



## Ehmke Farms follows the science, experience

*Editor's note: This is the third installment of Grass & Grain's four-week Fall Harvest Series, sponsored by Gavel Roads Online Auctions, Harris Crop Insurance, Kansas Soybean, Kopper Kutter, Heartland Truck Beds and Accessories, The Feed Shed, Herrs Machine and Thurlow Farms.*

**By Lucas Shivers**

Valuing the data on fall harvest and overall operations on the farm, Vance and Louise Ehmke raise crops in Lane County near Healy.

"Our family has been farming since 1885, with Louise and I working for the last 45 years," Vance said. "We survive each season and are still plugging away. We love living out in western Kansas."

Vance grew up in Lane County. Louise was originally from California before coming to Kansas for college and meeting Vance.

"With the exception of spending a few years in college and time away, I've always been on the family farm," Vance said. "I'm the fourth generation and hope our kids can come back for generation five."

The Ehmkes raised four grown kids named Cole, Tanner, Layton and Marit; with spouses and many grandkids who live all around the midwest.

"For us, farming just keeps getting better," Vance said. "By Lane County standards, we do okay. We farm 13,000 acres. We thoroughly love it. Here in Lane County,



Vance and Louise Ehmke farm in Lane County and are the fourth generation on their farm, with hopes that their kids can return to make the fifth.

agriculture is the dominant part of our economy. Technology and competition allow for farms to get bigger."

As consolidations continue, the Ehmkes remain committed to their local community.

"It's hard for several of the small Kansas communities," Vance said. "We're at a population of 1,500; and we're one of the smallest in the state. I have no idea how big these farms are going to get. They'll get to be pretty

massive. The farms that are successful are good at what they do. Consumers want a low food cost."

### Making the Most of Farming

In recent 'good but maybe not great years,' the Ehmkes saw larger yields with wheat from the past year. However, they are looking forward to next year yet the weather is getting off on the wrong foot due to windy and hot fall.

"It's so spotty with rainfall patterns," Vance said.

"We plant the fields and pray for rain to come. I'll be curious about the predictions for Kansas wheat this coming year. There's a tremendous amount of wheat instead of summer fallow. The yields in those kinds of rotations are sometimes very humbling."

The K-State Research and Extension experiment station in Colby studied the annual patterns to try to find the best land use and long-term profitability.

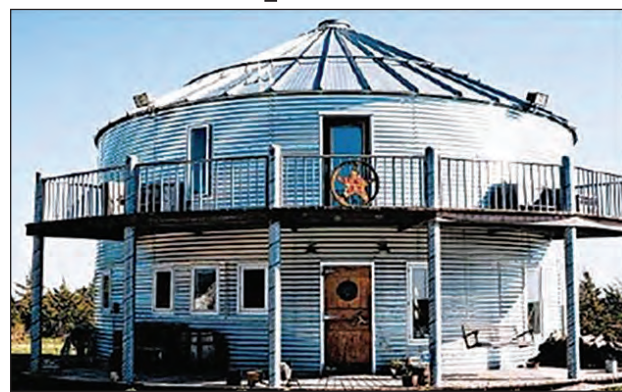
"The wheat-sorghum-fallow pattern was the best and number two was wheat-fallow-wheat. Others were underwater. If you stick to that rotation, the fall crops look fairly decent thanks to subsoil moisture. But the higher crop prices have encouraged some farmers to do more recently."

Following the market pull, Ehmke noted that some producers may see short-term gains but not long-term success.

"In a no-till rotation, there are some yields that drop up to 40% in fall crops in the second cycle," Vance said. "Many are discovering it after a mid-summer drought where it stopped raining and temperatures went high and winds blew day after day after day. It happened with a vengeance this year. You can't fault those guys for going for it with high prices. Crop insurance drives some of it."

### Data-Driven

The Ehmkes know the



The office at Ehmke Farms is a unique structure that is a sight to behold.

*Courtesy photos*

power of putting in research to prove the best practices on the farm.

"I love research," Vance said. "Some people play golf, but I dig into the data."

Vance got a journalism degree from KSU and worked in Alabama with *Progressive Farmer* magazine for a while. Then, he came back up to the family farm.

"I continued as a freelance journalist working in lots of places or remotely," Vance said. "I always wanted to find data to back up the innovation practices I covered over the years. I've done thousands of stories. I know so many people all over the nation."

He continues to build his network and build upon the journalism background.

"It just makes sense to see if the practices have a good foundation," Vance said. "You do it for the stories, but also on the farm. There are so many crop

scientists that I check with before I do anything. I very much enjoy the association with researchers."

In addition to raising her family, Louise also worked for a while as a kindergarten teacher.

### More to Come

The Ehmkes hope for many more years on the farm.

"We're watching so many get to the retirement age, but we're still loving what we're doing," Vance said. "Why would you want to quit?"

Their advice over the last four decades includes watching for limits and finding joy.

"We are enjoying it," Vance said. "Net farm income is steady; but I know what is on the other side of this. Keep some slack in the rope. The input costs are rapidly rising. I don't want to see too many at farm sales. Be careful. Don't let debt run away from you. Enjoy it while you can."

## Kansas Cooperative Council, Kansas Fairgrounds Foundation and the Kansas State Fair partner in creating the Capper Project

The Capper Project will rebuild the historic House of Capper to its original grandeur and create the Capper Cooperative Park to pay tribute to Arthur Capper and his work in establishing cooperatives in the United States. "The Capper Project allows us to bring the House of Capper back to its original grandeur as a centerpiece for the Kansas State Fair, this combined with the development of the Capper Cooperative Park will bring recognition and honor to the great work of Arthur Capper, former Kansas Governor and U.S. Senator," said Mary McCurry, Chairman, Kansas Fairgrounds Foundation. "This partnership between the Kansas Cooperative Council, the Kansas Fairgrounds Foundation and the Kansas State Fair is a new day for the Kansas State Fair, for understanding the economic impact of the Fair and for paying tribute to the work of cooperatives across Kansas



Pictured is the conceptual drawing for the Capper Project, which will rebuild the historic House of Capper and create Capper Cooperative Park on the Kansas State Fairgrounds.

*Created by Jim Heck*

and the United States in the Capper Cooperative Park."

The Capper Project will create a tribute to the great work of Arthur Capper in rebuilding the historic House of Capper to its original glory and to develop and build the Capper Cooperative Park to celebrate the Capper-Volstead Act of 1922 which allowed for the creation of cooperatives in the United States. The Capper Cooperative Park, a walk-through park, will be developed in the green space to the north of the House of Capper to tell the story of the work of cooperatives in the United States. "The Kansas Cooperative Council is excited to partner with the Kansas Fairgrounds Foundation and the Kansas State Fair on this historic project. The Capper-Volstead Act, spearheaded by Arthur Capper, was instrumental in the early successes of not only Kansas cooperatives, but co-ops across the nation. The Kansas Cooperative Council board is looking forward to a space

on the fairgrounds that tells the rich history of cooperatives and the continued impact they make on our communities." Brandi Miller, president/CEO Kansas Cooperative Council. "The House of Capper has been an integral part of the landscape on the Kansas State Fairgrounds since its inception. Attendees to the Kansas State Fair, and many off-season events, have enjoyed the space which has served as a presentation venue, Fair-time display venue or just a place to get out of the sun," said Bryan Schulz, general manager, Kansas State Fair. "We are so looking forward to having the House of Capper back in operation thanks to our many wonderful partners and rededicating the venue during our 2022 Kansas State Fair." The boards of all three organizations have put full support behind this project with the goal of funding and completing the project to allow for a celebration of the 100-year anniversary of the Capper-Volstead Act of 1922 to take

place during the 2022 Kansas State Fair. The House of Capper has historical significance on the Kansas State Fairgrounds as the place where many local, state and national political figures announced and launched their campaigns. The original building was paid for entirely by Arthur Capper and built to his design. The rebuild will pay full respect to the original architectural design of the building, while incorporating all current ADA and building regulations.

The Capper Cooperative Park in its conceptual design will consist of one two-sided stone park designation sign; five or six two-sided stone wall/storyboards used to tell the story of Arthur Capper and cooperatives in the United States; a paved walking path through the park moving from one storyboard to the next and leading to an entrance to the House of Capper. Landscaping and lighting will be included to accent both the park and the House of Capper.

The Kansas Fair-

grounds Foundation is playing a pivotal role in the success and execution of the renovation and beautification of the Kansas State Fairgrounds. The Kansas State Fair board creates project priorities and works with the Kansas Fairgrounds Foundation and their partner organizations like the Kansas Cooperative Council to bring private funds to the table

for renovations, rebuilds, improvements and beautification of the Kansas State Fairgrounds. Capper Project Video: <https://youtu.be/GhrqPQFaXFw> For more information on how you can support the Capper Project and the Kansas Fairgrounds Foundation please contact James Fisher at 816-262-1157 or [James.Fisher@KansasSFF.com](mailto:James.Fisher@KansasSFF.com).

### Senators Marshall, Moran announce \$3.4 million for KSU to build core lab facility

U.S. Senators Roger Marshall, M.D. and Jerry Moran announced that the U.S. Department of Health and Human Services awarded Kansas State University (KSU) over \$3.4 million to become a national leader in advancing the discovery and development of biosecurity strategies for emerging infectious diseases that threaten public health.

"Manhattan, Kansas and my alma mater Kansas State University are home to some of the most cutting-edge biological and infectious disease research, and this grant will coordinate their efforts to multiply their successes," said Marshall. "The whole world is painfully aware of how dangerous infectious diseases can be as we continue to live through the COVID-19 pandemic. This collaborative research is monumental to understanding, preventing, and combatting any biological threats to our animal populations and public health."

"Kansas State is well-known for being a premier research institution within the animal health corridor," said Moran. "This federal grant will serve to strengthen our nation's biomedical research infrastructure in the wake of the pandemic and support critical animal health research being conducted by K-State professors and students. As an appropriator for the NIH, I supported resources for the construction of biomedical research facilities, and I will continue to work with our federal agencies to make certain that Kansas is a priority when these resources are distributed."

"We seized an opportunity to strengthen our research capacity and infrastructure by creating an integrated technology pipeline in this new space," said Bonnie Rush, M.D., Dean of KSU's College of Veterinary Medicine. "This will give our university a modern biomedical research facility with advanced instrumentation and technical support to foster collaborative, transdisciplinary science across the university and beyond. This is critical to promoting robust research and training environment where researchers can answer challenging and urgent biomedical questions of our time."





## Cooperative Communities

By Jackie Mundt,  
Pratt County farmer  
and rancher

Happy National Cooperatives Month! As a cooperative communicator, October is full of educating people about and emphasizing the benefits of cooperative membership.

Last year at this time, I wrote in this column about the history and value of cooperatives. To recap, we are fortunate to have robust, mature, and stable cooperatives build on the foresight of our ancestors.

During my recent travels to the Baltics with Kansas Farm Bureau's Casten Fellows Program, building my cooperative knowledge was one of several highlights.

A little context is important here. The Baltic countries all have relatively "young" farms started from scratch with a history of less than three decades because they were only liberated from the USSR in the early 1990s. That liberation came with the collapse of their existing system of agriculture, supply chain as the USSR utilized collective farms where the state mandated regions specialize in a few pieces of the system. In the Baltics the freedom to own land, farm independently and conduct free-market business has been tempered by the challenges of lack of infrastructure and capital, and inexperienced farmers and land-

owners.

It should not have been surprising but my jaw dropped the first time a farmer shared that they were the proud member of a two-year-old grain cooperative with 30 members. The farmer was also excited to share they were one of ten farms starting a beef cattle cooperative. Even small cooperatives in Kansas have seven or eight decades of history and dozens to hundreds of members.

I was primed with all kind of questions when we arrived at our first cooperative. It was the closest opportunity I would get to travel back in time and question my organization's founders. I was not disappointed as both the general manager and chair of the board, who was also one of the founders, were both there to meet with our group.

There were many similarities with us, like sourcing seed and fertilizer for

members, grain storage and constantly exploring opportunities to add value for members. We also saw farmers having coffee, confirming that is a universal ritual of cooperatives. We all laughed when the chair told us we could not leave without discussing crop yields and land prices as he couldn't return empty-handed to his neighbors.

In contrast, we observed how being new altered their business. The cooperative had rented a barge and took on risk for grain until it reached northern Africa. It was exploring processing grain for domestic demand that was not being met. We were also reminded that their farmers had real skin in the game because they didn't have past sales to build equity and capital. Their farmers had to buy-in with a membership fee assessed on how much ground they farmed.

One of my most import-

ant take-aways for the trip came from this visit. I was curious about how they market the idea of cooperative membership to get people to buy-in. The chair's response was a bit shocking. He said it was easy to sell the cooperative but they don't really actively seek new members. He went on to say they could sign-up new members who would benefit from the cooperative but not be a good fit for the community. Their core group of members are neighbors who want to work together, not just for their own profitability but for the community. They are a small committed group. They work together, socialize together and grow together. Having that community mindset is more important than any other benefit when seeking or evaluating new members.

Farmers in the Baltics reminded me that cooperatives are all about

community. They are a community of people who act, risk their resources, and do things that benefit themselves and their neighbors, children and the industry. That mindset of working toward a common good and investing in the community not for selfish gain sometimes feels absent in our lives here.

As we celebrate Cooperatives Month, I challenge us all move away from the complacency that comes with our well-established roles in the community. Maybe taking new eyes to your community will help you to see needs and find ways to build something new or at least supporting something for the greater good.

"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.

## Research IDs keys to consumer acceptance of ag technology

New research from The Center for Food Integrity (CFI) identifies driving factors of consumer acceptance or rejection of technology, providing farmers and other organizations with insights to advance the innovation crucial to U.S. agriculture and a safe, sustainable food supply.

"Agriculture has a rich history of innovation," said Charlie Arnot, CFI CEO. "As farming and food production practices integrate more technology, it's increasingly important for those in agriculture to understand the keys to successfully building support for technology so they can continue to make progress."

In the research, conducted with support from the United Soybean Board (USB), CFI measured consumer attitudes regarding four agriculture and food technologies with the overarching goal to identify the drivers of consumer acceptance and rejection of technology as a whole. The technologies used as prompts in this study included gene editing in plants, gene editing in animals, plant-based meat and cultured (cell-based) meat.

### Acceptance Drivers

Several consistent themes regarding support for and rejection of technology emerged in the study. Among the key drivers for acceptance:

Belief that food resulting from technology use is safe to consume

Information on food produced through technology is readily available, enabling an informed choice of voluntary exposure

Benefits outweigh perceived risks

Technology can help ensure a consistent supply of food

Technology promotes greater sustainability by making more with a lesser environmental impact

"Consumers are concerned about the direct impact on them, 'Is the food I'm consuming safe and healthy?'" said Arnot. "That's why there's greater concern about technol-

ogy like pesticides and gene editing, compared to drone technology or GPS systems."

