Natural Resources produce a weekly Horticulture Newsletter with tips for maintaining home landscapes and gardens. The newsletter is available to view online or can be delivered by email each week.

Interested persons can also send their garden and yard-related questions to Upham at [wupham@ksu.edu](mailto:wupham@ksu.edu), or contact your local K-State Research and Extension office.

*Links used in this story: K-State Horticulture Newsletter, <https://hnhr.k-state.edu/extension/info-center/newsletters/index.html> K-State Research and Extension local offices, <https://www.ksre.k-state.edu/about/statewide-locations.html>*

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Grass & Grain, January 10, 2023

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# Prairie Gal Cookin'

Recipes and Ramblings from the Farm

A Home Of Hospitality

**By Ashleigh Krispense**

A couple weeks ago, I wrote about a different kind of New Year's Resolutions. From intentionally setting aside devotional time and shutting off the news to simplifying your space and setting the dinner table with a tablecloth and pretty dishes, the list included several simple changes you could “resolve” to make in the new year. Changes that would help you to slow down and savor the simple moments in your day, because once you begin appreciating the ordinary, an entire world opens up of blessings to be grateful for.

Today, I'd like to share about something else that I've been pondering for awhile (and that was further inspired by a new book I picked up) — The act of opening both your heart and your home. Now don't panic, it doesn't have to be a grand gesture of inviting someone to live in your house for the next month, but rather something that can be done in several other small ways. We can practice hospitality even when the schedule is busy and the days are full. Here are some simple suggestions for ways to include everyday hospitality without feeling frantically overwhelmed:

**Start Simple**

Honestly, there are seasons in life when sometimes we just don't socialize as much with one another. When the house seems too messy or unprepared to welcome guests or you have no time to cook a meal, consider starting outside the home. Call a friend and invite them out for coffee at your favorite local nook. Set aside an hour to visit and catch up, without the worry of getting

the house company-ready.

**Work on Daily Habits**

Growing up, the kitchen was often cleaned in the evening before bed. In my own house, evenings are generally a time that we try to relax and enjoy a meal together, so dishes can be done the next morning. Regardless of when you do your chores, try to do enough each day that you can leave the home mostly picked-up before you walk out the door for the day. This will help you avoid panic moments when visitors drop by.

**Don't Strive for Perfection**

You live in this house. It is your home. Your friends don't need to be brought in to a show house. They love you and want to be a part of your life, so work on welcoming them into your life even when there are some dishes in the sink and a stack of shoes by the door.

**Just Crock-Pot It**

It doesn't matter if the Crock-Pot or Insta-Pot is your weapon of choice — Just use it! It can make having a few friends over in the evening a breeze when you've already filled (and started!) the crock-pot earlier that morning. For an easy side for dinner, use a bread machine to whip up a warm loaf of bread.

**Dining Alfresco**

Many have heard about the Turquoise Table book a few years back that inspired the bright blue wooden tables to start popping up in yards across the country. The thought of simply enjoying a cup of coffee outside at the table (rather than stressing about having people inside) can be even done with full meal or a game of cards. When the weather allows, take advantage of the beautiful days and get a little

fresh air as you mingle with those around you.

**Keep Your Favorites on Hand**

It might seem a little old-fashioned to have a pitcher of lemonade in the fridge waiting to be offered to guests, but there really is something about being offered a small snack and drink that can make people more comfortable and relaxed. Make sure to keep some favorite recipes handy in case you need to mix up a fresh pitcher of iced tea or make a small batch of brownies.

**Make It Known**

Don't just decide in your mind to be more open and hospitable, but make it known to those around you. If you're comfortable with it, let your neighbors, family, and friends know that there is always extra room at the dinner table. Even if it's leftover soup and an extra plate of stovetop biscuits or something that you whipped up as they walked in the door, keep an extra seat open.

**Set Goals**

If this is a journey that you would like to undertake in the next year, consider setting goals to work towards. From having friends over for a quiet coffee date to keeping a dedicated guest room in the house with a freshly-made bed, some extra toiletries, and plenty of cozy conveniences. It doesn't have to be extravagant, just a tidy place to relax.

I hope something on this list inspired you! I know I'm looking forward to changing some things up in our home and if you have thoughts, suggestions, or even a project that you'd like to share with me, feel free to email me at [contact@prairiegalcookin.com](mailto:contact@prairiegalcookin.com)

*Ashleigh is a freelance writer and the gal behind the website, Prairie Gal Cookin' ([www.prairiegalcookin.com](http://www.prairiegalcookin.com)), where she shares step-by-step recipes and stories from the farm in Kansas.*

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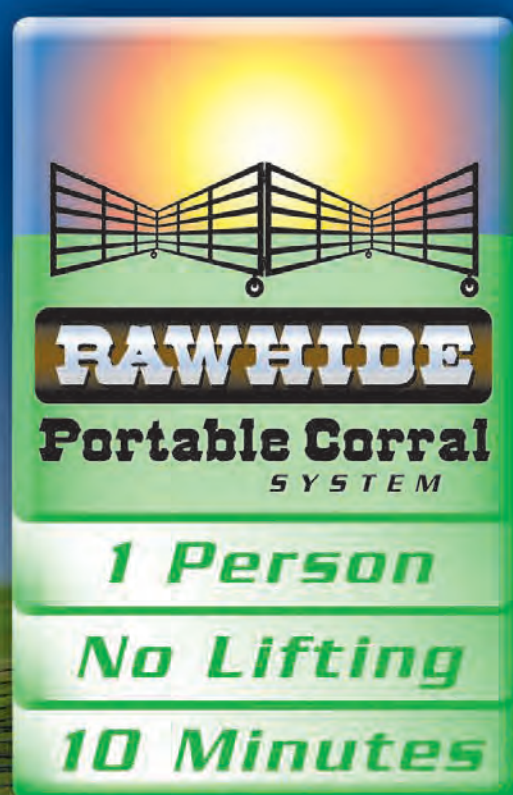
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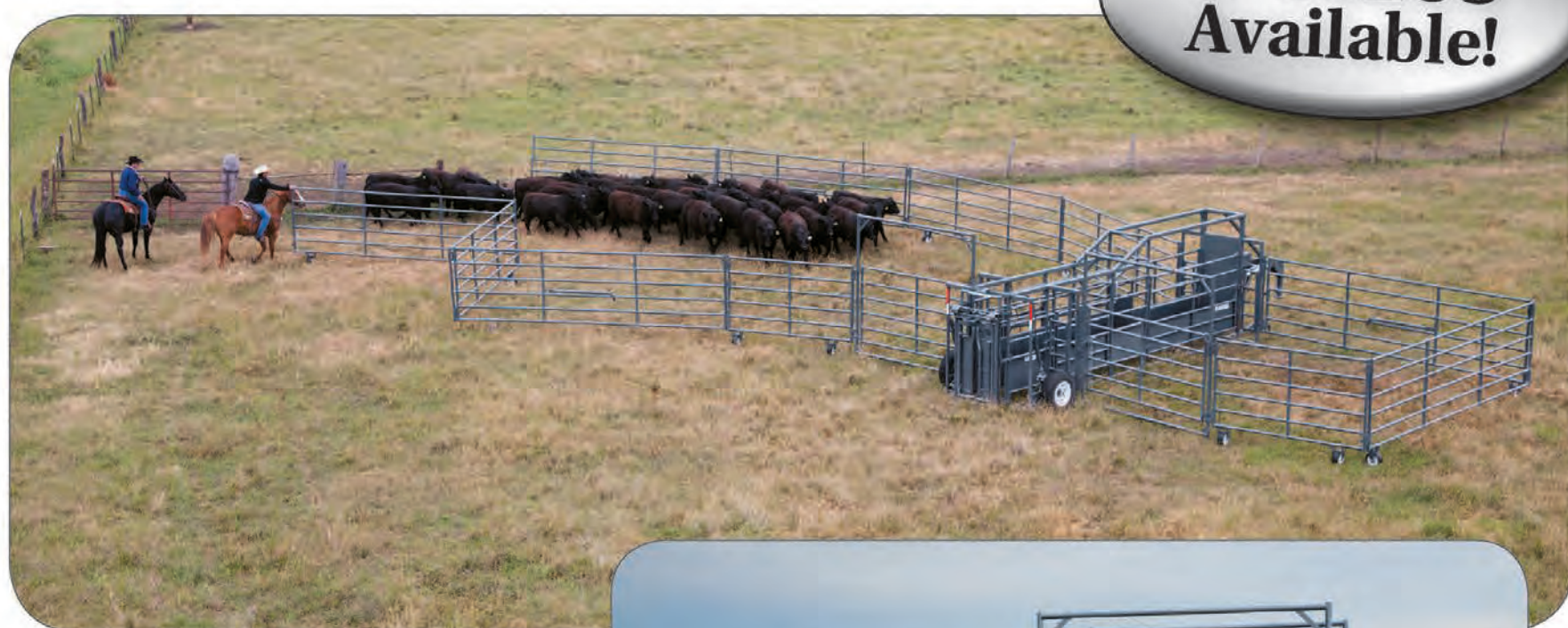
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Once again, from the pages of newspapers past, come the most interesting accounts:

