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## Possible perennial future of prairie region

By Lucas Shivers

The Friends of Konza Prairie learned about the movement for perennial, diverse and regenerative communities.

Imagining and exploring long-term options for the tallgrass prairie was the focus of an event called Cure for Cabin Fever with Soup and Song on Jan. 29 which featured Aubrey Streit Krug, director of ecosphere studies at The Land Institute.

"We have the opportunity to work together with partnerships around the world but rooted down deep in this place," said Krug, who presented to more than 35 participants. "Our approach is based on the premise that people can, and do, learn from wild plants and ecosystems. Unabashedly, we play the long game."

Krug grew up in Tipton, where her family farms wheat and raises cattle. She said she considers limestone soils with rocky prairie hillsides her home ground.

"I love Konza prairie, and come here often to walk the trails with my son," Krug said. "It's really a special place. I want to offer a reconnection to the movement of thinking about stories to inspire learning and relationships with deeper and better ties to a more sustainable future."

Currently based in Salina with her husband and son, Krug studied English and communications from Bethany College in Lindsborg and Great Plains Studies from the University of Nebraska-Lincoln.

"I wanted to learn and understand it more," Krug said. "In grad school, I took a lot of prairie hikes to consider the ways the landscape and climate shape the land and diverse, mostly perennial grasslands. Roots hold soil and build it up to persist through drought and adapt to survive and co-evolve with above ground disturbance. It's a long, deep time tradition."

Resilience Systems and Background

A descendant of German settler farmers, Krug grew up in the Blue Hills north of the Smoky Hills.

"Everyone in my small town was tied to an agricultural way of life," Krug said. "I knew the working landscape of everyday life."

More than 80% of land in this region is used for agriculture and the patterns over the last 150 years have been a reality to recognize Kansas as the breadbasket and acknowledge that there might be

## FSIS extends comment period on proposed rule for voluntary "Product of USA" labeling claim

The Food Safety and Inspection Service (FSIS) is extending the comment period on the proposed rule for a voluntary "Product of USA" labeling claim. Originally published on March 13, 2023, the proposed rule will be open for comments for an additional 30 days until June 11, 2023.

FSIS proposed new regulatory requirements to better align the voluntary "Product of USA" claim with consumers' understanding of what the claim means. The proposal allows the voluntary "Product of USA" or "Made in the USA" claim to be used only on FSIS-regulated products that are derived from animals born, raised, slaughtered and processed in the United States. Comments may be submitted through the federal eRulemaking portal.



A group enjoys a previous Prairie Festival, standing in the lush grasses as the clouds roll in. Courtesy photos



Aubrey Streit Krug, director of economic studies at The Land Institute, gives a presentation on the tallgrass prairie at the Cure for Cabin Fever with Soup and Song, hosted by the Friends of the Konza Prairie.

something more. "I saw the background of the prairie and saw it as a threshold concept where we cross over and enter into something," Krug said. "It's the idea we need to understand to participate in an ongoing learning community."

Krug seeks to be a life-long student and scholar of the plains to understand what it was and could be.

"I saw a point of change," Krug said. "It's transformational, and you can't go back to unsee it. It was like seeing that the world I was a part of took advantage of the soils and cycles. There had to be a better way."

### Systems of Stewardship

The interconnected ways of the region to eat and breathe can either have a positive impact or cause harm.

"I started to realize more of my responsibility and grapple with my direct actions," Krug said.

Krug started studying Native American cultures and languages of generations past.

"I wanted to see the diversity of cultures from the plains," Krug said. "I wanted to really get to know this region so I studied the native language of the Omaha culture."

She was part of a multi-year project from her university and a reservation in Nebraska to create a common textbook.

"It's an important and humbling experience to learn and unlearn some of our ways and support more intergenerational learning," Krug said.

Indigenous relationships on how to use the land comes from not seeing resources as deficient and more as sufficient.

"For example, we can see it as grass-full, not tree-less. This place is enough and gives us ground to stand on," Krug said.

From graduate school,

she connected with the Land Institute, outside of Salina, where she currently works with a vision to find 'enoughness' to build an enduring future in the prairie.

"The vision of perennial grains, reintegration into restored grasslands, solar energy to imagine and identify ways to contribute to the future of

this region," Krug said. "We can broaden our relationships to reach these goals."

### Paradox of Long-term Work in Urgent Times

The stressors on the prairie and region have only continued to grow.

"I think about what's possible," Krug said. "I feel more the possibility of being able to create ways of life that help hold onto processes to build the prairie."

It's not only a place but a set of processes to make a community. These basic ways efficiently cycle water and nutrients with health and ways to hold onto and restore them.

"It's a tension with human emotion and sense of questioning to hold on with visions of 'take and not return' versus 'leave and give back.' We do this work together," she said. "We want to invite more people into the process for grassroot opportunities within communities to form."

Krug's work helps to integrate and bring science, community and story together.

"We need science to understand how natural

systems work, sustain and change with rigorous study based on evidence, observation and experimentation."

### Transferable Learning Communities

Krug hopes to bring several parts together with hubs of research and sharing.

"We want to create inclusive communities," she says. "What animates our curiosity is the shared stories of memory, imagination and emotion. We want to hear and tell stories of how we all belong with the impact and consequence of the land. It has a lot of power and possibility."

Through transdisciplinary research and collaborations, Krug and The Land Institute build learning communities to help society cross the threshold into diverse, perennial grain agriculture.

Rounding out the event, musician Ann Zimmerman from Salina provided songs of the prairie in universal language using her voice with piano, guitar and the audience itself enjoyed *Home on the Range* on Kansas Day.

### Supporting KEEP

The Cure for Cabin Fever supports the Konza Environmental Education Program (KEEP).

Jill Haukos, Konza's director of education, said KEEP helps kids learn about the prairie, understand it and fall in love with it.

The team is developing a new curriculum to reach students who may not be able to come to the prairie with tools to support their learning.

With countless field trips, KEEP brings children to the tallgrass prairie to increase their understanding of the remarkable ecosystem and instill a sense of place and pride in their environment.