The research shows that consumers also trust in the organizations that approve and monitor the impact of technologies, and they prefer third-party, independent oversight, along with information from that third-party source.

For a technology to be accepted, the benefits of the technology must outweigh the perceived risk of consuming the end product.

"This study shows ac-

ceptance of ag technology is highly dependent on the tangible nature of the technology output," said Arnot. "In other words, ingredients are not as 'visible' to consumers, while end products like meat sold in restaurants or grocery stores are very visible. The more tangible the product and perceived impact, the greater the need to deploy a strategic approach to earn acceptance."

Additional findings show that Gen Z, millennials and early adopters (those that actively research and share infor-

mation) are more accepting of technology to solve challenges. Generally, consumers in these groups also believe they are more knowledgeable about agriculture technology.

"It's important that we engage these consumer segments as they will continue to drive broader consumer acceptance and have growing purchase power," said Arnot.

CFI will detail findings during a free one-hour webinar on Monday, Oct. 25, at 2 p.m. Central time. A registration link can be found on the home page at [www.foodintegrity.org](http://www.foodintegrity.org).

While the research shows only one in ten feel they know a lot about the use of technology to grow food in the U.S., nearly two out of three have a very positive or somewhat positive impression of the use of technology.

"That points to a tremendous opportunity for those in agriculture and food to keep the momentum going and engage on the many benefits of innovation in producing safe, nutritious food to meet the needs of consumers and protect our planet," he said.

To conduct the research, CFI applied a model on consumer acceptance of food technology published in the June 2020 issue of *Nature Food* by Siegrist and Hartmann. CFI research was conducted via survey in July 2021 across the U.S. and included a random sample representative of the larger population.



Today will be a good day. You know how I know? This marks 48 hours of no cows out. We have hit that time of the year when the cows are restless, and I hold my breath each morning when I approach the pastures. This morning makes the second day in a row and actually the fourth day in a row that I have not had anything on the wrong side of the electric fence. There is a little hesitation because Sunday and Monday morning the cows were in when I first checked but I did have an escapee during the day.

I don't know about the rest of you, but often the mood of my day is determined by something that happens early on. One big one is if I have my coffee. I need two cups to get me out the door and on the way to a good day. I almost never forget to have plenty on hand, but I have had the odd day when I have had a mechanical failure. That starts my day off on a really bad note. For one thing I have a headache all day and for another I have to make a trip to town to get a new coffee maker.

Then how my chores go is another indication of how the rest of my day is going to be. The biggest example of this is the cows being in. Most mornings that is not a problem or a factor. However, lately I have had several testing me. The sight of a cow on the wrong side of the fence can really mess up my morning. The number of cows on the wrong side of the fence amplifies the effect. This often causes me to be late for other things which also makes me grouchy and edgy.

Sometimes the indicator is even more minor than wayward cows. I have a wagon that I can put six to eight five-gallon buckets on and pull down the alley to feed sheep. When it was new it had sides; they worked great unless you were hauling hay bales and then they needed to come off. Over the years we have broken the latches and two of the four sides are now somewhere safe. That is farmer code for I put them somewhere to fix and now I can't find them.

In any case, I have a hill that goes from the feed bins to the sheep pens. Most of the time it is fine, but if the

wagon has gotten wet during the night, it becomes slick and one of the missing panels is in the front. If I am not paying attention (which is about fifty percent of the time) or too slow (which is also about fifty percent of the time) the buckets will slide to the front, fall off and spill. This causes me much annoyance and makes me agitated. Often this lasts the rest of the day, especially if it is followed by cows being out.

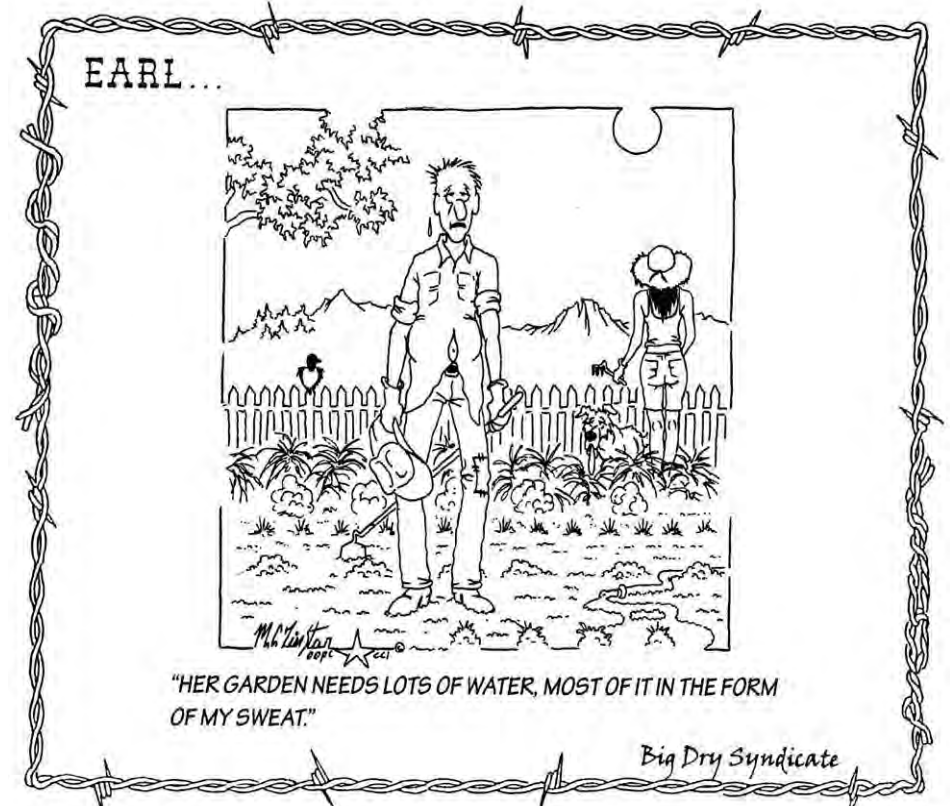
Those are the two most likely culprits of a bad day but other things such as flat tires, dead batteries, low fuel tanks and various mechanical failures also can contribute to a less than desirable start to the day. If I am on a tight schedule other things like water tanks that need refilled and hay feeders that are empty can cause me to be grumpy and anxious.

Of course, there are other, non-ag things that can mess up my day like a hole in my sock or a leaky boot. My family will tell you that wind direction and barometric pressure also can be culprits. Actually, they will tell you there are days that I am grumpy for no good reason and often they would be right.

I know that having something early in the day determine how your day will go is really dumb. Why would anyone let a minor event like spilled feed decide the mood they are in defies logic and I would agree with that, but I feel the need to be honest. The flip side is on those rare mornings when everything goes right, I am usually in a good mood at least until noon. Those days usually happen once a month or so.

I am resolving right here and now to not let the happenings during chores determine how the rest of my day is going to go. I vow to be happy and upbeat no matter how many buckets spill or if I have any cows that are misplaced. I will grit my teeth and grin when I have a hole in my sock or a leak in my boot. I will hum a happy tune as I change a tire or jump a dead battery.

At least I will this morning because I didn't spill any buckets, have any cows out and everything started. As for tomorrow, who knows? Three days in a row will be asking for quite a lot.



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# Ethanol keeps gaining ground in the race to reduce carbon

Replacing toxic carcinogens in gasoline provides a huge boost to an already impressive carbon reduction number for ethanol, according to a new study published by Transport Energy Strategies (TES), a leading energy consultancy with expertise in emissions, fuel and oil refining.

TES found that ethanol's inclusion in the fuel supply has had an even greater impact on reducing carbon emissions than previously determined. This occurs because ethanol replaces toxic aromatics in gasoline, the most carbon intensive component of the fuel. Ethanol has the highest octane rating of any other additive and reduces the need for these known carcinogens at an oil refinery.

Based on the findings by TES, Urban Air Initiative calculates that when credited for lowering aromatics, ethanol's greenhouse gas (GHG) emissions are 56% lower than gasoline, compared to the currently modeled 43% reduction.

"For years, the ethanol industry has touted the value of displacing aromatics with ethanol from an air pollution and public health standpoint, but no one has, to our

team's knowledge, ever truly factored in what displacement might mean for carbon intensity and for reducing GHG emissions," said Tammy Klein, founder and CEO of Transport Energy Strategies and a member of the study team. "Our findings break new ground."

Until now, all of the modeling around corn ethanol and carbon centered on the lifecycle analysis of how ethanol gets from the corn field through the processing stage. TES looked into the carbon impact of blending ethanol into gasoline in order to more accurately assess the total lifecycle. The study found that the displaced aromatics have a high carbon score, and the inclusion of ethanol therefore improves the GHG impact of the finished fuel. This advantageous blending attribute is due to ethanol's high octane rating and has been neglected in prior literature.

"This is just one more example of how ethanol helps decarbonize liquid transportation fuels. It's a readily available, clean, plant based solution that's already made more of a difference than it has been credited for. The findings by TES demonstrate the need to update the current science and recognize ethanol's ability to have

an even larger carbon benefit with increased availability of higher blends," said Urban Air Initiative president Dave VanderGriend.

VanderGriend said the goal is now for ethanol's updated carbon score to be incorporated into a calculation of the Greenhouse Gas and Regulated Emissions in Transportation (GREET) Model, which is the gold standard of GHG emissions modeling developed by the Department of Energy through their Argonne National Laboratory.

## USDA grant supports new K-State hotline for diagnosing toxic animal emergencies

Rapid response to animal health emergencies has prompted the creation of a new veterinary toxicology training program at Kansas State University. A \$248,000 U.S. Department of Agriculture grant will enhance the ability of researchers in the College of Veterinary Medicine to answer calls for help.

The goal of the program, developed by Steve Ensley, clinical veterinary toxicologist, and Bob Larson, professor of production medicine, is to create impactful and innovative outreach tools. This will better enable livestock veterinarians to recognize and address toxicology problems in food animal species, especially cattle, small ruminants and pigs.

This project will utilize veterinary telemedicine and other distance-based education resources, including a toxicology call-in hotline for practicing veterinarians called CONSULT — Collaborative, Online, Novel, Science-based, User-friendly, Learning Tool — for common livestock toxicology problems, and YouTube training videos.

The nationwide call-in service to address common food animal toxicological emergencies was identified as a priority by the researchers.

"The toxicology section at the Kansas State Veterinary Diagnostic Lab and I receive multiple calls each day dealing with questions about food animal veterinary toxicology from across the U.S.," Ensley said. "Many questions are about current cases that veterinarians are dealing with and they want assistance in answering specific questions. Because of the infrequent nature of most toxicological case presentations, many practicing veterinarians find it difficult to maintain the current knowledge necessary to quickly address specific toxicological emergencies."

The outreach portals created with the grant provide new and valuable resources to practitioners.

"This program will greatly enhance currently available toxicology resources for teaching

veterinary nurses and veterinary students during the last two years of their professional education," Larson said.

Some of the resources can be modified to be content-appropriate to introduce important animal

health concepts to high school students in grades 11 and 12, he said.

Outreach portals for the training materials will include the websites for the Beef Cattle Institute, Kansas State Veterinary Diagnostic Laboratory,

K-State Veterinary Medical Continuing Education and the Colby Community College veterinary nursing program.

### Circleville Saddle Club

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Karrie Sullivan, Salina, Wins Weekly  
Grass & Grain Recipe Contest & Prize  
Winner Karrie Sullivan, Salina: "These are amazing.  
Great with fall coming!"

## PUMPKIN CHOCOLATE CHIP COOKIES

1 1/2 cups butter, softened  
1 cup white sugar  
2 cups brown sugar  
1 egg  
16-ounce can pumpkin  
1 teaspoon vanilla  
4 cups flour  
2 cups quick oats  
2 teaspoons soda  
2 teaspoons cinnamon  
1 teaspoon salt  
2 cups chocolate chips or 2 cups raisins

Cream butter, sugars and egg. Add pumpkin and vanilla.  
Add remaining ingredients. Bake at 350 degrees for 12 to 15 minutes.

**Cream Cheese Frosting:**  
8 ounces cream cheese, softened  
2 teaspoons vanilla  
1 stick softened butter  
1/2 bag powdered sugar  
Combine frosting ingredients and adjust as needed for thickness. Frost cooled cookies.

**Kimberly Edwards, Stillwater, Oklahoma: BLACK WALNUT COOKIES**

1/2 cup sugar  
1/2 teaspoon salt  
2 2/3 cups milk  
1/2 teaspoon nutmeg  
1 teaspoon vanilla

Set oven to 350 degrees. Beat eggs then add sugar, salt, nutmeg, vanilla and milk. Beat well. Pour into pie shell. Bake 35-40 minutes.

**Susan Schrick, Hiawatha: CROCK-POT HAM, GREEN BEANS & POTATOES**

2 pounds fresh green beans  
2 pounds of ham  
4 baking potatoes  
1 large onion (optional)

Dice the ham, green beans and onions (if you are using it) and potatoes. Plunk it all into your crock-pot and add 3 cups of water; season with salt and pepper (according to taste). Cook for 6 hours on low.

**Jackie Doud, Topeka: BEEF STROGANOFF**

1 tablespoon butter  
6-ounce can small mushrooms

1/4 cup finely chopped onion  
1 can Golden Mushroom soup  
1/2 cup sour cream  
2 tablespoons milk  
1/4 teaspoon pepper  
3 cups leftover steak, cut into pieces

Melt butter. Add mushrooms and onion; cook stirring until tender, about 4 minutes. Stir in soup, sour cream, milk and pepper. Cook until blended. Add steak and cook 2 minutes. Serve over noodles.

**Millie Conger, Tecumseh: BEEFY CASSEROLE**

1 pound ground beef, cooked & drained  
3/4 cup uncooked rice  
1 can stewed tomatoes  
1 envelope Lipton Onion Soup Mix (or the beefy onion soup mix)  
1 can hot water  
1 can whole kernel corn, drained

1 cup shredded Cheddar cheese

Mix all ingredients except cheese in a casserole dish. Bake at 350 degrees for 45 minutes covered; take out of oven and sprinkle with cheese and bake 5 minutes uncovered or until cheese is melted.

**Rose Edwards, Stillwater, Oklahoma: HONEY MAPLE GLAZED CARROTS**

1 1/4 pounds miniature carrots  
3 tablespoons butter  
1 tablespoon honey  
1 tablespoon brown sugar  
1 tablespoon maple syrup  
Cook carrots until done. Melt butter then stir in honey, brown sugar and maple syrup. Cook and stir until thick and bubbly, about 3 minutes. Add carrots and toss.