Weston Steam Ferry – Captains Wells & Washburn would respectfully announce to the citizens of Missouri and Kansas, that they have just received their magnificent Boat, the “Tom Brierly,” from Pittsburg, where she was built the past

winter under the special superintendence of the proprietors. She is the largest and staunchest Ferry Boat afloat on the Missouri river, and is capable of carrying at one crossing 100 cattle. The road to the crossing from both sides of the river are the best in the country. The charges for ferriage are as liberal as any on the river.

The subscribers feel con-

fidant in saying that they have a boat that can and will make her crossings the “year round,” thus obviating the difficulties consequent upon a small boat of little power.

Thankful for past favors, we respectfully solicit a continuation of the same, W&W From the December 4, 1857, Leavenworth Journal.

This announcement appeared in the advertising section of the paper. What an incredibly exciting notice!! There are so many rich details in this little ad that beg for more details. What a marvelous spectacle it must have been to have seen cattle loaded onto a ferry to be carried across the Mighty Mo! What an incredible journey to travel to Pennsylvania and watch great steam-

boats being built! What an exciting day when the boat arrived in the Kansas Territory!

My friend, Marianne Tennant, has joined the ranks of Leavenworth tour guides. There is simply no one who is more fun or entertaining and we were discussing the rich history of Leavenworth and which stories she should share with her clients.

All of them!

Time never permits all the stories, but there is simply no end to the rich stories contained in the annals of the “First City of Kansas.” Later on this year, the Santa Fe Trail Association’s Symposium will be held in Independence, Mo., and a trip to Fort Leavenworth will be part of that week’s events.

Grass & Grain, January 10, 2023

No matter how much time I spend researching the town or the fort, there are always little surprises along the way – like the discovery of the Tom Brierly. Now I am on a mission to find out the fate of this storied vessel!

Feel free to share your own discoveries with me. I won’t share them unless

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you want me to. I can keep a secret – if I have to!

Deb Goodrich is the host of the Around Kansas TV Show and the Garvey Texas Foundation Historian in Residence at the Fort Wallace Museum. She chairs the Santa Fe Trail 200, marked from 2021-2025. Contact her at [author.debgoodrich@gmail.com](mailto:author.debgoodrich@gmail.com).

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# 2022 Agricultural Land Leasing Arrangement Survey is now available

By Luke Byers, Crop Production agent,  
River Valley Extension District

As of December 13th, 2022, the River Valley Extension District Land Leasing Arrangement Survey is available to the public. Anyone who operates a lease of farm ground within the Extension district, either for cropland or pastureland, is encouraged to fill out a copy of the survey. This will help both the local Extension service and your own farm enterprises by compiling a pool of data that reflects the trends of farm ground leasing practices in each county of the Extension district.

This year's survey is divided into three brief sections: a Demographic and Employee Information section, a Cropland Lease section, and a Pastureland Lease section. If you only lease cropland and not pastureland, you do not need to fill out the Pastureland Lease section. Likewise, if you only lease pastureland and not cropland, you do not need to fill out the Cropland Lease section. Also, if you do not employ any farm employees, you do not need to fill out the Employment Information portion on the first page of the survey.

## Putting premiums in the cattleman's pocket

By Morgan Boecker

Through genetics and progressive management, the opportunity exists for cattlemen to earn premiums on cattle sold.

Those premiums translate to more high-quality product available to the consumer through retail or restaurant avenues. When they choose the Certified Angus Beef® brand, it boosts demand.

"Folks want the best beef, and they seek it out," said Paul Dykstra, Certified Angus Beef (CAB) director of supply management and analysis. "As a result, the premium structure of the beef industry has developed around the brand and the attributes that it represents."

During Angus University at the 2022 Angus Convention in Salt Lake City, Utah, CAB shared ways producers focused on raising high-quality beef can be more connected with the brand.

The first of its kind, CAB got its start in 1978. Since its inception, 101 other USDA-certified beef brands developed, and as of now, 80 of those also have Angus in the name.

While the competition is growing, the brand's team of 150 diligently works to differentiate CAB from the rest of the pack. Consumers can feel confident purchasing the Certified Angus Beef® brand, a high-quality product that is the result of Angus farmers' and ranchers' commitment to quality.

As demand grows, producers receive these market signals in the form of premiums throughout the supply chain. Capturing those takes genetic, marketing and management strategies.

### Marketing for a Premium

"The best way for cattlemen to engage with the brand is to help increase supply," said Kara Lee, CAB director of producer engagement.

Accessible premiums motivate that. Nearly 85% of North American packing plants are licensed to

certify carcasses into the Certified Angus Beef® brand.

The first and most simple piece of CAB qualification is that cattle be predominantly black-hided, defined as having no white behind the shoulder, above the flanks or breaking the midline (excluding the tail). According to USDA data, more than 70% of fed cattle are Angus-influenced and meet these criteria, Dykstra said.

Then, those eligible carcasses must meet all ten of the brand's specifications: (1) modest or higher marbling, (2) ten to 16-square-inch ribeye area, (3) 1,100-lb. or less hot carcass weight, (4) one inch or less fat thickness, (5) medium or fine marbling texture, (6) 30 months of age or younger, (7) superior muscling, (8) no neck hump exceeding two inches, (9) practically free of capillary rupture, and (10) no dark cutters.

In 2021, CAB premiums reached \$182 million, or roughly \$500,000 paid daily by licensed packers to owners of cattle qualifying for the brand. That incentive is the market communicating strong demand for the leading brand of premium beef.

"CAB premiums are happening all through the supply chain, even if it doesn't always get its own line item on a receipt," Dykstra added.

Farmers and ranchers have a history of success in hitting a market target with a financial reward. While retaining ownership through the feedyard is the most direct way to earn CAB premiums, there are more ways to capture some of that.

Cattle should be marketed in a way that communicates the potential value they hold under the hide. For seedstock breeders, it's by making sure customers know this potential and the value of

Even if you are unable to complete all the questions in all the applicable sections, we would still appreciate it if you would be willing to send us your partially completed survey. Any, and all information is valuable to our analysis of land leasing arrangements in the River Valley Extension District, and we desire to be able to share that information with you.

The survey is available in multiple formats. A paper copy is included in this month's newsletter and can be acquired by contacting any of the local Extension offices in the River Valley District. Copies will also be available at many of the local bank branches in the district but be sure to call ahead to check for availability. Surveys can be submitted in person or mailed to any of the local extension offices, or they can be scanned and emailed to either Luke Byers at lsbyers@ksu.edu or Kaitlyn Hildebrand at khildebrand@ksu.edu. Both Luke and Kaitlyn are also more than happy to come and visit you on your farm to help you fill out the survey at your convenience. This year, we are also offering a digital version of the survey that can be filled out and submitted completely online. To access the digital

the genetics they're buying, Dykstra said.

"When those commercial feeder calves are weaned in the fall, a phone call to a feedyard or cattle buyer is a basic but great place to start. If they've got the genetics backing them up, that's greater marketability for the seller," he said.