KEEP allows students and the public to participate in hands-on ecological research to increase their knowledge of the scientific process and the significance of research.

## Tractor Tales at Spring Crank up! Tractor Show in Alta Vista



Kirby Zimmerman, left, and Richard Stahl, right, look on as Carl Larson from Leonardville talks about his miniature tractors (above) he displayed at the Spring Crank Up! Tractor Show, Saturday, April 15th at Ag Heritage Park, Alta Vista. Carl made the IH 1256 and John Deere A in his home shop. Ag Heritage Park appreciates the support of the exhibitors that showed up on the cooler, rainy day, and the friends that enjoyed the chili bowls and those that purchased barn quilt tickets. The barn quilt winner was Donna Crosby, Manhattan.





## Community Bonds

By Jackie Mundt, Pratt  
County farmer and rancher

Living in a small town is wonderful. Knowing people in the grocery store, the space and security for children to play in parks or yards and a shared sense of ownership with your neighbors to help and make life better for each other are some of the things that make this life sweet.

Smaller usually feels like an advantage in rural communities, except there are fewer people to help financially support the cost of community resources. Farmers and other landowners cover a large portion of the communities' financial needs through property tax payments to support local municipalities, schools, hospitals and other taxing entities.

Incredibly rural communities often have a choice between shockingly high taxes or a glaring lack of important community services. Bond issues are a way for the community to declare their opinion of whether some of the taxes are worth it.

This spring, our school district like many other across the state, has a bond issue on the upcoming ballot. The school is asking our community to make improvements to existing facilities to accommodate unmet and future needs.

Bond measures are really asking whether you and your neighbors want to join together and spend money out of your own pocket on an investment in the community. All investments should be considered carefully by weighing the cost against the risk and reward.

In our ultra-polarized world, some people will quickly jump to one side or the other of this issue. Some will oppose the measure because the cost is too high or they believe the improvements are not needed. Others are strongly in favor of all investments in education and community improvements regardless of the cost.

This community has been fortunate to have had citizens who balanced fiscal responsibility with a vision for a community that is a great place to live. As I look around, it is easy to see all the places where people have made investments of time and money to make our community great.

I often marvel about how people have been proactive and really cared about the future of our community. It's not like that everywhere. I appreciate the past investments and feel a sense of obligation and desire to do my best for the future of this place.

Personally, I am typically pro-investment because community growth and improvements to our schools and other facilities make for a high quality of life that attracts new people and helps us all to thrive. However, the idea of more taxes pushes me to temper that reaction with an evaluation of the project before deciding my stance.

It is my responsibility as a voter and community member to evaluate the proposed bond against my own desires and the needs of our community. The vote is a few weeks away, and I have been investigating the proposal, discussing it with my fellow voters and seeking knowledge to fill gaps in my understanding.

If you have a bond issue in your community, I hope you will take the time to evaluate what is being asked and if the solution is the right course of action. Getting to the decision right can have a big impact on the future of your community.

I haven't made a decision on the bond issue yet but am confident I will walk into the polling booth as an informed voter with the best interest of our community in mind. I also have faith that my fellow community members have the same feelings of responsibility and ownership of the decision they make.

*"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.*



I admit it, I have a character flaw. Well, I have many character flaws but only one that I am going to admit to today. It is a flaw that rears its ugly head up this time of the year and really causes me much trouble and consternation. I am, at times, completely and totally paralyzed by indecision. In other words, I couldn't make my mind up if my life depended on it.

This time of the year my to-do list is exceedingly long and often things on it are very time-sensitive and have limited windows they must be done in. Worse yet, things often need to be done in a certain order. Things like, I would like to work cows, but I want to put them out on pasture as I work them. To get the cows out on pasture I need to build and fix the fence, but I don't want to do that until I have burned the pasture. I would burn pasture, but the wind is too strong. All of this thinking about what needs to be done paralyzes me and I run around for hours chasing my tail.

This doesn't just happen with big projects; it can also happen with day-to-day things too. I need to feed the cows hay, but the tractor is in one place, the hay I need to feed is at another, and the cows are at a third place. I could just use the tractor and haul the hay to the cows but that would take longer. The hay is not where I can get it easily with the truck and it would be easier to feed with the tractor. Oh, and I need to run water for the sheep and run an errand in town that is time-sensitive. I will go back and forth on where I should start and how I should do even the simplest of chores.

I know, I just need to pick a place to start and not spend so much time worrying about how the job should get done. I have tried all kinds of tricks like writing lists and prioritizing what needs to be done. To be honest, I either lose the list or I spend too much time contemplating what should be on that list and what order it should be done in. The list method only makes things harder for me.

Big projects are the worst. I am building a fence and just getting started is my biggest hurdle. I find myself trying to be

as organized as I can and still forgetting simple, small stuff like soft wire to make the end insulators out of. Then come decisions on where to site the fence and where to put corner posts. There are so many decisions to be made, I am a wreck before I finally get started.

You know what the funny thing is? Once I get started everything usually falls into place. Feeding the cows, I just got on the tractor and pushed through, hauling hay with the tractor. Do you know what? I got done in time to get everything watered and get to town on time. I got started on the fencing project and as I started putting corner posts in, it became clear where the corner posts needed to go. For me, the biggest obstacle is the start; once I get rolling, I am good. It is what to do, where to start and how to start that often sidetracks me.

I have decided that tackling my overwhelming to-do list is kind of like eating an elephant. You have to pick a place to start and not worry about how big the task is. I have been told you can't finish what you don't start. However, in my world I spend far too much time worrying about whether I eat the elephant's toenail, tail, or ear first.

I do realize that I have a problem, but I am also not sure what to do about it. Do I do some research on the internet, maybe buy a book, or do I find someone to talk to about my indecision problem? Even that leaves me with no place to start. I would get help but even that paralyzes me and leaves me not knowing what to do. I need to do something so I will go work on the fencing project. My corner posts are set, and the project is well underway, what decision could I possibly agonize over?