## Cleaning And Storing Canners

By Nancy Nelson, Meadowlark Extension District Agent, Family Life

When canner lids are brought to an Extension office to have the gauge tested for accuracy, we see a variety of cleanliness in the way they have been stored. As canning season winds down, it's time to clean and store the equipment for next year. Here are some tips for pressure canners.

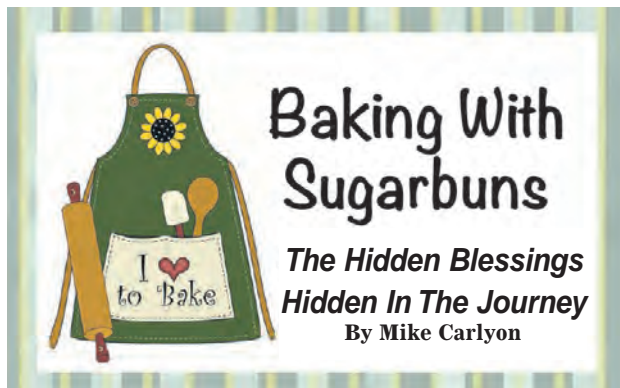
Clean the vent and safety valve with a clean string or small piece of cloth through the opening. Check to make sure the safety valve is free of debris and operates freely. It's always a good idea to check the manufacturer's instructions. If a paper manual is not available most likely the company's website will have an online version.

Check the gasket for cracks and food debris. The gasket is the rubber or rubber-like compound that helps seal the edges of the canner and lid to prevent steam from escaping. Gaskets are removable for cleaning or replacement. If needed, new gaskets can be ordered from the canner manufacturer or found at hardware stores. Some canners do not have a gasket and use a metal-to-metal seal so again check the manufacturer's directions.

If the inside of canner has darkened, fill it above the darkened line with a mixture of 1 tablespoon cream of tartar to each quart of water. Place the canner on the stove, heat water to a boil, and boil covered until the dark deposits disappear. Sometimes stubborn deposits may require the addition of more cream of tartar. Empty the canner and wash it with hot soapy water, rinse and dry.

Store the canner with crumpled clean paper towels in the bottom and around the racks. This will help absorb moisture and odors. Place the lid upside on the canner. It is not recommended to put the lid on the canner and seal it.

Designate a clean, dry storage area for your canning equipment and utensils. Use storage boxes, stackable racks, and other organizer accessories to make a storage center. Next spring you'll be ready for another year.



## Baking With Sugarbuns

The Hidden Blessings  
Hidden In The Journey  
By Mike Carlyon

So I don't normally write for this column or for anything for that matter, but here we go. My name is Mike (I'm Michele AKA Sugar Bun's oldest sibling). I have two little girls, Mika and Chloe, who you have read about on multiple occasions, a great wife, Marissa, and an extended family who means the world to all of us.

This week we experienced a devastating loss. My mom's mom Wilma (AKA Nanny) passed away on September 28, 2021 at 9.30 p.m. It was a devastating loss but a relief knowing she was no longer in pain. Nanny was 94 years old and a fighter through and through. I think the woman had more metal parts in her than the Terminator.

Nanny fell at her house on the 18th and broke her pelvis; while at the hospital over the next week the issues kept piling up... possible internal bleeding, blocked bowel, just thing after thing. Much to our surprise this superhero of a woman decided to make a decision that shocked us all. She decided she didn't want to fight anymore; she wanted to go on and see her parents and daughter in heaven. This news took an emotional toll on all of us; we knew it was her choice and for the best but it's still hard. So the moves were made to put her on Comfort Care (once again her choice), and to move into a hospice facility later in the week.

All of this back story leads to my real story... finally. My wife, kids and I took over a tradition my mom and I started back in high school, and started taking Nanny breakfast every Saturday and Sunday after we had our first child Mika four years ago. We'd take her something to eat and let her hold the babies when they were young and progressed to letting her watch them play for about an hour each day on the weekend. Mika and Chloe became something for Nanny to look forward to. We'd walk in the house and she'd light up and say "Hi girls!" (part of the time not acknowledging Marissa or I). But it built a bond that she held dear.

Well, Saturday the 25th Nanny had already decided on her journey and had asked to have my girls brought up to see her. So after approval by the doctor (COVID restrictions restrict the number of guests) the girls and Uncle Andy and I headed that way. We got up there and my girls ran to Nanny to give her love, and her eyes lit up. After a few minutes of showing off our new boots and what-not Chloe decided to play with Uncle Andy. Mika, on the other hand, stood by Nanny's side and held and

rubbed her hand with the care and love unimagined to be coming from a 4 year old who really doesn't know that this get-together is for saying good-bye. After 15 minutes or so we gave one more love and headed out, with many teary eyes in the room.

Later in the day the girls and I were headed back into town when Mika asked how long Nanny would be in the hospital. I responded with Nanny is very sick and we really don't know; trying to avoid the talk of death with my three and four year olds. Chloe (three years old) responds with a statement that almost made me break down. She says, "Maybe we can call Gigi (Marissa's mom who babysits/raises our kids) and see if she will help pray for Nanny." As you can imagine it hit hard, so we proceeded to talk about it a bit and then went on to the next thing.

Sunday rolls around and we get invited up to see Nanny again. She's very with it and overjoyed to see their faces again. After much love and hugs, and home drawn pictures to spice up her room, we head home with Marissa and me knowing our girls will never see Nanny alive again. The aches, pains and time catch up to Nanny in the next few days and she passes Tuesday evening.

The next morning Marissa and I had decided to let the girls know Nanny had went on to heaven before we had to head off to work. I sat Mika on my lap and Chloe plops down next to me on the pew where we put on our shoes and I break the news to them that Nanny is gone and in heaven now. Mika is about cuddling when something is new or sad, so she curls up in my shoulder and processes it like a four-year-old can. Chloe, on the other hand, looks at me, smiles and says "It's okay, Dad. Gigi says God has a big house in heaven where we all can have our own rooms, and Nanny will get to see everyone she loves." As you can imagine this tears me up, my three-year-old has no fear of death, or loss. She sees it for what it is, "God's Plan." She sees the good and has no doubt that everything is fine.

It's the little moments like that that make you realize that you have so much. We got a great family, great grandmas, great grandpas, grandmas, grandpas, aunts, uncles, cousins, and friends who help mold us and our beliefs. They are there no matter what and show up in small ways. Though we lost a wonderful woman, she lives on in every life she intertwined with. Nanny may be gone but in all our hearts she will live on.

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The winner each week is selected from the recipes printed. Send us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you.

1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear. 2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery.

3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505.  
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Popcorn lovers rejoice: October is National Popcorn Poppin' Month, a seasonal celebration of one of America's oldest and most beloved snack foods.

As farmers head into the fields to harvest crops, families and friends gather to honor this ever-popular treat. Whether stovetop, microwave or ready-to-eat, we consume 15 billion quarts each year of this wholesome, whole grain.

Having been long regarded as a sign of good times, popcorn has found a new appreciation by today's lean and green consumer. Celebrated for its seed-to-snack simplicity, popcorn is also non-GMO, vegan, gluten-free, sugar-free, and naturally low in fat and calories, which makes it an easy fit for dietary preferences — and it's budget-friendly. A quart of popped popcorn costs as little as 15 cents.

Add in popcorn's irresistible smell, taste, and versatility and it's easy to understand its popularity. With so many different ways to eat it — plain, buttery, or loaded with goodies — popcorn always fits the mood or occasion.

Pop up a bowl and join the Popcorn Poppin' Month celebration.



**CARAMEL CORN CRUNCH**

*Classic. Say no more.*

**Yield: 3 quarts**

1/2 cup butter  
1/2 cup brown sugar, firmly packed  
3 quarts popped popcorn

Cream butter; add brown sugar and whip until fluffy. In a large

baking bowl, combine popcorn and creamed mixture. Bake in a 350-degree oven for about 8 minutes or until crisp. Serve warm if desired.

**Nutrition Facts:** 140 calories; 10 g total fat; 5 g saturated fat; 20 mg cholesterol; 60 mg sodium; 13 g carbohydrates; 1 g fiber; 9 g sugar; 1 g protein; 20 mg potassium.

\*\*\*



**POPCORN BISCOTTI**

*Classic Italian cookies just got crunchier and more delicious!*

**Yield: 3 dozen cookies**

3 eggs  
1/2 teaspoon vanilla  
2 cups flour, plus more for shaping  
1 cup sugar  
1 teaspoon baking soda  
1/8 teaspoon salt  
3 cups popped popcorn  
1/2 cup raisins, currants or chopped, dried apricots, optional

Preheat oven to 300 degrees. Spray two baking sheets with cooking spray; set aside. Beat eggs and vanilla together in a large mixing bowl. Sift together flour, sugar, baking soda and salt. Stir flour mixture thoroughly into egg mixture. Stir in popcorn and raisins, if desired (dough will be sticky). Spread a little flour on a work surface. Turn dough out onto work surface and divide into 3 equal pieces. Sprinkle flour over dough as needed to prevent sticking and roll each piece of dough into a log about 8 inches long and 2 inches wide. Transfer logs to baking sheets, allowing space between for spreading. Bake 30 minutes and

remove from oven (do not turn off oven). Allow cookie logs to cool about 5 minutes and transfer to cutting surface. Cut logs diagonally into 1/2-inch slices. Place cookies back on baking sheets in a single layer. Return cookies to oven and bake 20 minutes, turning cookies over after 10 minutes. Cool cookies on racks and store in an air-tight container.

**Nutrition Facts (per 1 cup):** 60 calories; 1 g total fat; 0 g saturated fat; 15 mg cholesterol; 50 mg sodium; 11 g carbohydrates; 0 g fiber; 6 g sugar; 1 g protein; 14 mg potassium.

\*\*\*



**CINNAMON SUGAR KETTLE CORN**

*Watch this quick and delicious take on the classic disappear at your next party!*

**Yield: 3 quarts**

1/2 cup popcorn kernels  
1/4 cup vegetable oil  
1/4 cup sugar  
1/2 teaspoon cinnamon

Heat oil in a pan. Add popcorn kernels. Sprinkle in sugar and cinnamon. Stir to mix. Place lid on pan and shake pan frequently to prevent burning. Remove when popping has slowed or stopped.

**Nutrition Facts:** 100 calories; 5 g total fat; 0.5 g saturated fat; 0 mg cholesterol; 80 mg sodium; 16 g carbohydrates; 2 g fiber; 7 g sugar; 1 g protein; 0 mg potassium.

For more recipes go to [www.popcorn.org](http://www.popcorn.org)



**K-State's Popular Dining With Diabetes Program To Launch 'Email Challenge' To Help Ease Anxiety Toward Costly Disease**

MANHATTAN – In 2020, the U.S. Centers for Disease Control and Prevention estimated that 34.2 million Americans are living with diabetes. More than 1 in 3 – or 88 million more – adults have pre-diabetes, or a condition that indicates a person has a higher than normal blood sugar level.

So, it's not a stretch to say there is anxiety toward a disease that costs Americans more than \$327 billion in medical costs and lost work productivity annually.

"We know that a diagnosis of diabetes can be scary and overwhelming to folks," said Gayle Price, program director for Kansas State University's Dining with Diabetes program, and an extension specialist at the Southeast Kansas Research-Extension Center in Parsons.

K-State Research and Extension is taking its popular Dining with Diabetes program and adapting it to a four-week "email challenge," coinciding with National Dining with Diabetes Awareness month in November.

Registration for the free, email challenge begins Oct. 6 and runs through Oct. 27. Interested persons must register online at [www.k-state.edu/diningwithdiabetes](http://www.k-state.edu/diningwithdiabetes). The first lesson will be available via email message that will be sent on Nov. 1.

Sara Sawer, the program's lead trainer and a family and consumer sciences agent in Sedgwick County, said the four-week challenge is "a great way to get basic information" on diabetes, whether participants have previously

attended a Dining with Diabetes course or not. "We see a lot of caregivers that say their spouse or their loved one has been diagnosed with diabetes," Sawer said. "They are overwhelmed, and they don't know what to prepare for meals, or what to do about grocery shopping. They feel like the way things need to change, but they don't know where to start."

What Sawer is able to tell people is that not all changes are drastic.

"You don't need to make two different meals for the family," she said. "Everyone can benefit from eating healthier. Everyone can benefit from choosing healthier carbohydrates, limiting saturated fat and sodium and added sugar."

"One thing we encourage people who take our classes is to be a little more adventurous, such as maybe once a week they will purchase a new fruit or vegetable or learn a new way to cook it. You may find things that you think you didn't like, but find out that you do. It's just a new way of thinking."

Sawer said those who sign up for the email challenge will receive two email messages per week – one on Monday and one on Thursday. The weekly message

es walk participants through setting goals, tracking progress, reflecting on what they've learned and more. Participants will also be invited to join a private Facebook group.

"We've learned from our face-to-face and our online programs that people want to have opportunities to engage and share and learn from others that are facing the same challenge with the disease," Price said.

The program also guides participants through a new focus each week, according to Sawer. Those include primers on what diabetes is; the truth about carbohydrates; meal planning; and building a support system.

"And each week has recipes and videos at the end for people to enjoy and share with their support system," Sawer said.

More information is available online, or by visiting local Extension offices in Kansas.

*Links used in this story: Dining with Diabetes, [www.k-state.edu/diningwithdiabetes](http://www.k-state.edu/diningwithdiabetes)*

*K-State Research and Extension local offices, <https://www.ksre.k-state.edu/about/stateandareamaps.html>*

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# FALL HARVEST SPECIAL 2021

## Midland Marketing Co-op joins farmer-owned Truterra network to bring new sustainability and profitability opportunities to local producers

Midland Marketing Co-op Inc. has announced that it has joined the Truterra™ network, the only farmer-owned and farmer-driven food and ag sustainability program in the U.S., launched by Land O'Lakes Inc. in 2016. Being part of the Truterra network will allow Midland Marketing Co-op Inc. to offer local producers a powerful suite of tools to help them optimize sustainability and profitability. Through Truterra, producers are also better positioned to access opportunities to be rewarded for stewardship, including

carbon and emerging ecosystem services markets.

Producers working with Midland Marketing Co-op Inc. will now have access to the Truterra™ Insights Engine, a best-in-class sustainability tool that allows producers to generate a stewardship baseline for every field and then predict and measure the impact of implementing specific conservation practices on both the environment and their profitability. Midland Marketing Co-op Inc. will work with interested producers to document their current practices and then unlock

insights about their fields to evaluate and implement conservation practices to better achieve agronomic and economic goals. With Truterra, producers retain ownership of their data at all times.