### The Right Genetic Base

The more cattlemen produce for the brand, the more beef CAB-licensed partners can sell. Last year that total came to 1.234 billion pounds, the second-highest sales year on record. The brand's goal is to sell more than two billion pounds annually.

"We first have to put two billion pounds of the Certified Angus Beef® brand in a box, and we don't do that today," Lee said. The recent average acceptance rate into the brand is 35%, but it needs to be closer to 50% to reach that goal.

"The number one reason carcasses are not successful in earning the brand most often comes down to marbling," Dykstra said. "That's why we talk about it a lot."

Marbling is a lifetime event and highly heritable, so it's an easy place for Angus breeders to start. The correlations are relatively weak between marbling and many other traits that are important to cow-calf producers, like performance and maternal function, Lee said. Those weak correlations allow for simultaneous progress across multiple traits in a cow herd.

For Angus breeders who put an emphasis on carcass genetics, an easy tool to identify animals with greater potential for those traits is the Targeting the Brand™ logo. Any registered Angus animal that meets a minimum expected progeny difference (EPD) for marbling of +0.65 and Value Grid

Index (\$G) of +55 can be marketed alongside the Targeting the Brand logo.

Cattlemen need a balanced cow herd, ensuring cows and bulls are also phenotypically correct. Targeting the Brand is simply a marketing tool – a threshold – to quickly identify those bulls and females with the genetic potential to produce more CAB qualifiers. But it also gives them latitude to look for other economically important traits needed in their commercial programs, Lee said.

After marbling, a ribeye too large, heavy hot carcass weight or excessive backfat are the next most common areas where cattle miss certification for the brand.

"We're not going to capitalize on mating decisions at the consumer level for a few more years," she said. "So we have to live with those decisions for a long time, whether they're good or bad."

With genetics only part of the equation, responsibility falls on cattlemen and women to manage cattle and resources for optimal performance.

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An easy and effective way to communicate how cattle are cared for at the ranch is through Beef Quality Assurance (BQA) certification or an equivalent program. "But we really need you to tell us that you're certified," she said.

"Not because we think farmers and ranchers are doing things wrong and we're trying to fix their

version of the survey, please visit our website at [www.rivervalley.k-state.edu](http://www.rivervalley.k-state.edu) or use either of these links:

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[https://kstate.qualtrics.com/jfe/form/SV\\_4VKKnFebnviqr14](https://kstate.qualtrics.com/jfe/form/SV_4VKKnFebnviqr14) (cropland)

All surveys will need to be submitted to one of the local Extension offices by Monday, February 17th, 2023, so if you plan to send your survey in the mail, please mail it a few days earlier than the deadline. Luke Byers and Kaitlyn Hildebrand will be hosting a meeting on Tuesday evening, February 21st, 2023, in Clifton to review the data retrieved from the survey and discuss important points with local producers from around the district. A meal will be provided at the meeting as well. We hope that many of you from across the four counties in our district will choose to participate and help us to deliver leasing data that you can trust. If you have any questions, please contact Luke Byers in the Clay Center office at (785) 632-5335 ext. 203 or Kaitlyn Hildebrand in the Concordia office at (785) 243-8185 ext. 304.

ways. We're trying to help producers get more credit for the things already being done," Lee said.

That's why CAB launched a rancher-facing campaign called "Cut the Bull." The campaign highlights BQA certification as a tool for truth for farmers and ranchers to verify the good work they do every day raising cattle. If interested, cattlemen and women can share their BQA or equivalent certificate at [CutTheBull.info](http://CutTheBull.info).

Little details go a long way in differentiating the

brand from other programs. It helps consumers feel good about their beef and keeps them reaching for the Certified Angus Beef® brand on grocery store shelves.

"The new dollars in our business come from the consumer," Dykstra said. "We get to share consumer dollars back through the beef supply chain based on what we've achieved at CAB by each player capitalizing on a margin opportunity. Otherwise, they wouldn't do it."



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# Take the chill out of early-season lambing, kidding

Lambing and kidding season may typically be associated with spring-time, but more and more producers are shifting to get newborns on the ground earlier. Lambs and kids born in the first few months of the year have more time for growth and will be heavier at weaning – benefits for both the production and show sides of the industry.

Maximizing the benefits of earlier lambing and kidding means minimizing the impacts of cold-weather stress on ewes and does, as well as newborn lambs and kids.

“Regardless of whether you’re in Arizona or Michigan, taking a few extra steps to prepare ewes and does to lamb or kid earlier in the year will help

you manage the impacts of colder weather on your animals,” says Clay Elliott, Ph.D., small ruminant nutritionist with Purina Animal Nutrition.

Keep these winter tips in mind when preparing for lambing or kidding in colder temperatures:

**Start with mineral**

When you think about winter feeding and management, you likely think of heat lamps, barn ventilation, warm bedding, or other tried and true tips that help provide a smooth lambing or kidding experience in cold weather.

But, Elliott says one thing is more important – feeding a quality mineral.

“To me, mineral is absolutely the most important step,” says Elliott. “The last thing you want to deal

with in below-freezing temperatures is lambing or kidding issues. Feeding a quality mineral can help get babies on the ground with fewer issues.”

**Monitor body condition score**

Cold temperatures mean ewes and does need to expend more energy to maintain normal body functions and regulate temperature. Evaluating body condition score (BCS) before lambing and kidding can help ensure ewes and does have the proper amount of energy to keep themselves warm, recover from birth and tend to their newborns.

“I’m a firm believer that ewes and does should be in at least a BCS of 3, or even a 3.5, before lambing and kidding,” says Elliott.

“If they have a little extra energy, they’ll be more durable and more prepared.”

**Feed more forage and water**

One way to help ewes and does maintain body condition when lambing or kidding in colder temperatures is feeding more forage.

“When animals metabolize feed, the process creates heat that can help keep them warm,” says Elliott. “Hay or forage creates more heat than other feeds like corn or fats because animals must spend more time breaking down forages in the digestive system.”

The other side of the coin is water. Providing animals with fresh, clean water and frequently checking to ensure water

sources aren’t frozen is essential to help with digestion.

“It’s a combination of forage and water that will help animals stay warmer,” adds Elliott.

**Keep newborns warm and dry**

Newborn lambs and kids are tougher than you might realize. They can handle a lot and continue to thrive. One thing they can’t handle is not getting dry quickly enough after birth.

“Hypothermia is a big concern for newborn lambs and kids – no matter the temperature,” says Elliott. “Any time newborns are wet and there’s a breeze, they will get cold.”

If the ewe or doe isn’t drying off a newborn immediately after birth, you

may need to dry it with a towel. Heat lamps can also be a good tool for newborns that do get cold or in extremely cold weather.

“The biggest thing is making sure lambs and kids get dry and start nursing so they can have a strong start,” says Elliott. “If you have those two things covered, they can withstand a lot from that point on.”

With a few proactive nutrition and management steps, you can capitalize on the benefits of earlier lambing and kidding while reducing the impacts of cold weather stress on your animals. Contact your local Purina nutritionist or visit [purinamills.com](http://purinamills.com) to learn more.

# Can dogs catch a whiff of bovine respiratory disease?

**By Kay Ledbetter**

A Texas A&M AgriLife researcher is taking a page out of human disease research to see if dogs might be able to sniff out bovine respiratory disease, BRD, one of the largest health challenges for the feedlot cattle industry.

Courtney Daigle, Ph.D., an animal welfare specialist in the Texas A&M Department of Animal Sci-

ence in the Texas A&M College of Agriculture and Life Sciences, and her doctoral student, Aiden Juge, are beginning the second round of training to determine if dogs can routinely and accurately detect BRD in cattle.

She works with BRD expert John Richeson, Ph.D., from West Texas A&M University in Canyon, and dog training ex-

pert Nathan Hall, Ph.D., from Texas Tech University. Hall specializes in canine olfaction, otherwise known as a dog’s sense of smell, and Richeson supplied the first set of nasal swabs from cattle used in the pilot study.