Wait, should I drive the pickup or the side-by-side? The side-by-side would be a lot easier to use but all the fencing supplies are in the pickup, and it would take way too long to move them over. The sprayer is in the side-by-side, and I would have to drain it, and we might need it if we decide to burn tonight, but the pickup needs gas. Someone, please, help me decide.



I started working at *Grass and Grain* in 2010. In the thirteen years since, the one phrase that I have heard and written more than probably any other is that all of you in agriculture "need to tell your story." When I started here it was estimated that only 2% of the U.S. population lives on a farm and is involved in production agriculture and the number has now fallen below that threshold. Fewer and fewer farmers are feeding more and more people, yet the disconnect continues to grow. Anti-agriculture voices are amplified through social media, which also somehow gives credibility to non-experts, and misinformation spreads like wildfire. So yes, it is still so important that ag producers are communicating with consumers. But the problem isn't that you haven't been telling your story; it's that in many cases, it isn't being heard. Communication is a two-way street and if the message isn't received, it might as well have never been sent at all.

Over the years I've studied some of the psychology behind marketing and advertising, and it's important for you to understand some of it if you are serious about spreading an accurate message about agriculture to the masses. So, buckle up, I'm going to go full-on nerd for a few minutes and give you some important statistics. Then we'll talk about what they mean to you as you go about telling your story.

According to Zippia.com, the average American is exposed to 4000-10,000 advertising impressions per day. I know what you're thinking... no way, right? But if you consider every single logo'd item you see in the course of the day, every newspaper, radio or television ad and of course, all the internet advertising, it adds up. I challenge you, stay exactly where you are and look around you. My guess is that without even trying, you'll see ten or more advertising impressions within your line of sight. When I do it at this moment, I have the Apple logo on my computer monitor, logos on the coasters I set my coffee mugs on, logos on my coffee mug, my pen, my telephone, calendar, computer keyboard and mousepad. That's all without even getting out of my chair. As you move through your day, you are besieged constantly with advertising impressions, and there is absolutely no way for your brain to process them all. So the vast majority of them never get past the natural filters it sets up to protect itself.

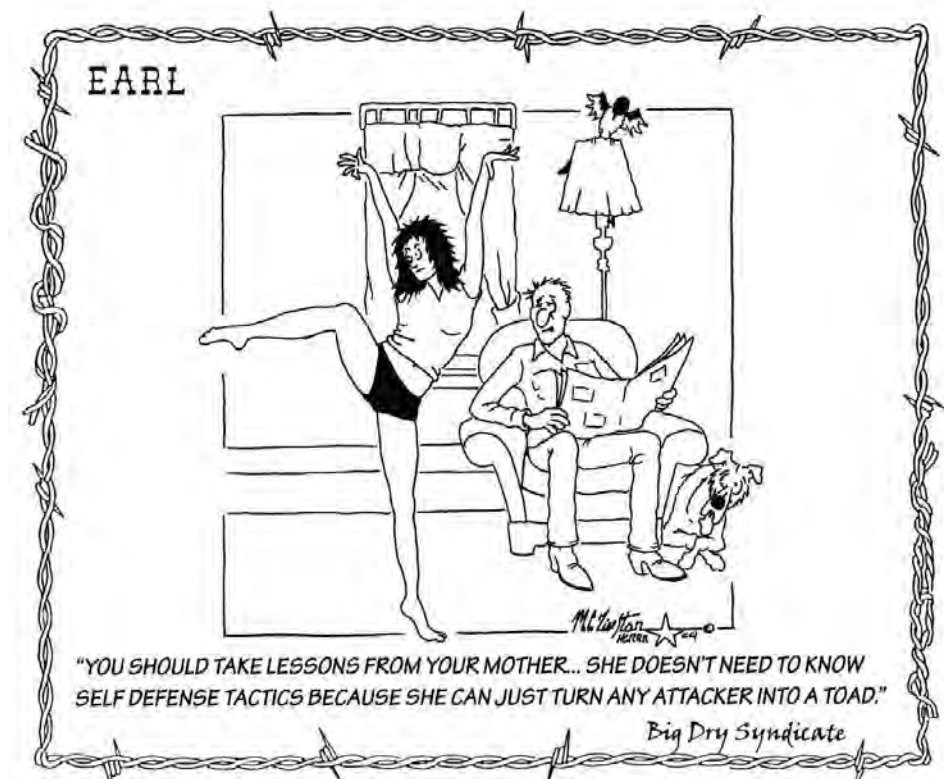
In order for a message to get through to you, something has to bulldoze through your brain's filter. And what does that the most effectively? Emotion. If a message can trigger an emotion within you, those filters collapse like a house of cards.

You all had been telling your story for years with varying degrees of success. Then something happened that all of the sudden caused the message of agriculture to be heard by the masses. What was it? The pandemic. Empty grocery store shelves cast an element of fear on the general public and all of the sudden they heard the things you'd been saying about the importance of farmers and ranchers and the agriculture products they produce. Your story resonated with people in a way it never had before. They connected the dots between the work you do and the food they eat. But once the pandemic was over, human nature being what it is, many people went back to life as usual and stopped listening again. The anti-agriculture voices resumed their siren song, going back to relying on emotions and may the facts be damned.

Fear is a very effective emotion in getting past filters, but the reality is, it wears out its welcome fairly quickly. That's why a company might use fear occasionally to get their message across, but it won't be what they use continually. Think about insurance companies. They might sometimes run a campaign along the lines of, "What would your family do if something were to happen to you?" but they will also run ads using other emotions like hope or humor, because they understand that if they stay with the fear theme too long, their messages will be tuned out.

So, what does all of this have to do with you? Well, I encourage you to keep it all in mind when you set out to tell the story of agriculture. Dealing with emotions can be anxiety-inducing, and most of us go to great lengths to keep our emotions in check. But if you want to break through the natural filters of people's minds and have them receive your message, you're going to have to engage their emotions. Humor is a very powerful one to use, but don't be afraid to use others, as well. And when you are vulnerable with your own emotions - like the pit in your stomach when you're watching a crop wither from lack of rain, or the elation of watching your child bottle a newborn calf - your audience feels a connection that goes much deeper than words on a page or screen. That kind of vulnerability can feel risky, and in all honesty, there are those out there who won't treat it with the kindness and compassion it deserves. But there are others that will, and those are the ones that matter. The ones who will hear your message and be touched on a deeper level that stays with them long after. The ones who will internalize that message and defend agriculture when they recognize falsehoods in the attacks.