"We are seeing the shift in the retail consumers. They want a wholesome sustainable product that producers are creating while bettering the world we live in," said Kevin Royer, CEO of Midland Marketing Co-op. "Midland Marketing producers have been leaders in the Ag industry with adopting to no till and conservation-

practices; we are happy to bring a program to them like Truterra that will acknowledge their stewardship practices."

"With the addition of Midland Marketing Co-op to our ag retailer network, Truterra is able to expand its footprint in Kansas and provide more farmers with the tools and technology needed to advance their sustainability practices," said Mariah Murphy, Truterra field team leader. "We're proud to work with ag retailers like Midland that support farmers with their on-farm stewardship."

Using the Truterra™ Insights Engine will also help producers determine if they qualify for opportunities to earn money by improving their stewardship. In February 2021, Truterra launched their carbon credit program, a transformational new carbon program that will help producers generate and sell carbon credits to private sector buyers. For the first offer, participating producers will receive \$20 per ton of carbon with payments this fall for this first tranche of credits. Qualifying producers will be compensated for

carbon sequestration retroactively up to five years based on the soil health practices they adopted in prior growing seasons.

Participating in future offers requires data and getting started with the Truterra™ Insights Engine is a great way for producers to be ready to take advantage of new revenue streams as they emerge.

For more information about working with Midland Marketing Co-op Inc. and getting access to new offerings through Truterra, please visit [www.midlandmarketing.org](http://www.midlandmarketing.org) or [www.truterraag.com](http://www.truterraag.com).

## Make a plan when marketing this year's grain crop

"If you fail to plan, you are planning to fail." Crop farmers should take this adage to heart when marketing their grain, advises University of Missouri Extension agricultural economist Martyn Foreman.

"If you haven't already developed a post-harvest grain marketing plan, then now's the time," says Foreman. "By outlining a grain marketing plan,

producers have a better chance to boost the returns they earn from the large investments they made in producing the crop."

When developing a plan, Foreman says to keep it simple. By writing a one- to two-page plan, farmers can refer to it as needed and have a marketing strategy that's simple to execute and specific

to their operations.

To start planning, growers need these pieces of information:

Expected production.  
Cost of production.  
On-farm storage capacity.

Pre-harvest sales.  
Balance of production in storage left to sell.

Cash flow needs.  
With this information in hand, Foreman says, farmers can create a plan with four elements:

1. **Split grain sales into increments.**

For unpriced bushels you have in storage, divide those total bushels into increments. The size of the increments will depend on your cash flow and other financial needs.

Consider selling smaller increments more often rather than making two or three large incremental sales, Foreman says. The smaller increments

will help you to spread your price risk over more bushels.

2. **Establish price targets.**

In most years, crop prices hit their lows at harvest and gradually increase through the late fall, winter and spring. Price gains from harvest lows to spring highs usually average 10% to 15%.

Knowing these seasonal price trends, you can set price targets for a significant portion of the grain in storage then sell when market prices reach your targets.

Price targets will depend on a crop's supply and demand. Based on current market conditions for corn and soybeans, you might take a more aggressive stance, Foreman says. For example, you might

set targets that are 20% to 25% higher than harvest lows. In this case, you'd begin making incremental sales when prices are 10% higher than harvest lows and sell your last increment when prices are 25% higher than harvest lows.

3. **Set sales deadlines.**

Establishing a deadline to sell acts as a back-up plan if price targets are not met. You can set sales deadlines to meet cash flow needs or align them with seasonal price tendencies so you may still capture seasonal price strength.

"If you establish sales deadlines in advance, then they help to dampen emotions associated with making marketing decisions," Foreman says. "This is often one of the

most difficult aspects of grain marketing to overcome. Sales deadlines force discipline into the marketing plan."

4. **Select marketing tools to use.**

Outline how you plan to use basic cash contracts, including cash forward contracts, basis contracts, hedge-to-arrive contracts or other tools to capture marketing opportunities that may arise.

"If you choose to use futures, options or more complex contracts, then be sure you clearly understand the contract's terms and risks involved," Foreman says.

You can find MU Extension grain marketing resources at [muext.us/GrainMarketingResources](http://muext.us/GrainMarketingResources).



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## NASS reports Kansas small grain acreage and production

Winter wheat production is estimated at 364 million bushels, up 29% from last year, according to the USDA's National Agricultural Statistics Service. The area har-

vested for grain totaled 7.00 million acres, up 12% from 2020. Planted acreage totaled 7.30 million acres, up 11% from a year earlier. The yield is 52.0 bushels per acre, up 7.0

bushels from 2020.

Oat production is estimated at 1.00 million bushels, up 20% from 2020. Area harvested for grain, at 20,000 acres, is up 25% from last year. Planted acreage totaled 115,000 acres, down 18% from a year earlier. Yield is 50.0 bushels per acre, down 2.0 bushels per acre from last year. Barley production is estimated at 264,000 bushels, down 14% from a year ago. Area harvested for grain is 4,000 acres, down 33% from 2020. Planted acreage totaled 14,000 acres, down 13% from last year. Average yield, at a record high 66.0 bushels per acre, is up 15.0 bushels from 2020.

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# Decoding soybean maturity to prevent harvest losses

By David G. Hallauer, Meadowlark District Extension agent, crops and soils/horticulture

Soybeans can be a tough plant to figure out. Sometimes they put out a lot of foliage and not a lot of beans. Sometimes they are loaded with pods and shorter than ever. Sometimes they look like they are still green but are at harvest moisture. It can make any sort of harvest 'planning' difficult at best.

What we do know is once soybeans reach 50-60 percent moisture (brown bean in the pod starting to shrink down a little/detached from the pod wall), moisture often drops more quickly than we might think – maybe as much as three percent per day. That typically means we reach

'optimum' harvest moisture (13 percent give or take) quickly – and then drop even lower.

That drop even lower may not seem like much, but it can easily end up with 'lost bushels.' Work done at the University of Nebraska (<https://cropwatch.unl.edu/harvest-soybeans-13-moisture>) illustrates this loss comparing a 60-bushel-per-acre yielding soybean crop at 13 percent (no pounds lost due to moisture correction) versus a 60-bushel-per-acre soybean crop at 10 percent – essentially giving up two pounds per acre. Different yields and prices change the numbers, but the bottom line is: losing moisture in the standing crop equals lost bushels.

To get ahead of moisture loss, consider harvesting at

higher moisture levels, even though the crop may not look dry from the road (soybeans are fully mature when 95 percent of the pods are at their mature tan color). Moisture increases with dew and higher humidity. Harvest in less dry conditions can help retain moisture plus reduce harvest losses, too (four to five beans per square foot is approximately one bushel per acre). If storage and drying is an option, consider harvest at a higher moisture and aerating down to 13 percent.

Longer term, run some numbers using the link above. It might surprise you how much yield is lost due to moisture and may help guide maturity and planting decisions for 2022.

# Kansas State University professor co-leads \$10M grant to study artificial intelligence in agriculture

By Pat Melgares

A Kansas State University agronomy professor says a six-state project to study precision uses of water, nutrients, salinity, and the incidence of pests in the Colorado River Basin is a good example of how agriculture's future will include farming data as well as land.

Raj Khosla, who also is the head of K-State's Department of Agronomy, co-leads a five-year \$10 million grant awarded by USDA's National Institute for Food and Agriculture to explore ways in which America's farmers can help meet the year 2050 goal to increase food production by 40% while decreasing inputs – or the natural resources

footprint – by 50%.

"That's a tall order," Khosla said. "Given our track record we can cross the 40% mark (of increased production) in the next 40 crop seasons, but doing that with 50% less inputs is going to be challenging."

"For example, today a crop of irrigated corn takes about 2 acre feet of water to produce. In 2050 we would have to produce 40% more corn than we're producing today with one acre foot less of water. That's an uphill task."

Khosla, who began as K-State's department head for agronomy in January 2021, is a globally recognized authority on precision agriculture, having worked in that area since its incep-

tion. He is the founder and past president of the International Society of Precision Agriculture, and recently served as a member of the National Academy of Science's Executive Committee on Science Breakthrough 2030.

His research program has used remote sensing and other geo-spatial tools extensively to enhance agricultural production, resource use efficiency, profitability and sustainability of managed agro-ecosystems.

The \$10 million grant that Khosla co-leads (Elia Scudiero, a research agronomist at the University of California-Riverside, is the project director) aims to use new technologies to mine vast

amounts of data from farmer's fields, then use that information to apply water, fertilizer, pesticides and other inputs in a more targeted manner.

The area being studied – the Colorado River Basin – touches seven states, stretching 1,450 miles (including a 17-mile international boundary between Arizona and Mexico).

The Colorado River is a major renewable water supply in the southwestern U.S. Nearly two-thirds of the water flowing in the river is used for irrigation; the other one-third supplies water for urban areas. Khosla said researchers understand well that conserving water while increasing food production is a

mighty task.

"This is where the 5 R's of precision agriculture come into play," Khosla said. "We are learning more about how to apply the right input, at the right time, at the right place, in the right amount and the right manner." "Those are the layman's terms for what we need to do. But there's a lot of science that has to go behind it."

The USDA-NIFA grant, he added, will help determine the data needed to employ precision agriculture most effectively in farmer's fields, as well as translate data into decisions that the farmer can understand and make on their own.

"The idea is to keep the complexity related to

data collection, processing, and complex analytics to ourselves," Khosla said. "We want to deliver a simple, precise, reliable and automated solution to the farmer."

Ernie Minton, dean of the K-State College of Agriculture and director of K-State Research and Extension, said projects like the one that Khosla co-leads are critical for the future of agriculture.

"This project and others like it show the responsibility and care that farmers and agricultural scientists have for this industry," Minton said. "I think we all know that we need to produce more food, but we want to do that in ways that protect resources and lifestyles. We're on the right track."

# EPA revokes all ag tolerances for chlorpyrifos

Recently the Environmental Protection Agency announced that, effective six months from now, all agricultural-use tolerances for the insecticide chlorpyrifos will be revoked. This effectively prevents use of the chemistry, as any crops found with residues of chlorpyrifos will be considered "adulterated" under the Federal Food, Drug, and Cosmetics Act (FFDCA).

## Soybean cyst nematode testing available

By David G. Hallauer, Meadowlark District Extension agent, crops and soils/horticulture

Harvest is a great time to make an 'on-the-go' evaluation of a farm's performance as we finish out the crop year. Not only can you see physical differences in the field as you harvest, but see how they correlate on yield monitor software as well.

For soybean growers, harvest is a great opportunity to determine the reason behind lower yielding portions of individual farms. A quick look at fertility and soil maps can eliminate some issues, particularly when it comes to thinner soil types, etc., and yet some spots may be lower yielding for no apparent reason. That's when it might be time to consider soybean cyst nematode (SCN) pressure.

Soybean cyst nematodes are a microscopic organism capable in high numbers of causing significant yield losses – without

other pests that can transmit viruses that can further harm crops.

The decision to revoke tolerances follows on the heels of the April 29 decision from the Ninth Circuit Court of Appeals that ruled EPA must grant a 2007 NGO human health petition to revoke all tolerances and cancel registered uses for chlorpyrifos or modify them to meet FFDCA standards.

visual symptomology. As such, regular sampling is encouraged to help growers monitor SCN numbers. Immediately following harvest is a great time to check for SCN, and it can be done as soil samples are pulled for nutrient analysis as well.

Divide fields in to sections based on cropping history, yield, soil type, or, in fairly uniform fields, smaller sub fields. From each area, collect ten to 20 cores from a depth of six to eight inches while walking in a systemic pattern across the sample

area. Mix cores together and submit one pint of soil in a plastic bag. Samples should be refrigerated until shipping and shipped as quickly as possible via overnight means to a testing lab of your choice.

If you are a Meadowlark District Extension grower interested in free SCN testing available on a limited basis through the KSU Plant Disease Diagnostic Lab, contact me at any District Office or e-mail me at [dhallaue@ksu.edu](mailto:dhallaue@ksu.edu). Sample numbers are limited. Inquire soon.

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The Court gave EPA until August 20 to respond, which EPA has done with this ruling.

The American Soybean Association and its farmer-leaders have expressed significant disappointment with this decision.

"A pledge was made at the beginning of this administration that regulatory decisions would be based in sound science. EPA's decision to revoke tolerances of chlorpyrifos has given us great reason to question that promise," said ASA president Kevin Scott (SD). "The Ninth

Circuit Court of Appeals gave EPA the opportunity to preserve uses of chlorpyrifos if human health could be protected. EPA's career scientists have indicated they believe that is possible, yet EPA decided to revoke all agricultural tolerances regardless. As a result, our nation's ag producers and related environmental outcomes will suffer. It is disappointing EPA has allowed the fear of litigation to eclipse sound science and its regulatory responsibilities."

ASA has been on the front lines trying to pro-

tect continued grower access to chlorpyrifos. In March 2020, ASA filed its own comments and also led coalition comments to EPA supporting the chemistry, which drew nearly forty signers. In response the Ninth Circuit Court ruling, ASA drafted a coalition letter to EPA urging the agency to appeal or seek a rehearing on the Court's decision. ASA also participated in a grower meeting with EPA in July detailing critical uses of the chemistry and asking EPA to maintain as many uses as possible.

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# New \$3.43 million NIH grant to create core research facility at KSU College of Veterinary Medicine

Like a hub that connects the spokes of a wheel, the College of Veterinary Medicine is creating a new research center that brings together five highly focused laboratories at Kansas State University. The core laboratory is being made possible by a \$3.43 million grant from the National Institutes of Health and will strengthen research efficiency and collaboration among K-State scientists and beyond.

The core-facility suite is the final element of a three-phase renovation at the College of Veterinary Medicine. Phase 1

delivered the Boehringer Ingelheim Auditorium adjacent to Mosier Hall — a 220-seat, contemporary educational space. Phase 2 became the Hill's Pet Health and Nutrition Center for clinical training and community service, which occupies the first-floor space created by deconstruction of the outdated, two-story auditorium. Phase 3, the 5,000-square-foot research laboratory, will occupy the second floor of the old auditorium space.

"This new core research facility strategically combines five key disciplines: animal

model/pathology, molecular and cellular biology, microscopic imaging, flow cytometry and cell sorting, and next-generation sequencing," said Bonnie Rush, dean of the College of Veterinary Medicine.

The new research facility represents a critical component of the university's research infrastructure to support infectious disease studies. It will provide direct support of K-State's Center on Emerging and Zoonotic Infectious Diseases, or CEZID, which was created by an \$11.3 million grant in 2020 through the NIH's Center of Biomedical Re-

search Excellence, and nearby federal facilities in Manhattan that include the U.S. Department of Agriculture's National Bio and Agro-Defense Facility, or NBAF, and Arthropod-Borne Animal Diseases Research Unit.