The results of the team’s first study were recently published in two major journals: Canine olfaction as a disease detection technology: A systematic review in *Applied Animal Behaviour Science*, and Using Canine Olfaction to Detect Bovine Respiratory Disease: A Pilot Study in *Frontiers in Veterinary Science*.

Currently, cattle health is evaluated at the group level, resulting in mass administration of antimicrobials to an entire group, irrespective of individual animal health status.

— BRD is a leading worldwide cause of cattle morbidity and mortality due to the lack of reliable testing and limited vaccine efficacy.

— Cattle with BRD are challenging to identify and diagnose.

— The prevalence of BRD in U.S. feedlot cattle has been reported at 16.2%.

“We propose that appropriately trained dogs will accurately and rapidly predict BRD risk in individual cattle, and communicate that information to humans in real time, resulting in a targeted approach to controlling BRD using antimicrobials,” she said.

truly need intervention would reduce drug cost and use compared to the current methods. Additionally, this will demonstrate that the livestock industry is demonstrating improved antimicrobial stewardship and promoting cattle welfare, while providing the global population with high-quality protein.

**The pilot study**

Knowing that dogs can identify humans and animals affected by a variety of diseases based on scent, Daigle’s team set out to determine if the canines’ olfactory systems can distinguish between patterns of volatile organic compounds produced by healthy tissue versus tissue infected with BRD.

In the pilot study, two dogs were trained in a series of stages over seven months to discriminate between nasal swabs collected upon arrival at the feedlot from cattle that developed signs of BRD within 20 days and swabs from cattle that did not develop BRD signs within three months at the feedlot.

stored for three months. Samples were classified as positive if the source animal was treated for BRD at least three times or died after at least one treatment for BRD within 20 days of arrival.

**Results and refinement**

Daigle said in the pilot study, the results were just slightly above chance for the dogs sniffing out nasal swabs from positive-testing cattle.

Because of the complexity of BRD pathogenesis, if detection is reliant on a pathogen-specific odor, BRD may be more challenging than other diseases for dogs to detect, the team concluded. In the pilot study, they determined that varying field conditions, seasons and sex scent differences may have influenced the overall outcome, thus limiting the accuracy with which BRD could be diagnosed.



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# Grass & Grain Area Auctions and Sales

Due to the uncertainty of events, if you plan to attend any of the following auctions and have any doubts, please contact the auction company to confirm that the auction will be conducted and inquire about safety procedures if you are concerned. And please check their websites.

Hundreds of auctions, on-line and in-person. [www.kansasauctions.net/gg/](http://www.kansasauctions.net/gg/)

January 9 — 195 +/- acres Native grass pasture with recreational appeal selling at Admire for Roy & Freda Venning Trust. Auctioneers: Vaughn-Roth Land Brokers.

January 12 — Land auction consisting of 144.23 acres Marion County cropland & grassland with 92.71 ac. cultivated cropland, grassland is fenced for livestock with spring, great wildlife habitat held at Peabody for Melvin & Marilyn Flaming. Auctioneers: Leppke Realty & Auction.

January 12 & 14 — Household goods, furniture, antiques & more held at Clay Center for Helen Heimerich. Auctioneers: Kretz Auction Service.

January 14 — Guns: 1957 Eagle Cushman & (3) Remington nylon rifles, furniture, antiques, primitives & collectibles inc.: signs, kero lamps, crocks, glassware, dolls, collectible toys, CI seats, books, banks, comic books, steins, Native American items & much more held at Portis for Vincent Brown Estate. Auctioneers: Wolters Auction & Realty.

January 14 — Signs inc.: Member Texas & Southwestern Cattle Raisers, Shell, Kent, DeKalb & more, several beer signs, Toys inc. 150 farm tractors & more, 50 dolls, Pedal vehicles, lots of Collectibles & an assortment of tools held at Abilene for Darryl & Debra Blocker. Auctioneers: Thummel Real Estate & Auction, LLC.

January 14 — Real Estate auction consisting of 154.5 acres m/l of Marshall County Farmland of which 142.15 ac. are terraced crop acres, balance waterways and wooded areas for wildlife habitat held at Frankfort

for Paul Seiwald Trust. Auctioneers: Cline Realty & Auction, LLC.

January 15 — Guns inc. German WWII P38 pistol & more; Collectibles inc.: quilts & quilt blocks, vintage clothing, glassware, Depression glass, Roseville, magazines, gold & silver jewelry, vintage toys & dolls, artwork & much more held at Salina for Markham/Kerley Collection. Auctioneers: Thummel Real Estate & Auction, LLC.

January 16 — Land Auction consisting of 144 acres with 106 tillable Highway frontage located West of Burlingame held at Osage City for Mary E. Dunn Estate & Heirs. Online bidding at: [www.Superiorlandgroup.hibid.com](http://www.Superiorlandgroup.hibid.com). Auctioneers: Superior Real Estate & Land Group, Wischropp Auctions.

Online Land Auction (beginning January 16 & ending January 20) — Tract 1: 6 ac. m/l with 3BR, 1.5BA home, multiple outbuildings; Tract 2: 100 ac. m/l; Tract 3: combination of T1 & T2. Located near Emporia and selling for Royal E. Bebermeyer Rev. Trust. Online bidding at [www.VaughnRoth.hibid.com](http://www.VaughnRoth.hibid.com). Auctioneers: Vaughn-Roth Land Brokers.

January 17 — Land Auction consisting of 445.7 Acres of Butler County land inc. pasture, trees, large pond, good access, rural water meter, (selling surface rights only) held live at El Dorado for William C. Paulson, Jr. & Pamela S. Paulson Revocable Trust AND the Martha Paulson Pope Living Trust. Online bidding available: [www.Sundgren.com](http://www.Sundgren.com). Auctioneers: Sundgren Realty, Inc., Land Brokers.

Unreserved Online Land Auction (Bid Online: January 17-31) — 72.63 acres m/l of Atchison County Cropland & Commercial Lots selling in 4 Tracts. T1: 20.51 ac. m/l with 6 buildings, 3 10,000-bu. bins; T2: 44.95 ac. m/l with 40.69 ac. m/l cropland; T3: 0.77 ac. m/l commercial lot; T4: 6.4 ac. m/l commercial lot. Seller: Marlatt Construction Company, Inc.. Go to [www.bigiron.com](http://www.bigiron.com). Auctioneers: Big

Iron Realty, Mike Campbell, listing agent.

Online only Equipment Auction (bidding ends January 18, 4 PM) — Large amount of cattle equip., tools, vehicles and ATVs, and many misc. items (items located at Eureka) View details at [www.sundgren.com](http://www.sundgren.com). Auctioneers: Sundgren Realty, Inc.

January 19 — Simultaneous Live & Online Land Auction consisting of 55 acres m/l of Pottawatomie County Land offering open areas of grass along with mature timber along the creek held Live at Manhattan with Online bidding available at [gavelroads.com](http://gavelroads.com). Auctioneers: Gene Francis & Associates Real Estate Brokers & Auctioneers.

January 19 — Land auction consisting of 157.8 Acres m/l of Jewell County cropland, timber, creek and waterways held live at Glen Elder with simulcast bidding at [www.apwrealtors.hibid.com](http://www.apwrealtors.hibid.com). Auctioneers: Coldwell Banker APW Realtors, Chris Rost & Mark Baxa.

January 20 — Land Auction consisting of 160 acres m/l of Marshall County Cropland (103 ac. m/l upland cropland, balance mostly pasture with some waterways) held at Home for Kimberly A. Meyer. Auctioneers: Olmsted Real Estate.

January 21 — Firearms auctions including shotguns, 9mm's, revolvers, rifles & more (a lot are new) & misc. reloading supplies held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

January 21 — Tools, JD X300 lawn mower, antiques, beer signs, toys, 20 gallon Red Wing, horse-drawn railroad cart, furniture, household, lawn & garden & more held at Milford for Fred & Betty Voshel. Auctioneers: Morgan Riat, Foundation Realty.