So, tell your story, be vulnerable and engage emotions. A tall order, I know. But the reality is, so much depends on it - for all of us in agriculture, as well as the world we are working to feed.



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Publisher - Tom Carlin  
Managing Editor - Donna Sullivan  
gandgeditor@agpress.com

— Advertising Staff —  
Briana McKay  
briana@agpress.com

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# Shop Kansas Farms to hold Market of Farms in Lyons

Shop Kansas Farms (SKF) will hold its third Market of Farms on Saturday, April 29, in Lyons featuring farmers and ranchers from across the state selling homegrown beef, pork, poultry, eggs, honey, jams, jellies and more.

"We're excited to return to the site of our first-ever Market of Farms and celebrate the third anniversary of Shop Kansas Farms' founding," says Rick McNary, SKF founder. "Last year more than 1,400 people showed up to meet the people who produce their food, and we're

expecting another great turnout this year."

The Market of Farms will be from 9 a.m. to 3 p.m. at the Celebration Centre and Bar K Bar Arena, 1145 East U.S. 56, in Lyons. For a list of vendors registered for the Market of Farms, visit [www.shopkansasfarms.com](http://www.shopkansasfarms.com) and click on the events tab. Market of Farms sponsors include Two Bar Cattle Co., Kansas Tourism and The Buffalo Seed Co.

A handful of workshops will also be held throughout the day with topics ranging from beekeeping, how to

buy beef from a rancher, the importance of commercial kitchens and more.

"We are incredibly blessed to have a network of farmers and ranchers through Shop Kansas Farms," Megan Gilliland, owner of Next to Nature Farm, says. "Connecting with consumers and producers is helpful for us as we grow our business in Kansas and the region."

Tickets are \$5 and can be purchased at the door or online. Children under 16 get in free.

## Deere supports new documentary film *Odd Hours, No Pay, Cool Hat*

John Deere and the National Volunteer Fire Council (NVFC) have joined forces to support the new documentary film *Odd Hours, No Pay, Cool Hat*.

The film highlights diverse stories of rural volunteer firefighters from across the country and

paints a portrait of these brave individuals who serve their communities. The film will soon be released nationally, and producers hope those who watch it will be inspired to sign up to be volunteer firefighters through the NVFC's "Make Me a Firefighter" campaign.

Of the 1.1 million firefighters in the U.S. today, more than 700,000 are volunteers who provide a vital service to rural communities across the country. These volunteers answer the call and are among the first responders to arrive on the scene of grain bin and other struc-

ture fires, brush fires, vehicle accidents, hazardous chemical spills and other accidents.

Many volunteers are farmers, ranchers, contractors, loggers, John Deere employees or John Deere dealership employees. Nate Clark, global director for corporate social responsibility at John Deere and president of the John Deere Foun-

the film are John Deere employees recorded more than 13,000 hours in 2022 volunteering as firefighter and emergency responders.

"John Deere and our employees recognize the importance of volunteer firefighters and emergency responders in communities across the country," Clark said. "Some of the individuals featured in

the film are John Deere customers and many John Deere dealers provided financial support for the film's distribution. All John Deere dealers will be able to use the film free of charge to help local recruitment efforts of volunteer firefighters."

For more information, visit [JohnDeere.com](http://JohnDeere.com) or contact your local John Deere dealer.

## House Natural Resources Committee considers Rep. Mann's legislation to strike down the Biden administration's listing of the lesser prairie-chicken

The House Natural Resources Committee's Subcommittee on Water, Wildlife and Fisheries held a hearing concerning U.S. Representative Tracey Mann's joint resolution of disapproval to strike down the Biden administration's recent listing of the lesser prairie-chicken (LPC) under the Endangered Species Act (ESA). In February, Mann led nine of his colleagues in reintroducing the CRA. Mann first introduced the legislation in the 117th Congress. If the CRA resolution is enacted, the measure would prevent the listing from having any force or effect.

"I refuse to sit idly by while the United States Fish and Wildlife Service imposes burdensome regulations on producers with no input from Congress," said Mann. "The designation of the lesser prairie-chicken as a threatened species in places like Kansas is unacceptable. This resolution calls for an absolute refusal of this rule, which should have no force or effect until Congress is consulted. At a time when inflation is at a 40-year high and families are struggling to fuel their cars while keeping food on their tables, we should be working to eliminate barriers for the agriculture and energy sectors, not hamstringing hardworking Americans with government overreach. Since this rule threatens the livelihoods of the men and women who feed, fuel, and clothe us all, I hope that all my colleagues in Congress will join me in refusing to accept it."

### Background:

On December 22, 2022, in the 117th Congress, Mann introduced the bicameral joint resolution of disapproval under the Congressional Review Act (CRA) to strike down the listing of the lesser prairie-chicken.

On January 12, 2023, Mann led a group of colleagues in requesting a delay of the final rule that would list the lesser prairie-chicken under the Endangered Species Act. Following this letter, the U.S. Fish and Wildlife Service moved the effective date from January 24 to April 1, 2023.

On February 8, 2023,

Mann led a group of their colleagues in reintroducing their joint resolution

of disapproval under the Congressional Review Act to strike down the listing.



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# GRASS & GRAIN Our Daily Bread

\*\*\*\*\* By G&G Area Cooks \*\*\*\*\*

Jackie Doud, Topeka, Wins The Weekly Recipe Contest And Prize In Our Daily Bread

Winner Jackie Doud, Topeka:  
**QUICHE**

- 5 eggs
- 1/2 cup cubed ham
- 1 small chopped onion
- 1 small chopped green pepper
- 1 cup Swiss cheese
- 1 cup Cheddar cheese
- 1/2 cup milk
- 1 unbaked pie crust

Mix all together and pour into pie shell. Bake 1 hour at 350 degrees. Cover edges of crust to prevent over-browning.