"Kansas State University is poised to become the preeminent institution to advance the discovery and development of biosecurity strategies for emerging and zoonotic infectious diseases," Rush said. "With the upcoming deployment of the National Bio and Agro-Defense Facility next to our college,

K-State will be the only U.S. university with a full continuum of biosecurity level-1 through biosecurity level-4 facilities co-located on one campus. The new core laboratory will be an important resource for non-containment research."

Currently, existing laboratories are isolated from each other, spread across three buildings and in some cases, hosted by individual faculty members, creating a burden for the host scientist and inefficient workflow for all parties, Rush said. Consolidating these individual facilities into a combined core will improve laboratory access, optimize research workflows and experimental outcomes, and provide coordinated training opportunities for students.

"This will give our university a modern biomedical research facility with advanced instrumentation and technical support to foster collaborative, transdisciplinary science across the university and beyond," Rush said. "This is critical to promoting a robust research and training environment where researchers can answer the most challenging and urgent biomedical questions of our time."

Rush said the latest NIH grant will support CEZID and collaborating scientists to advance the discovery and molecular characterization of

infectious pathogens and diseases affecting animals and people. Projects within this new core research facility will bridge areas of excellence across K-State colleges that conduct STEM research. These projects examine cross-cutting themes, such as virulence factors and host-pathogen interactions of pathogens of significance for human health, employing in vitro systems and animal models."

The newly funded, core-facility suite will assemble state-of-the-art technologies in a single location to facilitate the delivery of coordinated services for academic, corporate and federal researchers in imaging and molecular analyses, providing a complete range of services from whole tissues to single-cell nucleic acid analyses. Currently, CEZID has collaborative partnerships with the University of Missouri, Columbia; MRI Global in Kansas City, Missouri; and regional pharmaceutical companies in the Kansas City Animal Health Corridor, such as Boehringer Ingelheim Animal Health in St. Joseph, Missouri, CEVA Animal Health in Lenexa and Elanco Animal Health in Overland Park.

Rush said the proposed plan is to complete renovation and then occupy the consolidated biomedical core facilities by the fourth quarter of 2023.

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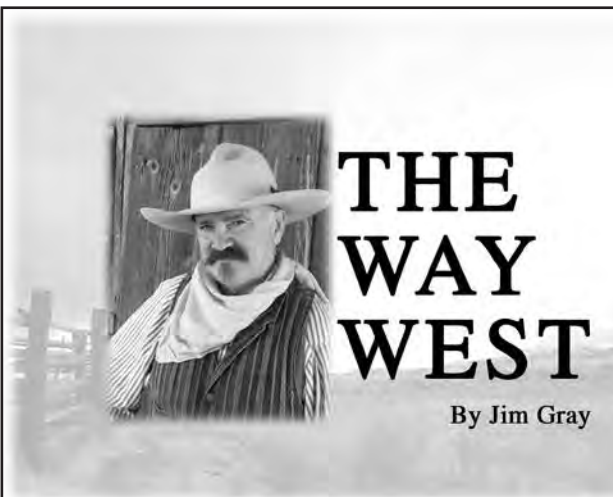


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## William Becknell's Gamble

William Becknell is famously remembered for blazing the Santa Fe Trail in 1821. Of course, there is always more to the story. He was actually fairly well-known before going to Santa Fe, and as in so many success stories Becknell had experienced both victory and failure in his endeavors.

Born in Virginia in 1788, Becknell was living on the frontier in 1813, at Franklin, Missouri. He joined Calloway's Rangers as a sergeant when Sac and Fox tribes (British allies) threatened the frontier. Captain James Calloway, grandson of Daniel Boone, led the company of thirty-nine men including Daniel Boone's son, Captain Nathan Boone.

Becknell returned to Missouri in 1815 having reached the rank of captain during the war. From his small farm he traded horses and operated a freighting business. Expanding operations, he purchased Boone's Lick, producing salt from salty spring water.

By 1820 Becknell had

## Beef ranks best in consumer perceptions

When consumers are dining at a restaurant or shopping at the grocery store meat case, what are they considering the most when making a meal decision? Taste.

That's what Beejan Mehra, director of market research with the National Cattlemen's Beef Association, told Wagyu breeders during the American Wagyu Association 2021 annual conference in Fort Collins, Colo. "When a consumer is trying to decide what protein to eat, they're really looking for something that's great tasting, safe to eat and a good value for the money."

Beef producers saw a significant increase in beef demand during 2020, as COVID lockdowns put an end to dining out. In fact, 83% of consumers were cooking meals at home in 2020, a 25% increase over 2019. "And that number has stayed stable," he said, with 74% of consumers cooking meals at home in 2021. "And of those consumers, 89% say they're going to continue doing so."

And, 15% of consumers say they will eat more beef in the future. "And it really revolves around taste. Consumers love the way beef tastes and that's the reason they're planning to eat more of it in the future."

debts by 1822. Given his standing in the community Becknell was surely embarrassed and reportedly outraged at having been jailed.

However, events beyond American borders were about to change Becknell's fortunes. The citizens of Mexico were fighting to overthrow Spanish rule. Spain had outlawed trade with Americans on the frontier. Early attempts at trade in Santa Fe had led to confiscation of merchandise and imprisonment. The Mexican War had begun eleven years before on September 27, 1810, sparked by a cry for independence from Spain by Catholic priest Miguel Hidalgo. Now that Independence seemed to be within reach American traders would be welcome in New Mexico.

In the uncertain atmosphere Becknell wisely chose not to publicize his intention to gamble on accepted trade in Santa Fe. He posted a notice in the June 25, 1821 *Missouri Intelligencer* announcing the organization of a company of men "destined to the westward for the purpose of trading for Horses & Mules, and catching Wild Animals of every description..." Organizational meetings were held on August 4th and the 18th.

Meantime, a letter in the August 14, 1821, *Edwardsville, Illinois Spectator* stated that "patriots" were in control of the whole of Mexico, except

Vera Cruz. Mexico was about to oust its Spanish oppressor. Vera Cruz "would also soon be compelled to follow the example."

Becknell's company of five men crossed the Missouri River at Arrow Rock, just west of Boone's Lick on September 1, 1821. The Treaty of Cordoba had been signed on August 24, 1821. Leading pack horses laden with trade goods, they couldn't have known that Mexico had already gained independence.

They reached the big bend of the Arkansas River (near present-day Ellinwood, Kansas) on September 24th. According to Becknell's account, "The Arkansas at this place is about three hundred yards wide, very shallow, interrupted by bars, and confined by banks of entire sand..." A day later they crossed the river traveling along the south bank.

The route stayed on the north bank in later years.

Becknell was not blindly crossing an unknown desolate prairie. Many frontiersmen had ventured all the way to the mountains to trap and trade with the native tribes. His description of travel on September 29th reveals prior knowledge. "At about one o'clock found ourselves on the celebrated salt plain of the Arkansas. It was about one mile wide; its length we did not ascertain. Its appearance was very different from the idea I had formed from the several descriptions which I had seen."

Nearly a month later, October 21st, they reached the Purgatoire River (near present-day Las Animas, Colorado) Turning south they were soon in the mountains. The dangerous passage through nearly insurmountable cliffs caused one horse to fall to

its death.

Regaining the open plain, they met Mexican troops after two weeks travel and arrived in Santa Fe on November 16, 1821. The traders were well-received. They quickly sold their goods and Becknell set his sights on Missouri, leaving Santa Fe on December 13th.

At Franklin, Missouri, on January 20, 1822, Becknell made a point of slicing open a rawhide bag with his knife, spilling silver coins before his creditors. William Becknell's gamble not only succeeded, his historic gamble opened the celebrated Santa Fe Trail on The Way West.

"The Cowboy," Jim Gray is author of the book *Desperate Seed: Ellsworth Kansas on the Violent Frontier*, Ellsworth, KS. Contact Kansas Cowboy, 220 21st RD Geneseo, KS Phone 785-531-2058 or kansascowboy@kansas.com.

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# Moser Ranch

## 30th Annual Bull Sale

SATURDAY, OCTOBER 30, 2021 • BID-OFF AT 11:00 AM  
AT THE RANCH, WHEATON, KS  
PRIVATE TREATY OFFERING • 60 SIMANGUS, ANGUS & SIMMENTAL BULLS  
*All bulls tested negative for PI-BVD and Leukosis*

**Lot 18 0578H**  
SimAngus  
Diplomat x Frontier  
Homo Black

CE 11	BW 4
Wen 75	Year 119
MCE 5.0	Milk 30
Marb .49	REA .65
API 143	TI 82

39 YEARS OF GENETICS WITH FOCUS  
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Harry 785.456.3101 • [moserranch@moserranch.com](mailto:moserranch@moserranch.com)  
Look for videos of bulls and sale updates on our website [WWW.MOSERRANCH.COM](http://WWW.MOSERRANCH.COM)





Inman, Kansas. A quaint town named for Col. Henry Inman of Forsyth Scout Fame (It was Inman who enlisted

the scouts whose ill-fated encounter with the Cheyennes at Beecher Island has become the stuff of legend).

## Researchers team up to look at benefits of ag technologies on quality of life

**By Pat Melgares**  
A Kansas State University agricultural economist is taking a step-back approach while carving out a new way of looking at the returns of precision agricultural technology. "As an economist, I (normally) look at things like profitability - dollars and cents - and whether the benefits outweigh the

I think he would be pleased with his name-sake. It's obvious that folks here take pride in their town, and its history. The museum in this town of around 1,400 would make a town ten times the size proud. The museum boasts a fine collection of horse-drawn vehicles including a spectacular Victorian-era hearse lined with rosewood and featuring elaborate carvings on the outside. The black velvet pleated ceiling, black

velvet curtains, and black velvet upholstered seat are all original. I don't think I've ever seen anything quite like it. There is a re-created village inside the building, highlighting the town's businesses and a homestead and railroad depot on the property. Everything is neat as a pin, orderly, carefully tended and displayed. I spoke to the historical society about the Santa Fe Trail 200th. Held at the community center in Lambert Park,

the event really hinged on a table full of homemade desserts. Brownies, cakes, and pies, oh my! After the evening's festivities, I cozied on the sofa in the Serendipity Guest Cottage on Main Street. Formerly the telephone office, the building has been transformed into a most comfortable home away from home. I had to get away early the next day for another speaking engagement, but I hope to be back soon. Like so many towns

in Kansas, the real treasure in Inman would be the people who call it home and made me feel so welcome. Deb Goodrich is the co-host (with Michelle Martin) of the Around Kansas TV show and the Garvey Texas Historian in Residence at the Fort Wallace Museum. She chairs the Santa Fe Trail 200 and will be happy to visit your community to speak on that or any number of other topics! Contact her at author.deb-goodrich@gmail.com.

costs," said Terry Griffin, a precision agriculture economist at K-State. "But sometimes economists may take a step further and look at the optimization of utility, or satisfaction, which means we need to bring in a few things other than dollars and cents." Griffin is working with LaVona Traywick, an asso-

ciate professor of physical therapy at the Arkansas Colleges of Health Education, to look at how the adoption of precision agriculture technologies adds to the quality of life of farmers or farm equipment operators. "When we talk about quality of life today, what people are talking about is perceived physical and mental health," Traywick said. "(Many) factors play into whether we increased quality of life by having a technology, or whether we possibly decreased quality of life."

"Those are high scores for both," Griffin said. "The human capital part reflects the investment that a person has to put in to make this work. And that's fairly low." On the other end, yield monitors, variable rate applicators and precision soil sampling scored low on quality of life, and high on human capital investment. "Some of the technologies out there take a lot more human capital to use them," Traywick said. "Based on our research, we project that things that are easier to use and take less human capital are going to be adopted more quickly and readily than those that require a lot of human capital."

including conversations with farmers and observing uses of technology over long periods of time. Their study is currently summarized in a report available online from the K-State Department of Agricultural Economics, titled *Ag Tech Adoption and Generational Characteristics: Benefit-Cost Analysis*

Revisited. "We're continuing to collect data," Griffin said. "Some of the most interesting data we are collecting is not necessarily measurements, but anecdotal stories. We're trying to build this into a larger story of the benefits and costs of precision ag technology."

**176+ ACRES CROPLAND & CREEKBOTTOM**  
**ABSOLUTE LAND AUCTION**  
**DECATUR COUNTY, KANSAS**  
**FRI., NOVEMBER 5, 2021 @ 10:30 AM, CDT**  
**AUCTION LOCATION: CITY HALL in JENNINGS, KS**  
**SELLER: CHUCK GRIFFITH**  
**LEGAL DESCRIPTION**  
SE/4 plus acres S of RR in NE/4, all in 10-4-26  
• 104.33 ac cropland  
• 55.67+ ac grass/creekbottom  
• All Seller's interest in mineral rights to Buyer  
• PRAIRIE DOG CREEK runs thru the property  
**INTERNET BIDDING AVAILABLE!**  
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Griffin and Traywick have factored in quality of life (benefits) and human capital (cost) scores for various precision agriculture technologies. A recent presentation is available online. On the high end of their score sheet are technologies that provide automated guidance, such as GPS systems that can drive equipment through a farm field. The two researchers say the quality of life score for automated technologies is a nine on a scale of ten, while the human capital score is two.

While age can factor in, "There is not a straight association between the person's age and whether they've adopted the new technologies or not," Traywick said. "There are other factors that go into it, such as whether they are a single proprietor of the farm, or whether they are working with someone from a different generation." Griffin and Traywick have studied the topic for more than 15 years,

## JLB Ranch wins state ranch rodeo title

Cowboys from JLB Ranch of Grenola finished first in three events to win the Kansas Championship Ranch Rodeo (KCRR), September 24 in Medicine Lodge. Members of the winning team are Chris Potter; Chad Mast; Jud Koziol; and Jason, Luke and Sage Dierks. The team won the stray gathering, team penning and wild cow milking. The second place team was Beachner Bros. Livestock/Mill Creek Cattle Co. of Erie and Fort Scott, which finished second in the bronc riding and third in team penning. Members of the team are Calvin, Caden and Cody Kendall; Gary Herrin; and Coy and Marshall Hyer. Haywire Cattle Co. of El Dorado won third after placing first in branding, second in team penning and wild cow milking and third in bronc riding. The team from Haywire consists of Andy and Callie Jones; Jake and Justin Peterson; Ryan Rhinehart and Cameron Floyd. Fourth place was the team of Kyle Bachman, Sean Prater, Colt Bailey, Lucas Littrell and Doug and Hank Hall with Bachman Ranch/H Cross Cattle Co. of Miami and Grainola, Okla. The team placed third in branding. With the top two teams already qualified for the World Championship Ranch Rodeo November 10-14 in Amarillo, Haywire Cattle Co. will represent KCRR at the finals.