January 21 — New Strawn Consignment auction by S&S Sales LLC selling tractors, trucks, trailers, vehicles, all types of farm & livestock equipment, farm misc. items, hay, lumber & more held at New Strawn. Brett Skillman, Sales Manager; Auctioneers: Darwin W.

Kurtz & Paul Hancock. January 26 — Woods Brothers Dearborn 1R corn picker, IHC 300 tractor, JD 300 tractor, Minneapolis Moline 1R corn picker, MF 135 tractor, JD M tractor, JD B tractor, JD 630 tractor, IHC M tractor (9 items sell live & online); 50+ plows, other farm equipment & machinery held live West of Jewell (online [www.thumme-lauction.com](http://www.thumme-lauction.com)) for Calvin Bohnert Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

January 28 — Antiques & collectibles including pine furniture, oak rocker, cast iron bed, Victory sign, folk art wooden horse, Indian pottery, signs, 75+ good tins, crocks, 400 toy trucks, assortment of tools & more held at Salina for Curtis Bunting Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

February 3 — Marshall County Land Auction consisting of Tract 1: 143.40 taxable acres m/l (2 parcels to be sold as 1) with cropland & native grass with fishing, hunting for Elizabeth Schulte Wassenberg Trust. Tract 2: 157.70 taxable acres m/l (2 parcels to be sold as 1) with cropland, farmland, tame grass, hunting for Bertha J. Herbin Trust #1 & A.J. Herbin Trust #2. Auction held at Marysville. Auctioneers: Prell Realty & Auction, LLC.

February 4 — Axtell Knights of Columbus Consignment Auction held at Axtell.

February 5 — Firearms Auction consisting of 150 firearms including shotguns, rifles, revolvers, pistols, million rounds of ammo & accessories held at Ottawa for One Family Collection from Eastern Kansas. Auctioneers: Elston Auctions.

March 6 (Monday) — Lyons Ranch 35th Annual Angus Bull Sale held at the Ranch South of Manhattan, 12:30 pm.

April 8 — Fink Beef Genetics 37th Annual Sale held at Randolph.

Grass & Grain, January 10, 2023

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## World Wagyu Council fosters international cooperation

By Burt Rutherford

One thing is clearly evident when looking at the world-wide influence of Wagyu genetics and the unique, buttery flavor of Wagyu beef — demand outstrips supply. That's one of the many takeaways that has arisen from conversations with Wagyu breed associations across the world. Those conversations are fostered by the World Wagyu Council, according to Pete Eshelman, and go a long way toward expanding the influence of the Wagyu breed internationally. Speaking during the American Wagyu Association (AWA) "Shaping the Future" annual conference in Charlotte, South Carolina, the past AWA president and current World Council chairman said cooperation between international breed associations will be critical in recognizing the potential of Wagyu. Eshelman told Wagyu breeders there are an estimated 25 Wagyu associations worldwide outside of Japan, eight of which are members of the Council. Those eight associations span four continents. "The goals of the Council are to further develop the Wagyu breed and

product internationally; foster good relations between members; exchange scientific and technical information; and help facilitate business opportunities between member countries," he said. "In a nutshell, the Wagyu World Council is an opportunity for individual countries to step outside of their country and look globally and understand what's happening globally and share ideas." That international cooperation will become increasingly necessary as Wagyu breeders expand the genetic base of the breed. In fact, Eshelman said the idea in 2015 when the Council was established was to create an easy, cost-efficient way to engage in international commerce. That need still exists and the focus now is on developing standards across nations for registration and pedigree recording to facilitate the movement of genetics between countries, he said, along with global genetic analysis. The World Wagyu Council will meet in person in 2023 in conjunction with the American Wagyu Association conference in Texas.



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## LAND AUCTION

**143.40 taxable acres +/- located in Marshall County, KS — S05 & S08, T03, R07 - Elm Township**  
**157.70 taxable acres +/- located in Marshall County, KS — S14, T03, R07- Elm Township**

### FRIDAY, FEBRUARY 3, 2023 — 2:00 PM

**Auction Location: American Legion, 310 Veterans Memorial Drive, MARYSVILLE, KS 66508**  
**TRACT #1 ADDRESS: Located at the intersection of West River Rd. & Linden Rd., Marshall County, KS**  
**DIRECTIONS: From intersection of Hwy 36 & West River Rd. drive 1-1/2 mi. south located on east side of road.**



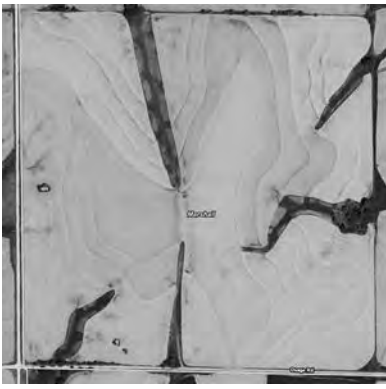
**LEGAL DESCRIPTION: Two parcels to be sold together as one. S05, T03, R07, acres 63.3+/-, E1/2 SW1/4 LYING S&E OF CO RD LESS R/W & S08, T03, R07, acres 80.1+/-, E1/2 NW1/4 per Marshall County appraiser's property record card**  
**MS COUNTY PROPERTY DESCRIPTION: Combining both parcels 143.21 total Ag acres more or less**  
**126.36 acres +/- dry crop \*\* 16.85 acres +/- native grass**  
**FSA PROPERTY DESCRIPTION: Combining both parcels 128.65 acres +/- effective DCP cropland \*\* 1.14 acres +/- CRP**

Crop Data	Base Acres	PLC Yield	ARC/PLC
Wheat	12.10	48	ARC County
Corn	48.30	159	ARC County
Soybeans	50.50	46	ARC County

**FERTILIZER:** In preparation for next year's corn, both 175 lbs. nitrate and a 200 lb. blend of starter fertilizer with potash have already been applied, per acre. The buyer will be responsible for reimbursing the seller's fertilizer expenses in the amount of \$29,896.46, at closing.  
**TAXES:** Combined taxes for 2022 were \$3,616.36. Grain Belt Express Clean Line might place a tower on this property in the future.

**This tract provides an excellent location for farming, residing, fishing, hunting & investing! Look this property over before the sale!**  
**CONTACT PRELL REALTY & AUCTION, LLC for more details.**  
**SELLER: ELIZABETH SCHULTE WASSENBERG TRUST**

**TRACT #2 ADDRESS: Located at the intersection of 11th Rd. & Osage Rd., Marshall County, KS**  
**DIRECTIONS: From intersection of Hwy 77 & Osage Road drive 1-1/2 miles east located on north side of road.**



**LEGAL DESCRIPTION: Two parcels to be sold together as one. S14, T03, R07, acres 119.2+/-, N1/2 SW1/4 & SE1/4 SW1/4 LESS R/W and S14, T03, R07, acres 38.5+/-, SW1/4 SW1/4 LESS R/W per Marshall County appraiser's property record card**  
**MS COUNTY PROPERTY DESCRIPTION: Combining both parcels 156.50 total Ag acres more or less**  
**143.92 acres +/- dry crop \*\* 12.58 acres +/- tame grass**  
**FSA PROPERTY DESCRIPTION: Combining both parcels 156.17 acres +/- farmland \*\* 142.49 acres +/- DCP cropland**

Crop Data	Base Acres	PLC Yield	ARC/PLC
Wheat	53.50	47	ARC County
Grain Sorghum	50.30	122	ARC County
Soybeans	38.00	40	ARC County

**TAXES:** Combined taxes for 2022 were \$4,300.42.

**This tract provides an excellent location for farming, residing, hunting & investing! Look this property over before the sale!**  
**CONTACT PRELL REALTY & AUCTION, LLC for more details.**  
**SELLERS: BERTHA J. HERBIN TRUST #1 & A. J. HERBIN TRUST #2**

**TAXES:** Seller pays 2022 taxes and prior years. Buyers will pay taxes for the year 2023 and all subsequent taxes and assessments.  
**TERMS & POSSESSION:** Cash with 10% down payment, earnest money to be paid day of auction with balance due on or before March 3, 2023. Title insurance will be used. Owner's title insurance, contract, deed, and escrow fees will be split 50/50 between buyer and seller. Buyer to reimburse seller for fertilizer and application, at closing. Possession will be given on closing date.