\*\*\*\*\*

- Gin Fox, Holton:**  
**BEEF TACO CASSEROLE**
- 2 pounds ground beef
  - 10-ounce can creamy tomato-Ranchero soup
  - 1/2 cup water
  - 14-ounce can diced tomatoes with green chiles
  - 1 cup shredded Cheddar cheese (4 ounces)
  - 3 green onions, chopped (1/2 cup)
  - Sour cream
  - (8) 6-inch corn tortillas, cut into 1/2-inch strips

Cook beef in a large skillet over medium-high heat, stirring to separate meat. Pour off fat. Mix beef, soup, water, tomatoes and tortilla strips in a 3 1/2- to 5-quart slow-cooker. Cover and cook on low 7 to 8 hours (or on high for 4-5 hours). Stir in cheese. Cover and cook 5 more minutes. Sprinkle with green onions and serve with sour cream.

\*\*\*\*\*  
**Kellee George, Shawnee:**

**HOMEMADE COCKTAIL SAUCE**

- 1/2 cup chili sauce
- 2 tablespoons lemon juice
- 1 teaspoon prepared horseradish
- 1/2 teaspoon celery seed
- 1/2 teaspoon Worcestershire sauce

In a bowl combine all ingredients and mix well. Cover and refrigerate until chilled.

\*\*\*\*\*

**Rose Edwards, Stillwater, Oklahoma:**

**CORNED BEEF HASH**

- 1 tablespoon oil
- 2 cups cubed & cooked corned beef
- 2 cups frozen hashbrown potatoes
- 1/2 cup chopped green pepper
- 1/2 cup chopped red pepper
- 1/2 cup chopped onion
- 1/4 teaspoon pepper

Heat oil in large non-stick skillet over medium heat until hot. Add all ingredients; mix well. Cook 10-15 minutes or until peppers are tender and mixture is thoroughly heated, stirring occasionally. Serve.

\*\*\*\*\*

**Millie Conger, Tecumseh:**

**TARTER SAUCE**

- 1 cup mayonnaise

**1/2 cup finely chopped dill pickles**

- 2 tablespoons finely chopped fresh parsley
- 1 tablespoon lemon juice
- 1 tablespoon chopped pickles
- 1/2 teaspoon finely chopped onion
- 1/4 teaspoon Worcestershire sauce

In a bowl combine all ingredients and mix well. Cover and refrigerate until chilled.

\*\*\*\*\*

**Kimberly Edwards, Stillwater, Oklahoma:**

**COCONUT MACAROONS**

- 2 egg whites
- 1/3 cup sugar
- 2 tablespoons flour
- Dash salt
- 1/4 teaspoon almond extract
- 2 cups coconut

Heat oven to 325 degrees. Grease and lightly flour a cookie sheet. In a bowl beat egg whites until frothy. Add sugar, flour, salt and almond extract; mix well. Stir in coconut. Drop dough by tablespoonfuls 2 inches apart onto cookie sheets. Bake for 13-17 minutes or until set and light golden brown. Immediately remove from cookie sheet.

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## Inspired By Awe

By Lou Ann Thomas

Ah, Spring! It is impossible for me to not feel hope and inspiration during this season. Spring is such a special time on the farm. The earth appears to reawaken, and everything begins to blossom and grow. Spring offers me the opportunity to sink deeply into wonder and awe.

Recently the Washington Post ran an article about recent research conducted by a team of British researchers about how important the feeling of awe is for us humans. The study determined that sunrises and sunsets are the most beautiful and awe-inspiring weather phenomenon, and likely the easiest way to add awe to our lives.

And to that, I say, "Duh!" We country folks already know that, don't we? Living so close to the natural world, we are familiar with awe, which is defined as "a feeling of reverential respect mixed with wonder." We have many opportunities to be stopped in our tracks by the brilliant orange, red, pink and purples in a particularly stunning sun up or sun down.

The lead researcher in this study, Alex Smalley, says that "Feelings of awe can improve mood, increase positive emotions and decrease stress." Smalley and his research team determined that when we see something vast and overwhelming or something that produces this feeling of awe, our personal problems diminish so we aren't so focused on or worried about them.

Whether we stand at the edge of the ocean and its rolling tide or watch a particularly colorful sunset briefly linger before slipping behind the horizon,

we become aware of our smallness compared to the diverse vastness of the natural world. And that can put so many of our problems and worries in a proper perspective.

The Washington Post article then went on to discuss how the colors of sunrises and sunsets are created using terms like "nanometers" and "pollution droplets" so I zoned out for a few paragraphs. When I refocused toward the end, Smalley admitted that most of his current research used digital sunset and sunrises to test a person's emotions. That is likely an indication of how powerful the awe-inspiration is for the sun rising and setting. But, again, I feel blessed that I don't have to rely on digital images for my awe. Nope. I can just look out or up and there it is - a stop-me-where-I-am awe.

Sun ups and downs are not the only things that will elicit a "Wow!" or a heart flutter in me. I feel awe when watching a red-tailed hawk ride the thermals. I feel it when I look along the creek tree line and see all the redbud trees in full bloom this time of year. Awe is the spring burn marching across the hills knowing that some well-timed rain will green the scorched hills in just a few days and once again nourish the native grasses and all those who feed on it. Awe resides in every seed now being planted and the hope of the strong healthy crops that those seeds will produce.

It's spring! And that's not just awe-some. That's awe-a-lot!

Check out Lou Ann's blog at: <https://louannthomas.com/blog>

## Tips For Making A Meal From What's On Hand

By Cindy Williams, District Extension Agent, Family & Community Wellness

Wondering what to do with meal leftovers? If you have leftovers from get-togethers or from meals at any time, you may want to consider mixing them together into some type of casserole. Try this "Make-Your-Own-Casserole" recipe from Alice Henneman, MS, RD, University of Nebraska-Lincoln Extension (retired), as a guide to help you turn leftovers into favorite family foods.