# AUCTION

## For Flying Eagles Kennel

### Vince & Laurita Berland

**SATURDAY, OCTOBER 23, 2021 \* 12:30 PM**  
**LOCATION: 450 Old Hwy. 40 - ABILENE, KANSAS**

**VEHICLES**  
2006 Chevy 1/2 Ton Pickup, 2WD, V6, reg. cab, 8 ft. box; 2002 Chevy 1500 LS, 2WD, ext. cab; 2000 Toyota Sienna Van; 1997 Dodge Caravan; 2004 Chevy Van; 2003 Chevy 2500, 2WD, ext. cab, w/Inkan 6 hole fiberglass dog box & regular pickup box included, 78,733 miles; Yamaha 4x4 Side by Side 4-wheeler.

**TRAILERS**  
Inkan 8 hole tandem axle fiberglass dog trailer; 20 hole all steel schooling trailer; 24 hole steel schooling trailer available after Dec. 1, 2021; Diamond flatbed car trailer 10 hole Inkan tandem axle for salvage; 1998 Wabash 53 ft. air ride cargo trailer, air bags have been replaced, road worthy; M & W 4-wheel running gear w/steel gravity box & hid. auger.

**TRACTOR**  
2007 JD 4320 Hydro FWD, w/JD 400X loader & 6 ft. dirt bucket, 3 pt, 917 hrs. Pallet fork fits a 400X loader; 10 ft. 3 pt. mount chisel; 6 ft. 3pt. adj. back blade; New Holland model 55 side delivery rake; 3 Priefert comb. hay & grain feeders; (2) 20"x10" I-Beams; (6) 20"x8" I-Beams; Land Pride RTR 2072 rototiller. **GREYHOUND EQUIPMENT** (64) 20 ft. gate panel, 5 ft. tall, w/4 ft. walk thru gate;

(68) Used metal & fiberglass insulated dog houses w/awnings; 18 New metal & fiberglass insulated dog houses w/awnings; (16) 5' tall x 3' wide chain link walk-in gates w/mounting hardware; (18) 5x16ft., 4 in. x 4 in. mesh gal. wire panels; (14) 6 hole galvanized Kennel crates; Digital 2x4 platform scales, 300 lb. cap.; Beam style platform dock scale; Chest type deep freeze; 2 Large fiberglass feed mixing tubs w/carts; 12 hp Pallet Max 6800-8500 KW portable gen. w/electric start; Approx. (120) 8x8x16 cement blocks; Lg. assortment of muzzles, collars, feed pans, needed to run a successful greyhound pup kennel.

**SADDLES**  
Western stock saddles & tack; 15 in. roping saddle; Child's pony saddle; Bridles & pads.

**TERMS:** Cash or Check. Nothing removed until settled for. Announcements made day of auction take precedence over written matter. No guarantees. Not responsible in case of accidents or theft.

**AUCTIONEER: CRAIG HEINEN, 785-545-5618**

## 2-DAY AUCTION

**SATURDAY, OCTOBER 23 & SUNDAY, OCTOBER 24, 2021**  
**9:30 AM BOTH DAYS**  
Auction will be held in Kenwood Hall at the Saline Co. Fairgrounds, 900 Greeley, SALINA, KS

**SELLING SATURDAY:**  
OIL CANS, CAR PARTS, TOOLS

**SELLING SUNDAY:**  
RAILROAD ITEMS, TRAINS, COLLECTIBLES, GUNS, FURNITURE, INDIAN ARTIFACTS

Quart oil cans collection inc: (Riley Bros, Double Eagle, Blue Velvet, Hyvis, Kendal, Quaker State, Falcon, Swift, Royal Triton, Wolfs Head, Derby, Coop, Phillips, Skelly, Conoco, Tydol, Gulf, DX, Champlin, Pennzoil, Hudson, Husky, Dities Service, Cato, others); 5 gal. oil cans; car & tractor emblems; hood ornaments; car tags; tractor name plates; tractor & car books & manuals; car ads & calendars; spark plugs; spark plug tester; large assortment of wrenches; sockets; stack tool box; new Craftsman bench grinder; Poulan chain saw; ladders; snow blower; Craftsman lawn mower; antique wrenches; blow torches; saws; knives; storage units; yard tools; weed eater; car items & tools.

Guns: Winchester 12 ga. model 1200; Mossberg 22 LR model 351 CB; Ivar Johnson 410 Champion; Hunter Arms LC Smith number 00 double barrel coach 12 ga; J Stevens Arms & Tool double barrel coach 12ga.; Winchester 22 S/L model 1906 pump; ammo; shot; reloading equipment; Pacific shotgun loader; gun cabinet; gun cleaners; blue rock & thrower; fishing poles; **INDIAN ARTIFACTS**; collection of arrow heads; pipes; points; found around Calvary campsites; oak commode; teacher desk; Singer treadle sewing machine; oak dresser; child's high chair; **Electric trains HO, O27-cars & engines inc:** 4004, buildings & other; tin trains; railroad date

nails; 200 railroad calendars 1954-1995; telegraph key; time tables; switch lantern; telegraph key; UP ticket display; UP Steam Line train picture; railroad books; UP 1869-1969 paper; 30 boxes unopened model airplanes, ships, jeeps, military equip; Barbie dolls (Barbie, Skipper, Scooter, Midge, Ricky, Allan); Barbie toys & clothes; games; 45 & 78 records; 60s record player; baseball cards; Brett Favre card; large pen & pencil collection White House, baseball, World's Fair many other; elephant collection; tobacco, coffee & cigarette tin collection; lighter collection; glass; Pepsi tray; Metz banks; radios; razors; knives; marbles; mantel clock; electric guitar & amp; cherry pitter; insulators; pop bottles; post cards; Post & Look magazines; **large collection of other items.**

**NOTE:** This is a very large auction on both days. Check our website for pictures at [www.thummelauction.com](http://www.thummelauction.com). Duane collected for many years and has a large collection of everything. Both days will be very large, we may run 2 auctions on Sunday.

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

# AUCTION

**SUNDAY, OCTOBER 17, 2021 — 10:30 AM**  
Auction will be held at 500 Main Street in TIPTON, KANSAS

**ANTIQUES & COLLECTIBLES**  
Coin op. Double Feature bowler machine; coin op Astronaut machine; 20' pine cabinet from Lebanon, Ks. hotel; 2 door painted ice box; several parlor tables; 42" round oak table; Queen Ann oak table & chairs; rocker; ice cream chair; captain's chair; cast iron leg foot stool; fern pedestal; floor lamp; trunk; JD pedal tractor; trike; Tonka grader & fire truck; Coast To Coast semi; Good Year tire holder; Firestone girls bike; Huffy bike; lighting rod w/ball; wood egg case; granite pieces; pickle jar; Beam bottles; beer trays; pop cases; Blatz beer box; electric train pieces; set Royal Staffordshire china; guitar; kraut cutter; metal voting can; wash tub; wooden grain elevator; yard art; golf clubs; traps; buckets; wood barrel; red telephone; other collectibles; oak flooring; deep fat fryer; **assortment of other collectibles.**

**JOYCE & BILL BUNKER**  
FOLLOWING THE BUNKER AUCTION AT APPROXIMATELY 12:30 WE WILL MOVE TO 410 State Street in TIPTON, KANSAS

**HOUSEHOLD, COLLECTIBLES, MOWER & GOLF CART**  
Oak table w/claw feet, leaves & 6 chairs; oak 2 door china; oak S roll top desk; oak flat top desk; walnut buffet; oak 5 pc. bedroom set; 3 pc. 60s bedroom set; oak stand; antique flat glass secretary & oak oval parlor table; Flex-steel brown couch w/end recliners; leather lift chair; glider rocker; brown recliner; 2 iron leg tables w/2chairs; rocker; Singer sewing machine in cabinet; Ellure serger; flat screen TV; bookcase; 2 floor safes; chest freezer; single hospital bed; kitchen table & chairs; table lamps; red metal serving cart; card table & chairs; exercise bike; Chad Stephensen hand drawing of Mother Teresa; assortment pictures; clocks inc: German; religious items; dollies; Monopoly game; camera's; 50s record player; Crosley record player tape player; Zenith 50s radio; records; Boise radio; binoculars; Pyrex bowls; flatware; aluminum roaster; puzzles; baskets; floor fan; costume jewelry; linens; sewing items; watches; pencils; cookie jar; Fiesta bowls; other collectibles & glass; 2018 Reh-an desk top video magnifier; kitchen items; assortment books; luggage; John Deere X360 riding mower, 48" deck 328 hours; EZ Go electric golf cart w/back; and top z/side curtains needs new batteries; Troy Bilt Horse rear trimmer; Valey mower; DR tiller mower; Huskey yard trailer; 2 wheel dolly; yard swing; yard tools; **assortment of other items.**

**NOTE:** Colette purchased most of the furniture when she moved in the new home, everything is in very good condition. We will sell the Bunkers items at 10:30 a.m. then move to the Arnoldy home and sell real estate first followed by the personal property. Check our web site for pictures at [www.thummelauction.com](http://www.thummelauction.com).

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

## ANTIQUA AUCTION

**SATURDAY, OCTOBER 16, 2021 — 9:30 AM**  
Auction will be held in the Commercial Building at the Fairgrounds at M & 9th Streets in BELLEVILLE, KANSAS

**FURNITURE & COLLECTIBLES**  
Oak curved glass china cabinet w/claw feet; unusual oak 2 door china cabinet w/hooded top; 4' table top showcase; folding store table shelf; oak highboy w/mirror; oak dish cupboard; oak drop front desk; walnut dresser w/marble top; walnut wash stand w/marble top; oak stick & ball magazine rack; oak buffet; cast iron day bed; walnut chest w/fruit pulls; folding screen; 3 pc. white bedroom set; horn leg stool; treadle sewing machine; early pine child's chair; patternback rocker; oak seat; brass & marble table; wicker corner shelf; pine tables; beer cap tables; small trunk; pedestals; wall spice rack; mirrors; area rugs; lamps inc: (floor, piano, table); wicker outdoor furniture; assortment of pictures many Western+; beaded wall hangings; tapestry; wall wood box; wall clock shelf; stain glass window "Century"; German Syrup thermometer; Civil war pictures; Confederate money; pipe carved from root before battle Lookout Mountain Tenn., other items; bronze bull rider statue; Indian collection (pouch; arrowheads; several boards of relics; pots; hammer; blankets; chalk Indian); Republic Co. advertising pieces; US rosette; ducks; globe; stain glass windows; Large assortment Jewelry inc: (rings, tie clips, pins, necklaces, bracelets, earrings, turquoise rings & cameo; watch chains; cuff links); 1949 Kansas chauffeur badge; tokens; 2-22 rifles; 410 shotgun; wall telephone; wall clothes dryer; photo album; Coors clock; lunch buckets; Flow Blue dishes; game plate; Art glass; bird china; set china; glass shoes; syrup pitchers; assortment other glass; silver items; Crocks inc: (Whiteway's Dev-on Cyder; 20 gal damaged; 3-gal Red Wing; other crocks; crock umbrella holder; 2 gal birch leaf; 2 gal Crown water cooler); 3 quilts; dresser trays; purses; scarfs; ladies hats; hat boxes; dresses; vintage clothes; ties; hair combs; quilts; pillow cases; baby quilt; napkins; dollies; hankies; hat stands; purses; adjustable patterns; toys (dolls; doll dishes; doll chair; jeep tank; 190 Allis tractor; animals; tin car; doll house); Books inc: (Civil War, 1907 Among The Rockies; Star Wars, Royal Purple, children); 1932 Belleville map; post cards many local; cookie cutters; copper boiler; ducks; egg baskets; paper roller; 1900 Sears Roebuck catalogue; Baskets; cameras; assortment of Christmas decorations; traps; horse bits; branding iron; coffee pots; sad irons; sports items; coaster wagon; DeLaval cows; house scale; tins; wooden boxes; copper pots; wood egg case; cast iron skillet; hay fork; harness pieces; yard art; well pump; yard items; bird bath; Poulan chain saw; grass weed eater; grass blower; trellis; Kenmore chest deep freezer; flat screen TV; surger; Honeywell humidifier; MTD chipper shredder; portable air compressor; electric hand tools; 20' extension ladder; assortment of other collectibles and tools.

**NOTE:** This is a large auction Lela & Mike have collected for many years. For pictures check our website at [www.thummelauction.com](http://www.thummelauction.com). Lunch by Jonna Novak Haddam.

**LELA & MICHAEL KNEDLIK**  
Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067



# 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, online and in-person. [www.kansasauctions.net/gg/](http://www.kansasauctions.net/gg/)

Always great online Equipment auctions — [www.purplewave.com](http://www.purplewave.com)

Online Auction (bidding opens Oct. 1 & begins closing Oct. 12, 2 PM) — 380+ lots of guns, tools, Coca-Cola collectibles, beer stein collection, furniture, Buffalo, Longhorn & Turkey mounts, 10+ crocks, arrowhead collections & more held online at [www.GriffinRealEstateAuction.com](http://www.GriffinRealEstateAuction.com) for property of John & Marie Harding and property of Candy Linn. Auctioneers: Griffin Real Estate & Auction.

Online Only Auction (bidding closes Oct. 13) — Items for Hill Estate #3 (Bushton, KS) at hollinger-auction.hibid.com/auctions/current. Auctioneers: Hollinger Online Auctions.

Online Only Auction (bidding closes Oct. 20) — Patio set, Army Camo & supplies, chrome Hobby work bench, household furniture & kitchen items, appliances, primitives & more for Melinda Dixon (Lyons, KS) at hollinger-auction.hibid.com/auctions/current. Auctioneers: Hollinger Online Auctions.

October 11 — Machinery auction consisting of Tractors, combines, headers, grain cart, trucks & trailers, tillage & more held near Haviland. Auctioneers: Hamm Auction and Real Estate, LLC.

October 11 — (Monday evening): Selling 228 acres m/l in 3 tracts consisting of great hunting and Ag ground plus 15 acres m/l building site held at Harveyville for Avis I. Riggins Estate, Mark L. Riggins, exec. Auctioneers: Miller & Midyett Real Estate, Wischropp Auctions.

October 12 — 70.73 acres m/l just south of Perry with 54 acres of tillable river bottom ground, balance in grass and trees held at Perry. Auctioneers: Countrywide Realty, Inc., Marc Bunting & Darrell Simmitt.

October 15 & 16 — Large 2-Day Farm Primitive & JD Tractor auction held at Hutchinson for Lex & Judy McClean. Auctioneers: Morris Yoder Auctions.

October 16 — Consignment machinery auction held at Garnett, Anderson County Sales Co., LLC. Auctioneers: Ratliff Auctions.