For a copy of this sale bill visit our website at [prellrealtyauction.com](http://prellrealtyauction.com)

**ALL PERSPECTIVE BIDDERS:** Properties will be sold in present condition, as is where is, without warranties or inspections by seller or broker. Bidders are urged to inspect these properties. Boundary surveys will be at buyer's expense, if desired. Possession of the premises shall be delivered to buyer on final closing, subject to the rights of the current tenants. The owner's share of 2022 crops and USDA payments, if any, will remain with the seller. Information is given from sources deemed reliable, but not guaranteed by seller or broker. The contracts were prepared on behalf of the seller, and Galloway, Weigers, & Brinegar are attorneys for the seller. Pony Express Title LLC will be the escrow agent. **Prell Realty & Auction LLC is acting as the Seller's Agent and represents the seller's interest.** Statements made day of auction take precedence over advertisements or previous statements.

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785-713-2191

Vallery Prell, Broker  
785-713-1466

## AUCTION

**SATURDAY, JANUARY 14, 2023 — 10:00 AM**

Auction will be at Sterl Hall, 619 N. Rogers, ABILENE, KANSAS

**SIGNS, TOYS, COLLECTIBLES, DOLLS**

**Signs inc:** Member Texas & Southwestern Cattle Raisers; Railway Express Agency; Wayne Price; Ferguson Oil; Franklin Ice Cream; American Brakeblok; MFA; Shell; Kent; Acco Seed; DeKalb; 3 pt. porc Skelgas; Opalene porc; Duckwalls; Dicks Market; Zenith; Dennis Menace DQ; Chapman adv sign; Magic Mothers Premier; Dempster; Beaver Check Station; lowealth Hybrid; Alida Pearl Coop; United-Hagie; NAPA; Peerless Chain; Best; Quikrete; Coop; Best; several beer signs; Mira Fount; Raybestas; Toro; Conkeys Feed; Tomco Bred Corn;

**NOTE: Check our website for pictures at [www.thummelauction.com](http://www.thummelauction.com). Darryl has collected for many years. There are many toys!**

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Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067

Funks; Auburn; Delco Battery; Marlboro flange; newer metal John Deere; store displays; plastic Phillips 66 & Pepsi sign; road signs; many other; Purina Chow & Gooch's clock; other clocks; beer advertising; pool table lights; beer trays; **Pedal vehicles inc:** 1950s sad face Murry fire car, Fire Chief car, Fire & Rescue car, Radio Flyer pedal car; other pedal cars; **pedal tractors:** AC7080; Case IH 7130; Agco Allis 8765; John Deere; Ford TW-5; CI 766; CI 1206; Magnum 340; trailers; Radio Flyer & Sears Roebuck wagons; JD trike, bike & scooter; Schwinn bike; Toys inc: 150 farm tractors; Tonka construction toys;

JD Kansas Moo Moo; 50 dolls; cap rifles; BB guns; railroad lantern; Crocks (3 & 8 gal Red Wing; 6 gal salt glaze); John Deere folding school chair; 2 horse head hitching posts; neck yokes; scale beam; well pump; weather vane; water cans; planters; granite; oil cans (Wanda, Phillips, Sinclair, Champlin, Coop, Mobil, Nutrena, other); pop bottles; well pump; metal yard chairs; wood pulleys; coffee & tobacco tins; wood pulleys; cream cans; beer bottles & cans; wood gun shipping box; car tags; Assortment of tools; assortment of collectibles.

## AUCTION

**SUNDAY, JANUARY 15, 2023 — 10:00 AM**

Auction will be held in Kenwood Hall at the Saline Co. Expo Center, 900 Greeley, SALINA KS

**GUNS (Sell at 10:00)**  
German WWII P38 pistol w/ holster 2 clips; 410 choke barrel; Stevens pump 22 s/l; Winchester model 1906 pump 22 short; rifle & shotgun cleaning kits.

**COLLECTIBLES**

Vintage quilts; vintage quilt blocks; linens; vintage clothing; Chinese silk jackets; beaded work; vintage boots; ice & roller skates; lace work; cut glass; Wedgewood; 12-piece Limoge/Haviland "Enchanted" china w/serving pieces; Roseville; Candlewick; etched glass; Depression glass; Berwick-Boopie glassware; porcelain ware; photo albums; newspaper headlines; Life magazines; vintage greeting cards; pencil collection; keys; stamp; bell; chicken; stir sticks; match collection; many boxes vintage pens & pencils; granite; enamel ware; cast iron corn

cake mold; vintage fur collars & muffs; vintage piggy goes to market glass jar /cork lid nose; blue canning ½ gal jars; vintage dress patterns; 1900 foil art pictures; Art Deco swivel tilt photo frames; 20s matelassé coverlets; linen bedspread; crochet tablecloth; slag glass lamp shade; Akro agate lamp; pr. butterscotch Bakelite lamps; Victorian; postcards & trade cards; copper fire extinguisher; printed feed sack; Days of Week towels; 1900 leather ledger books; vintage valentine cards; gold & silver jewelry; costume jewelry; 10-pc. Fiesta; vintage toys; vintage dolls; Shirley Temple; China; Chatty Cathy; Tumbelina/Skipper; doll clothes; Fontanini nativity set; vintage Ball jars; 1949 Presidential inaugural programs; vintage embroidery patterns; piano sheet music; NYC playbill collection; vintage wedding dress/non-

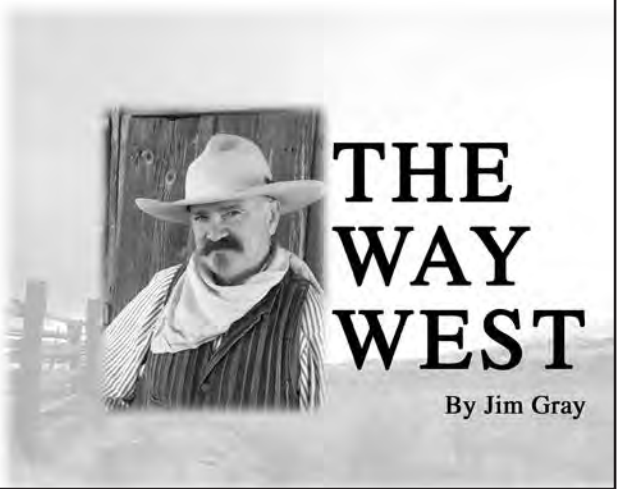
eymoun suit; horsehair cloak/gauntlets; Continental Fire Insurance sign; vintage baby clothes; vintage housewares; silver plate trays; sterling silver; vintage dessert ware; crocks; books 1st editions; song books; Campbell's Soup stand; trunks; travel books; darkroom equipment inc: Saunders Enlarger w/Dichroic Head power box & easel; various equipment & supplies; vintage college & high school year books; scrapbooks; postcard albums; Smith Corona typewriter; handmade wooden chair w/arms; miniature roll top desk; shearing rugs; Coca Cola trays; wooden folded table; brass bed; travel souvenirs; HILDA calendars; 42"x84" wooden dining table; wooden crates (apple, citrus, cherry, Chianti, other); vintage photos; artwork; **assortment of other items.**

**NOTE: Check our website for pictures at [www.thummelauction.com](http://www.thummelauction.com)**

**MARKHAM/KERLEY COLLECTION**

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067





Setting the Record Straight

The word on the high plains of Kansas after the great blizzard of 1886 was that “January first was the last of August,” but that wasn’t entirely accurate. The true story of August Johnson, the man who froze to death in the storm, was later recorded in *Pioneer Remembrances*, by Mildred Cass Beason. Her newspaper columns were compiled and reprinted

as a collection under the same name *Pioneer Remembrances* by the Gove County Historical Society in 1986.