**"Make-Your-Own" Casserole**  
General Directions:

Select food(s) from each category or use your own favorites. Combine in a buttered 2- to 2 1/2-quart casserole dish. Cover and bake at 350 degrees F for about 50 minutes to 1 hour. Or microwave using 50% power for about 15 to 30 minutes, rotating or stirring as necessary. Heat until steaming hot (165°F) throughout. This recipe makes six servings.

**Starch — Select ONE:**

- 2 cups uncooked pasta (macaroni, penne, spiral, bow tie), COOKED
- 1 cup uncooked long-grain white or brown rice, COOKED
- 4 cups uncooked noodles, COOKED

**Protein — Select ONE:**

- 2 cups cooked ground beef
- 2 cups cooked and diced chicken, turkey, ham, beef, or pork
- 2 cups chopped hard-cooked egg
- 2 (6 to 8-oz.) cans fish or seafood, flaked
- 2 cups cooked or canned dry beans (kidney, etc.)

**Vegetables — Select ONE:**

- 1 (10-oz.) package thawed and drained frozen spinach, broccoli, green beans, green peas
- 1 (16-oz.) can green beans, peas, carrots, corn, drained
- 2 cups sliced fresh zucchini

**Sauce — Select ONE:**

- 2 cups white sauce or 1 can sauce-type soup (mushroom, celery, cheese, tomato, etc.) mixed with milk to make 2 cups

• 1 (16-oz.) can diced tomatoes with juice

**Flavor — Select ONE or MORE:**

- 1/2 cup chopped celery, 1/4 cup chopped onion, 1/4 cup sliced black olives
- 1-2 teaspoons mixed dried leaf herbs (basil, thyme, marjoram, tarragon)
- Salt and pepper to taste.

**Toppings — Select ONE or MORE:** If desired after heating, place on top:

- 2 tablespoons grated Parmesan cheese
- 1/4 cup shredded Swiss, Cheddar or Monterey Jack cheese
- 1/4 cup buttered bread crumbs
- 1/4 to 1/2 cup canned fried onion rings

Return casserole with topping(s), uncovered, to oven for about 10 minutes or to microwave for about 2 minutes.

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# Whether You Grow Your Own Or Shop At Farmers' Markets: Top Tips For Safe Home-Canned Foods

By Kaitlin Moore, Nutrition, Food Safety & Health Agent, River Valley Extension District

Summer is right around the corner! Whether you peruse local farmers' markets or grow your own, you will soon have access to an abundance of freshly harvested produce and with that, an opportunity to preserve it and enjoy it through the fall and winter. While there are many food preservation methods: canning, freezing, dehydration, fermentation, etc., it seems many of the questions I receive are about canning. Thankfully K-State Research & Extension has many great publications available on the subject. I would like to share some of their top tips for SAFE home-canned food.

**1. Altitude Adjustment** — Kansas altitude can range from below 1,000 feet to just over 4,000 feet. Failure to adjust for altitude will lead to under-processed food, which encourages the growth of *Clostridium botulinum*.

**2. Headspace** — Proper headspace helps ensure a good vacuum seal on jars. Too little headspace can compromise the seal. Food and liquid expand during processing and may seep underneath the

sealing compound. Too much headspace leaves excess air inside the jar, causing discoloration, seal failure, and spoilage. For best results, always follow headspace measurements in the recipe

**3. Untested or Homemade Recipes** — Canning your favorite recipe is risky, and may cause spoilage and foodborne illness. It is difficult to determine the safety of a homemade recipe without having detailed knowledge of the recipe, preparation procedures, total acid content, and consistency of the final product. Use tested recipes from trusted resources such as USDA, K-State Research and Extension publications, or home preserving equipment and ingredient manufacturers. Commercially canned foods are rigorously tested for safety. It is dangerous to try to recreate them at home.

**4. Acidifying Tomatoes** — Tomatoes are on the borderline between a low-acid and high-acid food. Tomato processing

recommendations include both boiling water and pressure canning. Pressure processing instructions are equivalent in heat treatment to water bath processing. Both methods require acidification. There are no recommendations to process tomatoes without acidification.

**5. Lids and Jars** — Recipes specify what size of jar to use. If a recipe lists pint only, do not use a larger jar. Regular and wide-mouth Mason-type, threaded, home-canning jars with self-sealing lids are the best choice. They are available in 4-ounce, ½-pint, 12-ounce, pint, 1½-pint, quart, and ½-gallon sizes. Half-gallon jars are only used for canning high-acid juices. With careful use and handling, Mason jars may be reused many times.

When using 12-ounce jars, follow pint jar processing recommendations. When using 1½-pint jars, follow quart jar processing recommendations.

Colored jars and lids

are available and are safe for canning. Colored jars are not recommended for fair exhibits, which are judged visually, because it is difficult to see through colored glass.

Commercial jars, such as mayonnaise jars, can be used for high-acid foods and water-bath canning. You must use the two-piece lid and ring, which may not fit the jar rim. Commercial jars that cannot accommodate two-piece canning lids are not recommended for home canning. The common self-sealing lid consists of a flat metal lid and a metal screw band. These lids are used one time only. Reusing metal lids can lead to seal failure and spoilage. Lids manufactured since 2014 do not require heat treatment before use. All lids, however, can be heated gently in hot simmering water. Do not boil lids as excessive heat softens the gasket compound too much. Metal screw bands can be reused.

These tips are from Karen Blakeslee's publication MF3170: 10 Tips for Safe Home-Canned Food. Questions about canning can be directed to Kaitlin Moore, Nutrition, Food Safety & Health Agent at 785-243-8185 or kaitlinmoore@ksu.edu.



By Kelsey Pagel

## Planting

Planting punched me square in the face and then went in for another round! The sad part about it is, it really was only about five days. But it wiped me out. We got a new-to-us planter that took Matt some getting used to with all the features, but once he did, he didn't get out. That meant that all the cows he had been taking care of were passed to me. So by the time I got all his cows taken care of, our lunchboxes packed and delivered to him, it was afternoon before I was jumping in the drill. Then we would run late each night and up early the next morning to do it all again. You better believe I had all my fingers and toes crossed for that rain we got.