October 16 — Tractors including 1951 IH Farmall M, 1950 AC WD, farm machinery, shop & household, Tonka toys, metal toys, Avon, Ruby Red glass, appliances & held at Walton for Robert & Evalena Androes. Auctioneers: Van Schmidt.

October 16 — 2006 Town & Country van, antique furniture, household, holiday decor, glassware, costume jewelry, collectibles, crocks, mobility scooter, yard tools & much more held at Ellsworth for Harms Estate. Auctioneers: Wilson Realty & Auction Service.

October 16 — Antiques furniture, collectibles including Civil War pictures, bronze bull rider

statue, Indian collectibles, Republic Co. advertising pieces, glassware, quilts, toys, books, Christmas decor & more held at Belleville for Lela & Michael Knedlik. Auctioneers: Thummel Real Estate & Auction, LLC.

October 16 — Fink Beef Genetics Fall Angus and Charolais Bull Sale held at Randolph. Call Galen Fink, 785-532-9936 for information.

October 17 — Antiques & collectibles including Coin-Op. Double Feature bowler machine & coin-op. Astronaut machine, furniture, oak flooring & more held at Tipton for Joyce & Bill Bunker. Also selling household, collectibles including furniture, clocks, pictures, games, glassware & more, mower & golf cart at Tipton for Colette Arnoldy Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

October 19 — Commercial property with tons of potential (previously a restaurant) with concrete patio and parking lot outside held at Ogden for Butler Pizza Company. Auctioneers: Crossroads Real Estate & Auction, LLC.

October 21 — The Chosen Female Hereford sale held at Sanders Ranch, Louisburg (5 PM) for Jensen Brothers.

October 22 — 230 acres m/l of Lyon County land consisting of 1 mile of Neosho River, high quality tillable, rolling hills, pond, large mature trees, utilities available held at Emporia. Auctioneers: Sundgren Realty & Land Brokers, Phillip Solorio & Jeremy Sundgren.

October 22 & 23 — 4-State Draft Horse and Mule sale: Oct. 22 selling carriages, boxwagons, buggies of all kinds, horse drawn farm machinery, show carts, pony wagons, saddles, new & used tack & more; Oct. 23 selling mule & Halflinger teams, crossbreeds, Quarter Horses, driving ponies, yearling & weaning colts & more held at Miami, Oklahoma. Auctioneers: Morris Yoder Auction.

October 23 — Small Ford 1100 4WD tractor w/hyd. ldr. & small 3 pt. equipment, 16' & 20' enclosed box trailers, concrete yard art Indian statue, collectibles, hunting & camping, household furniture, kitchen items, miscellaneous, mobility chair held at Burlington for Bud Crouch. Auctioneers: Kurtz Auction & Realty Service.

October 23 — (1st of a 2-day auction; 2nd day Oct. 30): Antiques, furniture, primitives, glassware & more held at Manhattan. Auctioneers: Foundation Realty, Morgan Riat.

October 23 — 2003 JD 2210 HST compact utility tractor; JD 210 loader, snow blower, 1998 Chevrolet 3500 pickup, shop & household items, Miller Lite pool table light & more held near Moundridge for Julie (Gary) Baehler. Auctioneers: Van Schmidt Auctions.

October 23 — 296 acres m/l of Chase County Flint Hills land sold in 4 tracts. T1: 78 ac. m/l feed yard/background yard, balance native grass, tame grass, dryland & improvements; T2: 180 ac. m/l pasture; T3: 37 ac. m/l potential building site; T4: 2.00 ac. m/l. Also selling equipment after real estate. All held at Cottonwood Falls. Auctioneers: Griffin Real Estate & Auction.

October 23 — Vehicles including 2006 Chevy 1/2

ton pickup, 2004 Chevy van, 2003 Chevy 2500 ext. cab, Yamaha 4x4 4-wheeler & more, trailers, 2007 JD 4320 hydro FWD tractor, greyhound equipment, saddles & more held at Abilene for Flying Eagles Kennel, Vince & Laurita Berland. Auctioneer: Craig Heinen.

October 23 — Real estate consisting of a 2 bedroom, 1 bath home with partial basement & 2-car garage. Also selling boat, freezer, dishwasher, garden equipment, tools & tool boxes & much more held at Salina. Auctioneers: Wilson Realty & Auction Service.

October 23 — Production sale held at Parsons Livestock Market, Parsons for Coal Valley Angus.

October 23 & 24 — selling 10-23: Oil cans, car parts, tools; selling 10-24: Railroad items, trains, collectibles, guns, furniture, Indian artifacts & more held at Salina for Duane Snyder Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

October 24 — Sports collectibles & memorabilia including vintage KU & much more, many radio version records & sets, 100s of records, 100s of books, collectibles, prints, art & more held at Lawrence for Hank & Sue Booth. Auctioneers: Elston Auctions.

October 26 — 320 acres m/l of Marion County land consisting of cattle feeding facility, pipe pens, concrete bunks, buildings, grain bins, tillable farm ground, native Flint Hills pasture, 3 water wells, 3 ponds & more held at Lincolnville. Auctioneers: Sundgren Realty & Land Brokers, Rick Remsberg & Jeremy Sundgren.

October 26 — Land auction consisting of 704 acres m/l of Osborne County land. T1: 347 ac. m/l with 297.9 ac. m/l cropland, 48.1 ac. m/l native grass; T2: 357 ac. m/l native grass pasture; T3: Combination of T1 & T2 held at Osborne for Heirs of Claude & Wendell Woodard. Auctioneers: Midwest Land and Home, Jeff Dankebring, listing broker, Mark Uhlik, broker/auctioneer.

October 27 — Land auction consisting of 1,934.6 acres m/l of Washington County, KS land sold in 5 tracts. Live auction held at Fairbury, Nebraska with Online auction at RanchandFarmAuctions.com. Auctioneers: Ranch & Farm Auctions, LLC., Steve Shaffer, agent.

October 28 — 157.84 acres m/l of tillable Farmland in Ottawa County held at Minneapolis for Trace & Eric Krieger Shares of the Roy M. Krieger Jr. Trust. Auctioneers: United Country Real Estate, Cross-

roads Auction & Realty.

October 28 — Older farm machinery, antiques & miscellaneous held Northeast of Abilene for Bill Schwab & Connie Stillwagon. Auctioneers: Kretz Auction Service.

October 28 — 155 acres m/l of cropland, recreational opportunities, 2-story home with 6 bedrooms & more (located in Ramona) held at Lincolnville. Auctioneers: Griffin Real Estate & Auction.

October 30 — Real Estate consisting of an almost 2200 sq. ft. home with 2 conforming & 2 non-conforming bedrooms, has 2 1-car garages and sits on a 1/3-acre lot. Also selling personal property at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

October 30 — Real estate consisting of a 4 bedroom home located in central Manhattan; also selling antiques, furniture, primitives & collectibles held at Manhattan. Auctioneers: Foundation Realty, Morgan Riat.

October 30 — Guns, knives, military items, silver, radios & Fiesta held at Salina for Charlie "Chuck" Smith Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

October 30 — 1989 Toyota truck, JD lawn tractor, Husqvarna 0-turn mower, Allis Chalmers WD tractor, equipment, tools, firearms, ammo, collectibles, furniture & miscellaneous held at rural Lawrence for Ron & Wendy Dalquest. Auctioneers: Elston Auctions.

October 30 — Private Treaty Sale consisting of 20 Angus, SimAngus, Red Angus & Hereford Bull Sale held at Frankfort for Cline Cattle Co.

October 30 — Moser Ranch 30th Annual Bull Sale selling 60 SimAngus, Angus & Simmental Bulls. Bid off begins at 11 AM at the ranch, Wheaton.

October 31 — Antiques including furniture, advertising items, toys, 1800s tricycle, 60s Tonka toys, glassware & pottery, crocks, jewelry, lamps, pictures, books, coins & more held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

November 5 — 176 acres m/l Decatur County Absolute Land Auction consisting of 104.33 ac. cropland & 55.67 ac. m/l of grass & creek bottom held at Jennings for Chuck Griffith. Auctioneers: Farm & Ranch Realty, Inc., Donald L. Hazlett, broker/auctioneer.

November 6 — 1969 Chevy El Camino 90% restored, 1995 Monte Carlo Z34, 1989 1-ton Chevy Dually, 1996 GMC 1/2-ton pickup, 2000 Work Horse step van, 3/4-ton Military 2-wheel trailer, Connex storage container, shop tools, car parts, 34 pallets of cement blocks, restaurant equipment & much more held at Salina for Bruce Koster. Auctioneers: Baxa Auctions, LLC.

November 6 — Tractors including 1983 Case 2090, 1979 JD 4040, IHC B414;

trucks & cars, farm machinery & household items, recovered barn wood, lumber, Fiesta, glassware & more held near Moundridge for Bruce & Sarah Regier. Auctioneers: Van Schmidt Auction.

November 6 — Washington County land auction sold in 3 tracts consisting of T1: 160 ac. m/l with 134 acres upland cropland with balance being waterways and hay meadow; T2: 160 ac. m/l with 74 ac. upland cropland with balance native grass pasture with large pond; T3: 6-acre tract is a mix of trees and warm & cool season grasses held at Washington for The Columbus Jones Trust. Auctioneers: Bott Realty & Auction.

November 6 — Irvine Ranch Annual Simmental & SimAngus Sale held at Manhattan selling bulls, bred heifers & cows. For information or catalog contact John Irvine, 785-313-7473.

November 8 — Real Estate auction consisting of a 3 bedroom, 2 bath home on a private, treed lot held at St. George. Auctioneers: Crossroads Real Estate & Auction, LLC.

November 11 — Northern Dickinson County Farmland held at Abilene for Bill Schwab & Connie Stillwagon. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

November 12 (Live Event with Online bidding starting November 8) — Simultaneous Live & Online Land Auction consisting of 635.42 acres m/l of Washington County land offered in three tracts. 320.05 ac. m/l tillable, 44.79 ac. m/l hay, 234.71 ac. m/l pasture & wildlife habitat & more (located northwest of Morrowville) held live at Morrowville and online at [www.FNCBid.com](http://www.FNCBid.com). Auctioneers: Farmers National Company, Fred Olsen, AFM/agent & Matt Dowell, AFM/agent; Van Schmidt, auctioneer.

November 13 — 76.9 acres m/l located in Marshall County consisting of 73.38 ac. dryland & 4.97 ac. m/l tame grass held at Summerfield for Roselyn Runge & Charlene Versch. Auctioneers: Prell Realty & Auction, LLC.

November 13 — Real Estate & personal property consisting of a ranch-style home on 15 acres, full basement, 4 bedrooms, 3 baths built in 2005, metal shed, shop, wood storage shed, lots of trees with nice pond. Also selling many guns & ammo, 1958 IH tractor, 2020 Yamaha ATV 450, JD riding mower, antiques & collectibles held at Walton for John R. & Ruth Peters. Auctioneers: Gary Hill, listing agent, Berkshire Hathaway Home Services; Wade Brubacher, auctioneer.

November 17 (Live

Event with Online bidding starting November 12) — Simultaneous Live & Online Land Auction consisting of 146.06 acres m/l of Franklin County land consisting of 133.29 tillable acres & timber for recreational use (located southeast of Overbrook) held live at Overbrook and online at [www.FNCBid.com](http://www.FNCBid.com). Auctioneers: Farmers National Company, Fred Olsen, AFM/agent & Jason Langston, agent; Van Schmidt, auctioneer.

November 18 — 249 acres m/l of irrigated land in Republic County. Auctioneers: Midwest Land and Home.

November 18 — 144 acres m/l of Pottawatomie County Native Grass land held at Onaga for Jolea Matzke. Auctioneers: Murray Auction & Realty.

November 18 — 363.34 acres of Clay County Farmland & Pasture held north of Green for Lois Lippert Revocable Living Trust. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

November 19 (Live Event with Online bidding starting November 15) — Simultaneous Live & Online Land Auction consisting of 640 acres m/l Butler County land: Flint Hills grass, excellent fences, large pond, windmill and steel corrals (located west of Cassoday) held live at Cottonwood Falls and online at [www.FNCBid.com](http://www.FNCBid.com). Auctioneers: Farmers National Company, Fred Olsen, AFM/agent; Van Schmidt, auctioneer.

November 20 — 220 acres m/l of Republic County Land consisting of T1: 76.1 ac. m/l with 64.17 ac. m/l DCP cropland acres; T2: 144.4 ac. m/l with 109 ac. m/l CDP cropland acres held at Belleville for Alfred & Phyllis Havel Trust. Online & phone bidding available: [www.MidwestLandandHome.com](http://www.MidwestLandandHome.com). Auctioneers: Midwest Land and Home, Mark Uhlik, listing broker; Jeff Dankenbring, broker.

November 20 — Farm auction held at rural Eudora. Auctioneers: Elston Auctions.

November 26 & 27 — Large 2-day Collectible Toy Auction including toy farm machinery & tractors, construction toys, cars & pickups held at Blaine for Victor & Pat Olson Collection. Auctioneers: Cline Realty & Auction, LLC.

November 27 — Farm Reorganization auction held at rural Berryton for Rocking H Ranch, Mark & Brenna Wulfkuhle. Auctioneers: Elston Auctions.

December 4 — St. James Catholic Church Consignment Auction consisting of farm & construction equipment, vehicles, hay, farm supplies, hedge posts, livestock equipment & more held at Wetmore. To consign, contact Bill Burdick, Ron Burdick.