Beason’s interview with a Mr. J.W. Hopkins mentioned August Johnson’s death while hunting with his friends, D. P. Snyder and Fred Wright. Hopkins claimed that Johnson was “a Swede who had come across the ocean about six

months before.” The Hopkins interview prompted a letter from D. P. Snyder, of Evans, Colorado, dated September 1, 1938. Snyder was with August Johnson when he died and wrote to Beeson to “set the record straight.”

The blizzard struck with a vengeance, lasting for three solid days beginning the first of January 1886. Kansas had witnessed a great influx of settlers the previous summer of 1885. Many had thrown up precarious shacks for temporary shelter. The cruel January blizzard blew through those shacks as if there were no walls at all. Whole families were found frozen to death.

The storm abated with a glistening sun rising over the land the morning of January 4th. The deceptively warm sunshine brought settlers out to resupply their cupboards with groceries and check on neighbors. Some set out to hunt for wild game.

After two days of warm sunshine Johnson, Snyder, and Wright loaded up Wright’s sled to hunt for game. The land seemed barren of all life as the hunters drove west. They finally came upon a herd of fifteen antelope around four o’clock in the afternoon. The herd began to

run but the team was near enough to stay close. Snyder drove the team “on the run” while Wright and Johnson kept shooting until they finally brought one down.

The men loaded their kill on the sled and turned the team for home just as they noticed a small cloud on the horizon. In a remarkably short time the cloud brought wind and wet snow that battered them with frightening intensity.

Wright took over the lines, urging his team forward. The intense snowfall had made all landmarks indistinguishable and within a few moments he lost his way and turned the team back in the opposite direction.

Wright again began to doubt his whereabouts and asked Snyder if he thought he was wrong. Snyder quickly answered, “Yes.” By that time night had fallen. Since they had veered away from the trail along the Smoky Hill River Snyder jumped from the sled and ran ahead in the blinding snow to guide Wright back to the edge of the river. They then turned east once again.

Snyder continued to walk ahead of the sled. “I don’t know just how far I trailed ahead of the team

till I fell head first in the end of a small canyon.” Wright declared that now he knew where they were. It was one or two o’clock in the morning and Wright refused to go any farther. They unhitched the team, turned the sled on its side, and tied the team to the rails of the sled. A tarp that they had fortunately brought along was laid out behind the sled. The bewildered men crawled in under the tarp for a few hours of sleep.

As soon as it was light enough to see they braved the continuing blizzard. The country was relatively new to all of them, although Snyder had hunted for several miles around the home camp. To help him find his way around in a land with few landmarks he had driven stakes in the ground. Luckily, they happened upon a stake that marked their location as “three miles west and three miles (south) of home.”

Now they knew the way home. But when the beleaguered hunters were approximately a quarter mile from their destination Wright wavered. He was certain that they had passed their home and could not be convinced otherwise.

Through all of the confu-

sion and cold Johnson had remained silent. Now he showed signs of giving up. When he collapsed in the snow Snyder and Wright covered him with the tarp. Confusion reigned for the longest time. Wright got under the cover with Johnson while Snyder searched for way through the storm.

The storm finally let up around one o’clock the morning of their second night in the blizzard. When Snyder returned he found Johnson lying in the open about four feet from the tarp. Wright had fallen asleep and allowed Johnson to slip away from the only protection he had. August Johnson died a short time later a short distance away from his home camp. It was January 8, 1886.

The Old West is filled with fables that originate from true incidents, ultimately growing into legend. August Johnson became one of those legends. As it turns out, January first wasn’t precisely the last of August. But if you still want to keep the legend going you might say that 1886 was the year that January got the best of August on The Way West.

“The Cowboy,” Jim Gray can be reached at 220 21st RD Geneseo, KS. Phone 785-531-2058 or [kansascowboy@kans.com](mailto:kansascowboy@kans.com).

Farmers & Ranchers AUCTIONS EVERY MONDAY & THURSDAY

Selling Cattle every Monday Hog Sales on 2nd & 4th Monday of the month only!

TOTAL FOR THE WEEK: CATTLE 8,680.

STEERS			
300-400	\$230.00 - \$250.00	10 blk	Hillsboro
400-500	\$230.00 - \$245.50	12 blk	Assaria
500-600	\$220.00 - \$240.00	25 blk	Lindsborg
600-700	\$200.00 - \$214.50	11 blk	Little River
700-800	\$190.00 - \$204.50	8 mix	Halstead
800-900	\$180.00 - \$190.50	8 blk	Delphos
900-1,000	\$170.00 - \$175.00	28 blk	Ellsworth
HEIFERS			
300-400	\$200.00 - \$209.00	17 blk	Halstead
400-500	\$190.00 - \$208.00	6 red	Gypsum
500-600	\$190.00 - \$210.00	11 mix	Salina
600-700	\$175.00 - \$187.00	9 blk	Great Bend
700-800	\$160.00 - \$177.00	24 mix	Minneapolis
800-900	\$160.00 - \$172.00	32 mix	Manhattan
900-1,000	\$158.00 - \$164.00	61 blk	Gypsum
		5 blk	Lindsborg
		92 blk	Lindsborg
		32 mix	Manhattan
		19 mix	Minneapolis
		9 blk	Gypsum
		17 blk	Assaria
		20 mix	Geneseo
		9 blk	Great Bend
		10 blk	Lindsborg
		31 mix	McPherson
		34 b	Lindsborg
		7 rwf	Kanopolis
		54 blk	Lindsborg
		61 mix	Beloit
		68 mix	Assaria
		59 mix	Minneapolis
		5 blk	Gypsum
		18 mix	Galva
		26 mix	Delphos
		35 mix	Assaria
		19 mix	Salina
		33 mix	Wilsey
		4 blk	Lindsborg
		12 blk	Lindsborg

THURSDAY, JANUARY 5, 2023

STEERS			
12 blk	Atlanta	266@261.00	
32 blk	Atlanta	325@250.00	
1 blk	Little River	300@247.50	
35 blk	Atlanta	395@247.00	
25 blk	Atlanta	465@245.50	
8 blk	Lindsborg	469@239.00	
7 mix	Minneapolis	514@239.00	
2 blk	Galva	478@238.00	
4 blk	Minneapolis	505@237.00	
10 blk	Minneapolis	538@236.50	
2 blk	Ellsworth	393@236.00	
3 blk	Lincoln	515@236.00	
7 mix	Delphos	451@236.00	
4 blk	Manhattan	564@236.00	
3 mix	Miltonvale	457@235.00	
4 blk	Hunter	518@233.00	
5 blk	Little River	544@232.00	
15 blk	Lindsborg	563@230.00	
20 mix	Brookville	553@227.50	
19 blk	Assaria	568@224.50	
14 mix	Delphos	560@223.00	
4 red	Kanopolis	434@222.00	
13 blk	Atlanta	591@218.75	
10 mix	Gypsum	589@214.00	
6 mix	Delphos	550@211.00	
3 blk	Minneapolis	605@198.50	
69 blk	Ellsworth	722@198.25	
10 blk	Lincoln	605@198.00	
25 blk	Lindsborg	603@198.00	
40 blk	Ellsworth	640@195.50	
43 blk	Lindsborg	737@194.25	
36 blk	Assaria	717@190.50	
41 blk	Lindsborg	680@190.50	
13 mix	Minneapolis	733@188.00	
38 blk	Great Bend	768@186.00	
18 mix	Brookville	677@185.50	
26 blk	Ada	845@185.50	
81 blk	Lindsborg	866@183.50	
121 blk	Lindsborg	792@183.00	
25 blk	Lindsborg	833@182.00	
58 mix	Hope	867@181.00	
62 mix	Benton	862@179.00	
31 blk	Lindsborg	695@178.50	
20 red	Salina	891@176.50	
56 mix	Miltonvale	815@176.50	
181 blk	Clay Center	903@175.00	

HEIFERS			
10 blk	Welch, OK	381@209.00	
9 blk	Little River	464@208.00	
36 blk	Welch, OK	452@207.50	
20 blk	Welch, OK	498@206.00	
6 blk	Ellsworth	448@201.00	
11 mix	Minneapolis	518@198.00	
11 mix	Brookville	487@197.50	
20 blk	Ellsworth	556@197.00	
4 blk	Minneapolis	515@196.00	
5 blk	Delphos	522@194.00	
14 mix	Delphos	536@193.00	
4 mix	Minneapolis	496@193.00	
3 red	Gypsum	467@191.00	
2 blk	Moundridge	490@189.00	
11 blk	Galva	572@189.00	
6 mix	Miltonvale	455@189.00	