We're so thankful for the rain, but it didn't slow us down much. We've been rearranging cows so when we can get in the field again, there won't be as many chores. We've been holding off moving them to grass because it hadn't started growing much and we didn't want to hurt it. But hopefully now with the rain and warmer weather, it will take off.

I'm not a huge cat person, but one literally fell out of the tree at our house one day several years ago and has stuck around ever since. Then we had one left by itself at the shop so I brought said cat home to be friends with my only cat. It's been a couple years. I was sure I had a female cat and brought home another

female cat so no kittens. This spring Monster has started becoming more round. I couldn't figure out where a tomcat had come from. It would have to literally be miles and miles. We don't have neighbors and the neighbors we do have don't have cats. Tonight, I'm thinking I misidentified Boo as a female, when really Boo might be male. And now we're going to have kittens, I think. Maybe.

In related news, I'm waiting for the first spring calf to drop. We have them where I want to start calving them. Or close anyways. Every year I feel like I'm ready, and then the first one hits the ground and I'm completely unprepared. Hoping spring calving goes better than our winter calving did. Winter calving was just filled with strange things happening. Things I've never seen before and I've been around a lot of calving cows. I've given the girls their pep talk and told them no funny business. Have them on your own and take care of them. No nonsense of not feeding them or backwards calves. Easy-peasy.

Other than that, I don't have much else to report. May planting go well for you. May we get the moisture it needs to grow. May calving go well for you. May we get the moisture we need for the grass to keep growing all year. Until next time, grace and patience.

Kelsey Pagel is a Kansas farmer. She grew up on a cow/calf and row crop operation and married into another. Kelsey and her Forever (Matt) farm and ranch with his family where they are living their dream and loving most of the moments. She can be found on IG & FB @team-pagel.

## K-State Unveils Expanded Kansas Garden Guide To Help Gardeners In State's Challenging Growing Conditions

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

MANHATTAN — A popular guide to gardening in Kansas has undergone a major makeover that one of its authors said helps to "better reflect the needs and experiences of a wide range of Kansas gardeners, especially our newest gardeners."

An updated version of the Kansas Garden Guide — which in 2022 was downloaded 35,931 times, or about 100 times a day — will be available to order by early May from the K-State Research and Extension bookstore.

The guide already is available to view online in its entirety. Viewers can print pages that relate to specific information.

"We are always learning new things about growing plants in Kansas and understanding the science of soils, plants, and microorganisms better," said Rebecca McMahon, administrator of Kansas State University's local foods systems program.

"So," she added, "we need to update our publications to reflect changes in practices, as well. Also, the way that people think about and approach gardening changes over time. Gardens today are usually smaller and there are many new gardeners that have started gardening over the past several years."

McMahon was one of several editors of the new guide, which has expanded to 202 pages complete with full-color pictures and illustrations. The Kansas Garden Guide — originally printed in the early 1980s — was last printed in 2010, and included 76 full color pages.

New or expanded content includes:

- \* Starting and planning a garden.

- \* Raised bed and container gardening.

- \* Improving soil health and composting.

- \* Planting and maintaining a garden, including watering, fertilizing and other best practices.

- \* Fall gardens and extending the garden season.

- \* Managing insect pests and identifying plant diseases and environmental stressors.

- \* Taking advantage of pollinators and beneficial insects.

- \* Harvesting and storing produce.

- \* Growing herbs, including a wider variety of herbs.

- \* Growing vegetable crops, including tips on choosing varieties, crop rotation, common concerns, and more.

- \* Updated planting and harvesting calendars.

Cheryl Boyer, a nursery crop production and marketing specialist for K-State Research and Extension, said she "wouldn't want to tackle my home garden without this guide."

"The Kansas Garden Guide is essential for successful edible gardening in Kansas," she said. "We have excellent demonstration gardens in nearly every Kansas county, showing off what we can accomplish with the knowledge contained in the Kansas Garden Guide."

Boyer added that while the guide is oriented to home gardeners, commercial growers also will benefit from the updated recommendations: "This would make an excellent resource for every nursery, garden center and hardware store to have on hand."

McMahon said perhaps the most important aspect of the publication is that the guidelines are specific to Kansas' growing conditions.

"Most other gardening resources that Kansas gardeners are going to find are more reflective of conditions in other parts of the country," McMahon said. "The Kansas Garden Guide focuses on what you need to know to have success in our challenging climate."

In Kansas, home gar-

deners produce \$20 to \$25 million worth of vegetables each year, according to information published in the new guide. These vegetables not only help Kansas save money on food costs, but also contribute to overall nutrition and health.

The direct link to the guide is [www.bookstore.ksre.ksu.edu/pubs/S51.pdf](http://www.bookstore.ksre.ksu.edu/pubs/S51.pdf).

Links used in this story: *Kansas Garden Guide (2023)*, <https://www.bookstore.ksre.ksu.edu/pubs/S51.pdf>

*Local Foods Systems (Kansas State University)*, <https://www.rrc.k-state.edu/local-foods/index.html>

### Acidification Options for Tomatoes (choose one)

	Bottled Lemon Juice	Citric Acid	Vinegar (5% acidity)
Pints	1 tablespoon	1/4 teaspoon	2 tablespoons
Quarts	2 tablespoons	1/2 teaspoon	4 tablespoons

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# Flint Hills Discovery Center to host Flint Hills Festival on May 6

The Flint Hills Discovery Center (FHDC) will hold its annual Flint Hills Festival on Saturday, May 6. The event will run from 10 a.m. to 5 p.m. in Blue Earth Plaza, directly across from the FHDC at 315 South 3rd St.

Live entertainment, activities for children and adults, a wine tasting area

(21+), community groups, and demonstrations make this event fun for all ages. Thanks to funding from the Dean Coughenour Trust, the festival and admission to the Discovery Center are free this day. Food trucks will be on hand selling their cuisine and vendors may have items for sale.