**\*\*LAND AUCTION\*\***

**FRIDAY, OCTOBER 22, 2021 - 2:00 PM**  
**230+- ACRES LYON COUNTY, KS**  
 AUCTION LOCATION: Camp Alexander, 1783 Road P5, EMPORIA, KANSAS 66801  
 LAND LOCATION: From Emporia, East on Road 175 (Old Hwy. 50) 1 1/2 miles to RD N5, North 1/2 mile to the West side of the property.  
**1 MILE OF NEOSHO RIVER \* HIGH QUALITY TILLABLE**  
**\* SECLUDED FEED FIELDS \* ROLLING HILLS \* POND**  
**\* LARGE MATURE TREES \* UTILITIES AVAILABLE**

**SUNDGREN REALTY**

PHILLIP SOLORIO  
316.323.0218  
  
JEREMY SUNDGREN  
316.377.0013  
Land Brokers

Visit our Website for more details: [www.sundgren.com](http://www.sundgren.com)

**SIMULTANEOUS PUBLIC AND ONLINE LAND AUCTION**

**146.06± Acres • Franklin County, Kansas**

L-2100628

**Farmers National Company**

**Live Event:**  
**Wednesday, November 17, 2021 at 11:00 AM**

**Overbrook City Library**  
**317 Maple Street, Overbrook, Kansas**

**ONLINE SIMULCAST BIDDING:**  
 Starts Friday, November 12, 2021 at 12:00 PM  
 Bidding closes Wednesday, November 17, 2021 at close of live event.  
 To Register and Bid on This Auction, go to: [www.FNCBid.com](http://www.FNCBid.com)

-- 133.29 tillable acres, all terraced --  
 -- Class III soils with full base acres --  
 -- Timber for recreational use --  
 -- NE 1/4 Sec 20, Twp 15S, Rge 18E, located southeast of Overbrook, Kansas --

**For more information on property details, please contact:**  
**Fred Olsen, AFM/Agent • Manhattan, Kansas**  
**Phone: (620) 285-9131 or (785) 320-2033**  
 FOlsen@FarmersNational.com • [www.FarmersNational.com](http://www.FarmersNational.com)/FredOlsen

**Jason Langston, Agent • Parsons, Kansas**  
**Phone: (620) 778-1088 or (620) 301-0230**  
 JLangston@FarmersNational.com  
[www.FarmersNational.com](http://www.FarmersNational.com)/JasonLangston  
 Auctioneer: Van Schmidt

**www.FarmersNational.com**

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 Forest Resource Management • National Hunting Leases • FNC Ag Stock

**SIMULTANEOUS PUBLIC AND ONLINE LAND AUCTION**

**640± Acres • Butler County, Kansas**

L-2100684

**Farmers National Company**

**Live Event: Friday, November 19, 2021 at 11:00 AM**

**Community Room | 1715 210 Road**  
**Cottonwood Falls, Kansas (Swope Park)**

**ONLINE SIMULCAST BIDDING:**  
 Starts Monday, November 15, 2021 at 12:00 PM  
 Bidding closes Friday, November 19, 2021 at close of live event  
 To Register and Bid on This Auction, go to: [www.FNCBid.com](http://www.FNCBid.com)

-- Full section of native Flint Hills grass west of Cassoday on black top access --  
 -- Graze, hay, or both --  
 -- Excellent fences, large pond, windmill, and steel corrals --

**For more information on property details, please contact:**  
**Fred Olsen, AFM/Agent • Manhattan, Kansas**  
**Phone: (620) 285-9131 or (785) 320-2033**  
 FOlsen@FarmersNational.com • [www.FarmersNational.com](http://www.FarmersNational.com)/FredOlsen  
 Auctioneer: Van Schmidt

**www.FarmersNational.com**

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 Forest Resource Management • National Hunting Leases • FNC Ag Stock

**AUCTION**

**SATURDAY, OCTOBER 16, 2021 — 9:00 AM**

Offering for sale at Public Auction, located at 321 N. 3rd, WALTON, KANSAS

**TRACTORS, FARM MACHINERY, SHOP & HOUSEHOLD ITEMS**

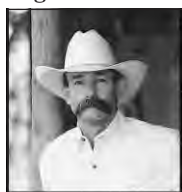
1951 IH Farmall M tractor; 1950 AC WD tractor; AC 2 btm. plow; JD steel wheel drill; JD 3 btm. pull plow; Moline 3 btm. plow; Wilbeck 12' disc; IHC 10' disc; Case 10' disc; 8' disc; sickle mower; 2 - 2 wheel pickup bed trailers; 3 pt. blade; combine bin on 2-wheel gear; Craftsman 42" riding mower; Signature 42" mower; Snapper riding mower; MTD rear tine tiller; Lincoln 225 welder; Craftsman 3 hp 10" table saw; chipper/shredder; Delta 123" drill press; 8" table saw; Remington chainsaw; 3-Poulan chainsaws; elec. drills; hand tools; tires & wheels; miter saw; Toro cordless line trimmer; Echo pole saw & line trimmer; round Maytag washers; shovels; forks; bar clamps; adj. wrenches; ladders; folding tables; shop tables; bench grinder; hardware; metal seat; push mower; bikes; air compressor; lumber; wheelbarrow; old sled; sprinkle cans; wash tubs; walk behind cult.; steel wheels; metal lawn chairs; cream can; Maytag sq. tub washer; dbl. wash tub & stand; enamel top table; cast iron skillets; wooden benches; wardrobe; day bed; fans; floor lamp; enamelware; 2-church pews; wooden chairs; medicine chests; chrome leg table & chairs; jars; bushel baskets; coaster wagon; picnic basket; Tonka toys; metal toys; porch swing; Emerson Sea Breeze fan on stand; jewelry; salt & peppers; pictures; luggage; vases; cookie cutters; glassware; Ruby red glass; Avon; Sanyo TV; book shelf; full size bed; corner shelf; Singer sewing machine; dolls; knick-knacks; decorations; quilt frame; stereo; cameras; baking dishes; Kenmore dryer; Whirlpool washer; Tupperware; food dryer; GE microwave; metal cabinet; exercise equip.; & more.

**ROBERT & EVALENA ANDROES, SELLERS**

**VAN SCHMIDT • Auctioneer/Real Estate**  
 7833 N. Spencer Road, Newton, KS 67114  
**620-367-3800 or 620-345-6879**  
[www.hillsborofreepress.com](http://www.hillsborofreepress.com)  
 Schmidt Clerks & Cashiers

TERMS: Cash day of sale. Statements made day of sale take precedence over advertised statements.





# BAXTER BLACK

ON THE EDGE OF COMMON SENSE

## Deer Hunting Cow Lick

I've got a mule deer hangin' on my wall from northern New Mexico so I could relate to Rafael's story.

He had joined two of his cousins for a deer hunting trip near Cuba, New Mexico where his uncle had a cabin. They arrived late and missed the first day because cousin Dee Dee was going through changes in her life. To be fair, Dee Dee was a good hunter so her ditz behavior was unexpected.

Rafael had agreed to guide, cook and pack. He was up at 5 a.m. getting the cook stove ready, the firewood gathered and making a racket. By 5:30 he could hear Dee Dee getting ready. A waft of something floral floated from her room. A sugary sweet lilac scent filled the cabin and made his coffee taste funny!

"What the heck are you doing?" he asked.

"Putting on lotion," she answered. "Women of a certain age need to protect

their skin."

He knew she was recently divorced and maybe she was trying to be more desirable. That could explain her mood swings. He tried to be understanding.

They left the cabin at 6:30 a.m. Rafael knew the better hunting areas, so he led. In his backpack he stuck a bottle of water, a skinning knife, twine and trail mix for himself. The rest of his backpack carried her essentials; Sugarless Gatorade, cookies, sardines, crackers, smoked oysters, aspirin, Alka-Seltzer, toothpaste, toothbrush, energy bars, peanut butter, hair brush, half a cantaloupe, matches, Steno, clean T-shirt and socks, binoculars, extra ammo, GPS, two-way radio and TP. All this in spite of the fact that he had casually reminded her that they planned to be back to the cabin by Beer:30.

By 10 a.m. they had picked a blind along a well-traveled trail. In a short time they heard a

small herd of cows coming their way. They had been handled and were not spooked by the humans. Bringin' up drag was a big red-brown Beefmaster bull. He sniffed the air and cautiously walked toward our hunters. Dee Dee got itchy.

"Just don't move," whispered Rafael, "Don't be aggressive and he won't hurt you."

They stood like Easter Island statues as Big Red walked up to Rafael and took a mighty whiff! Then he stepped to Dee Dee. "Hold still," she heard Rafael say. She froze in fear, her eyeballs about to pop out. Big Red stretched out his huge neck, ran out his big ol' slobbery tongue and licked Dee Dee across the mouth!

Epilogue: The bull ran over Rafael trying to escape Dee Dee's screaming! Rafael went down, smashing the cantaloupe in his backpack trying to escape! And Dee Dee hung her pant leg upside down on a barb wire fence trying to get away! Finally they managed to evade a swarm of bees by dousing Dee Dee with toothpaste and the sugarless Gatorade mix. It came off like stucco.

www.baxterblack.com

## Pioneer Bluffs to host Peace on the Prairie art exhibit and concert

It is said: Music is the sound of art. Both music and visual art are merged in "Peace on the Prairie," a collaboration by singer-songwriter Annie Wilson, and artist, Susan Rose.

At 2:00 p.m. Saturday, October 16, Pioneer Bluffs presents "Peace on the Prairie," featuring an art exhibit by Susan Rose, a conversation with Rose and Wilson, a concert by Wilson - also known as the Flint Hills Balladeer - and her Tallgrass Express String Band, a music-and-art video by Dave Kendall, and an informal reception.

This event is also Tallgrass Express's CD Release Concert, with all ten songs from their new album Peace on the Prairie, volume four in their Songs of the Flint Hills series.

The art exhibit and video will be in the 1915 barn at Pioneer Bluffs, a historic Flint Hills ranch near Matfield Green. Weather permitting, all other activities will be outdoors. The program concludes at 5:00 p.m.

"As Susan completed each of her 12 paintings illustrating my song lyrics, I was in awe at how she created these beauti-



ful scenes I was trying to convey in the words of my song," said Wilson. "It is one of the greatest honors of my life that Susan chose to do this project."

In describing her work, Rose says, "My paintings are inspired by the beauty of the prairie, the sky and the creatures that call it home. I am particularly drawn to capture the play of light and shadow on the local landscape, and focus on the small, but beautiful, elements in nature that are easily overlooked or taken for granted."

Beverages and snacks will be served during the reception. To ensure sufficient snacks are available, and plenty of chairs are out, reservations are re-

quested but not required. RSVP on the Facebook event page or to Executive Director, Lynn Smith, at lynn@pioneerbluffs.org or 620-753-3484.

Donations are appreciated and will support future program events.

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or ONLINE at:

grassandgrain.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 1910

STEERS					
400-500	\$175.00 - \$185.00	29 mix	Salina	720@150.50	
500-600	\$160.00 - \$168.00	12 blk	Salina	606@150.00	
600-700	\$156.00 - \$161.00	62 mix	Stilwell, OK	823@149.35	
700-800	\$150.00 - \$161.00	3 blk	Oberlin	507@149.00	
800-900	\$154.00 - \$160.10	5 mix	Newton	591@149.00	
900-1,000	\$145.00 - \$153.25	4 blk	Cedar Point	725@147.50	
		62 mix	Whitewater	760@147.25	
		9 mix	Lincoln	678@147.00	
		4 blk	Newton	710@146.50	
HEIFERS					
400-500	\$150.00 - \$159.00	45 mix	Whitewater	685@144.50	
500-600	\$140.00 - \$149.00	11 mix	Salina	811@144.00	
600-700	\$141.00 - \$152.00	51 mix	Minneapolis	796@144.00	
700-800	\$142.00 - \$150.50	10 blk	Lindsborg	792@143.50	
800-900	\$140.00 - \$149.35	6 mix	Lincoln	707@143.00	

THURSDAY, OCTOBER 7, 2021

MONDAY, OCTOBER 4, 2021

STEERS		CALVES	
1 blk	Salina 430@185.00	1 blk	Ellinwood 190@385.00
3 blk	Galva 530@168.00	2 blk	Salina 163@360.00
3 char	Randolph 507@167.00	1 blk	Ellinwood 180@310.00
4 blk	Halstead 531@167.00	1 char	Delphos 145@310.00
11 blk	Brookville 574@166.00	1 blk	Ellsworth 95@250.00
9 char	Randolph 576@165.00		
7 mix	Lindsborg 590@161.00	COWS	
7 red	Kanopolis 603@161.00	1 red	Ellinwood 1625@84.00
9 red	Kanopolis 704@161.00	1 blk	Hillsboro 1745@84.00
120 blk	Hope 809@160.10	1 char	Minneapolis 1650@81.00
13 blk	Cedar Point 754@159.00	7 blk	Newton 1547@80.00
65 blk	LaCrosse 799@158.85	1 blk	Abilene 1630@79.00
171 blk	LaCrosse 877@157.25	1 blk	Bennington 1590@78.00
9 mix	Lindsborg 674@674.00	3 blk	Hillsboro 1502@76.50
8 red	Geneseo 716@157.00	1 rfw	Longford 1470@75.50
58 blk	Hope 886@156.75	BULLS	
61 mix	Valley Center 866@155.25	1 blk	Ellsworth 2085@105.00
6 blk	Buhler 718@155.00	1 blk	Claffin 1955@102.50
60 mix	Hope 922@153.25	1 red	Galva 2125@102.00
54 mix	Hope 936@152.75	1 blk	Wilsey 1895@102.00
23 blk	Chapman 901@152.50	1 blk	Durham 1975@99.50
		1 red	Beverly 2030@98.00
		1 red	Beloit 2185@98.00
		1 blk	Hillsboro 1630@96.00
		1 blk	Courtland 1700@95.50
		1 blk	Durham 1800@94.50

### UPCOMING SPECIAL SALES:

All Sales are on Tuesday at 11 AM

**SPECIAL COW SALES:** Tuesday, Oct. 19 • Tuesday, Nov. 16 • Tuesday, Dec. 21

**SPECIAL CALF SALES:** Tuesday, Oct. 26 • Tuesday, Nov. 2 • Tuesday, Nov. 9

**WEANED/VACC SALES:** Tuesday, December 7

### IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- 42' ROUND BALE DUMP TRAILERS

## Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY  
Hogs sell at 10:30 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

CATTLE USA.com LIVE CATTLE AUCTIONS

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

## EARLY CONSIGNMENTS FOR THURSDAY, OCTOBER 14, 2021

- 150 blk s&h 550-650 2 rnd vacc
- 16 str 800 off grass
- 29 mostly blk s&h 450-600
- 36 s&h 800-900 long weaned 2 rnd vacc home raised
- 68 blk s&h 700-1000 home raised weaned 6 wks off grass
- 96 blk s&h 650-750 home raised off grass

PLUS MORE BY SALE TIME.

## EARLY CONSIGNMENTS FOR TUESDAY, OCTOBER 19, 2021 COW SALE

1 yearlings char bull semen checked, 40 cows 2-8 yrs bred red gelbvieh (dispersal), 40 blk pairs 5-6 yrs weaned, 12 blk/red pairs 3-5 yrs, 15 blk cows 3-5 yrs bred blk, 25 blk/bwf cows 6-8 yrs bred Hereford some cows home raised, 14 blk running age fall bred cows bred to McCurry Angus bulls, 6 blk running age pairs, 65 mostly blk cows 4-6 yrs mostly spring bred few pairs, 10 pairs all home raised, 35 blk pairs 3-5 yrs bred back to Modem or Kaiser Angus 300# calves, 15 older pairs big calves, 40 blk cows 3-5 yrs bred simm & Hereford bulls Feb 1st calvers, 35 red angus heifers bred red angus start Feb 7 for 60 days, 9 angus pairs 3-4 yrs August 1st calves  
PLUS MORE BY SALE TIME.

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

Check our listings each week on our website at www.fandrive.com