6 blk	Alma	379@241.00	
35 blk	White City	497@240.00	
4 mix	Herington	511@240.00	
7 blk	Alma	464@239.00	
19 blk	Ellsworth	480@234.00	
10 blk	Ellinwood	524@234.00	
15 blk	Bennington	505@233.50	
10 blk	Rush Center	499@232.50	
36 blk	Alma	563@230.00	
10 blk	Bennington	529@229.50	
12 blk	Hillsboro	522@228.00	
39 mix	Ellsworth	564@228.00	
14 mix	Lindsborg	561@227.00	
7 blk	Solomon	442@224.00	
33 blk	White City	576@222.50	
11 blk	Hillsboro	547@221.50	
6 blk	Simpson	419@219.00	
13 blk	Salina	556@217.00	
13 blk	Clyde	557@217.00	
13 blk	Galva	579@217.00	
24 blk	Rush Center	537@216.00	
26 blk	Simpson	538@216.00	
6 red	Bennington	549@216.00	
15 blk	Solomon	547@215.50	
55 blk	Alma	632@214.50	
26 blk	Geneseo	559@214.00	
123 blk	White City	632@209.50	
61 blk	Ellsworth	638@208.00	
15 blk	Marquette	598@205.50	
29 blk	Ellinwood	606@205.50	
174 blk	White City	705@204.50	
29 blk	Hillsboro	662@204.00	
33 mix	Galva	692@203.25	
18 blk	Hillsboro	658@203.00	
10 blk	Cassoday	626@203.00	
16 mix	Ellsworth	694@203.00	
27 mix	Lindsborg	657@201.00	
13 mix	Herington	693@198.50	
19 blk	Hillsboro	713@197.50	
40 blk	Wilson	693@196.50	

UPCOMING SPECIAL TUESDAY SALES:

COW SALES: Tuesday, January 17 & Tuesday, February 21  
CALF SALES: Tuesday, February 7

IN STOCK TODAY:

• Heavy Duty Round Bale Feeders • Heavy Duty Feed Bunks

For Information or estimates, contact:

Mike Samples, Sale Mgr., Cell Phone 785-826-7884

Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901

Jim Crowther  
785-254-7385  
Roxbury, KS

Lisa Long  
620-553-2351  
Ellsworth, KS

Cody Schafer  
620-381-1050  
Durham, KS

Kenny Briscoe  
785-658-7386  
Lincoln, KS

Kevin Henke  
H: 785-729-3473, C: 785-565-3525  
Agenda, KS

Austin Rathbun  
785-531-0042  
Ellsworth, KS

Cattle Sale Broadcast Live on [www.cattleusa.com](http://www.cattleusa.com) 1150 KSAL, Salina 6:45 AM - MON-FRI \* 880 KRVN 8:40 AM - WED-THURS. \*550AM KFRM - 8:00 am, Wed.-Thurs.

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY

Hogs sell at 11:00 a.m. *on the 2nd & 4th Monday of the month.*  
Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls.

THURSDAY — CATTLE ONLY

Selling starts at 10:00 a.m. Consign your cattle as early as possible so we can get them highly advertised.

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD

For a complete list of cattle for all sales check out our website [www.fandrive.com](http://www.fandrive.com)

CATTLE USA.com LIVE CATTLE AUCTIONS

FARMERS & RANCHERS HAS SWITCHED BACK TO Cattle USA.com for our online auctions.

6 char	Alma	629@195.00	10 char	Hillsboro	474@194.00
16 mix	Herington	785@195.00	4 blk	Marquette	514@193.00
28 mix	Clyde	653@194.00	20 blk	Solomon	484@193.00
13 blk	Assaria	781@193.50	6 mix	Clyde	527@191.00
58 blk	White City	796@193.00	9 blk	Ellinwood	414@191.00
16 blk	Wilson	754@192.00	26 blk	Alma	550@190.00
46 blk	Longford	744@191.25	19 blk	Hillsboro	556@189.00
7 mix	Galva	769@191.00	17 blk	Clay Center	562@188.00
32 blk	Assaria	715@190.75	180 blk	White City	606@187.00
54 blk	Assaria	846@190.50	178 blk	White City	687@180.50
11 blk	Salina	814@190.50	23 blk	Hillsboro	612@180.00
76 blk	Longford	839@190.50	14 blk	Solomon	632@178.00
80 blk	Wells	845@190.25	77 blk	Longford	772@177.00
13 blk	Hoisington	766@190.00	16 blk	Salina	653@176.50
17 blk	Smolan	719@189.00	79 blk	Wells	767@176.25
20 blk	Morganville	794@188.50	16 blk	Galva	656@176.00
15 blk	Hoisington	860@187.00	11 blk	Smolan	601@176.00
39 blk	Marquette	735@185.50	13 mix	Windom	738@175.00
<b>HEIFERS</b>			19 blk	Hillsboro	632@175.00
56 blk	White City	527@210.00	8 blk	Salina	621@174.00
14 blk	Ellsworth	463@206.00	38 blk	Longford	709@173.60
21 blk	Alma	461@203.00	12 blk	Assaria	715@173.50
13 blk	Ellinwood	525@201.00	13 blk	Cassoday	750@173.00
25 blk	Hillsboro	513@200.00	30 blk	Lindsborg	630@173.00
20 blk	White City	438@198.00	28 blk	Hoisington	751@172.50
26 blk	Cassoday	559@197.50	38 blk	Wells	710@172.50
9 blk	Salina	487@197.00	29 mix	Marquette	751@171.00
45 blk	Ellsworth	534@196.00	47 blk	Lindsborg	723@171.00
19 blk	Bennington	509@196.00	13 blk	Morganville	740@170.50
19 mix	Lindsborg	509@194.00			

Early Consignments For THURSDAY, JANUARY 12, 2023 \* Starting at 10 AM

95 steers & heifers, 600-700; 85 black & red steers & heifers, 650-800, home raised, long time weaned; 40 black SimAngus heifers, home raised, Cow Camp sired, replacement quality; 100 black steers & heifers, 650-900, home raised, long time weaned, vaccinated, Lutalyse; 275 black & char steers & heifers, 650-850, home raised, long time weaned, vaccinated; 240 black steers & heifers, 500-800, long time weaned, vaccinations; 64 black & red steers & heifers, 600-800, long time weaned, vaccinations; 65 steers & heifers, home raised, 700-800, 120 days weaned, 3 round vaccinations; 100 steers & heifers, home raised, 700-800, 120 days weaned, 3 round vaccinations; 30 steers & heifers, home raised, 700-800, 120 days weaned, 3 round vaccinations; 42 black & red steers & heifers, 450-750, October wean, spring vaccinations, open; 20 black steers & heifers, 450-750, October wean, spring vaccinations, open; 61 black steers & heifers, 400-600, home raised, 75 days weaned, 2 rounds vaccinations; 38 black steers & heifers, 650-800, home raised; 11 steers & heifers, 700, home raised, long time wean, 2 rounds vaccinations, open; 70 steers & heifers, 750-800, home raised, long time wean, vaccinated, open; 54 steers & heifers, 625-750, weaned, vaccinated; 20 black steers & heifers, 600-750, home raised, weaned; 120 black & red steers & heifers, 450-650, weaned November 1, vaccinated; 21 mostly red steers & heifers, 500-700, home raised, long time wean, spring vaccinations, open; 6 red steers & heifers, 600-700, home raised, long time wean, spring vaccinations, open; 28 black/bwf steers & heifers, 550-700, long time wean, vaccinated, home raised; 34 black & red steers & heifers, 700-800, September wean, no implants; 69 black/bwf steers & heifers, 600-700, 2 rounds vaccinations, open; 30 black steers & heifers, 700, home raised, 30 days weaned,