Live music begins at 10:30 a.m. with the unique blend of country, red dirt, and southern soul of Steel Skarecrow followed by a returning favorite, the Topeka High Drumline, at 12 p.m. Steel Skarecrow returns for a second set at 1:00 p.m. before the 1st Infantry Division Band finishes out the day at

3:30 p.m. showcasing their Brass Quintet and Brass Band.

Wineries participating include Highland Community College Winery, Oz Winery, and Smoky Hill Winery. Alma Creamery will also be on hand with cheese samples to complement the wine tasting. There will be activities

for kids including bounce houses, train rides, and live animal encounters. K-State Salina Aerospace and Technology Campus will have flight simulators, Manhatchet will have an axe throwing area, and Toys for Tots will be collecting toys for their annual Christmas toy drive.

Joel Condray, author of A True Kansas Treasure, will be signing copies of his book and speaking. The book tells the story of his grandfather discovering a new dinosaur skeleton on his property in Ottawa County in 1955. The book signing will be in the Atrium from 10 a.m.-12 p.m., and again from 1:30-2

p.m. From 1-1:30 p.m., Joel will speak about growing up with his grandfather and hearing the story of Silvisaurus condrayi, the dinosaur named after his grandfather. Silvisaurus condrayi was recently designated as the Kansas State land fossil. Copies of the book will be available for sale in our gift store.

This is also the final weekend for Dinosaurs: Fossils Exposed. Don't miss your chance to get up close and personal with a T-Rex or one of the five other full skeletons on display. Take your turn at becoming a paleontologist as you dig for fossils in the dig pit.

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## Cowboy Entertainment

My time in the Sandhills of Western Nebraska was full of long hours of “cowboying,” and quite a favorite period in my career. Though I was actually employed by the University of Nebraska, it was a real “cowboy” job. Oh, there were a lot of other regular ranch chores and projects, such as digging out auto gates (cattle guards), repairing windmills and fence, putting up hay, and keeping the drainage canals free of beaver dams which would flood the hay meadows. But from September to June there was hardly a day that you didn’t saddle up.

In the Kansas Flint Hills, I don’t recall knowing any young cowboy who didn’t desire to “rope a coyote” and a few I know, including myself, have attempted to do just that. My attempt was very close indeed, here at home, when I was riding through the weaned calves one fall on a beautiful morning with just a slight breeze. I was downwind of a young coyote who was “mousing” in the tall fescue cover. He would look my way as a precaution every so often, and then commence his hunting, ears up, nose down, and intently focused. He would dive into the grass and occasionally be rewarded by coming up with a scrambling short-tailed rat in his teeth, which he would snap and gulp down very quickly so as not to lose his breakfast!

I had been watching him, moving slowly in his general direction in an oblique fashion each time he buried his face in the grass, stopping as he withdrew and would occasionally check my position to

assure himself I was no threat. I had laid down onto my horse’s neck as I got nearer, and each time he wasn’t watching, I’d move my pony in a bit closer. The “pup” had become fairly comfortable with my presence, and suddenly was distracted by a rodent scurrying off to his flank, and he completely turned his back to us. We had closed the distance to less than 50 yards by that time, and I immediately slapped spurs to my mount who lunged forward into a full gallop as I was shaking out my loop. We were downwind within ten yards and closing fast when Wile E. finally heard us coming and the great skedaddle was on! I was right on top of him.

I rebuilt and threw a loop three times before we ran out of open ground. Every time, just as I would throw, Wile E. would zig and then he would zag. My pony was fast enough to match his stride but that coyote could move out from under that rope as soon as it left my hand! That was as close as I ever got to roping a coyote. Looking back, I’m wondering what I’d have done if I caught one!

I was riding that same little fast horse a few years prior on a fall gather up in the Sandhills. I had seen some antelope in the area, usually a half mile or so away whenever I spotted them, so I was taken aback as I was checking the dune ridge for cattle, and surprised a group of four antelope sunning themselves in one of the prevalent “pockets” that the wind currents had swept into the tops of the dunes over the years, which re-

semble small volcano craters. Livestock and wildlife alike will use them as a retreat from the wind, especially on a cool sunny day like this, and enjoy some of the waning sunshine and good grass as the chill of fall sets in.

These antelope were as surprised to see me as I was them, and my horse even jolted just a bit as those little goats bolted to the side of that pocket, digging and pitching sand back into it on their way out! As they cleared the top I could see they were going to head almost straight out in front of us, down the gentle north slope, so I spurred my horse and joined the chase! My little horse was fast, but I could tell we were definitely not going to close any distance, but it was fun just watching those antelope run!

As they pulled away from us I could see the outside fence coming and those goats were closing fast. It was the Monahan Ranch fence, which was probably the best ranch fence in the whole state; six foot high, seven strands of barbed wire with hedge posts every 12 feet. It was the one fence-line I never had to do any work on. I was interested to see how those antelope were going to go through, or over, that formidable fence as fast as they were going!

Those pronghorns never missed a stride! As they sailed into the distance of that fence, one by one, still at a dead run of maybe 40 mph, they folded their legs up tight, laid on one side and dove under that fence, barely skimming the ground and unfolding their legs as they cleared the wire, and stretched right back into that full run! I could do nothing but laugh out loud as we watched them disappear across the prairie dunes!

*Kirk Sours is a ranch manager and columnist in northeast Kansas. Email him at: sours.kirk@yahoo.com*

## Cold stress and corn emergence

Corn germination and emergence are optimal when soil temperatures are approximately 85°F to 90°F. But to maximize yield, many farmers have to risk planting in cooler April weather. Low temperatures during planting can impose significant stress on corn seedlings.

Corn seed is susceptible to cold stress after planting and throughout imbibition. Planting just before a stress event, such as a cold rain or snow, can cause significant stand loss. The chances of establishing a good stand are greatly improved if seeds are able to germinate at least one day in warmer, moist conditions before a cold-stress event.

“We want to see at least a minimum soil temperature of 50°F to get corn out of the ground while minimizing chance of injury,” said Aaron Vammer, Pioneer field agronomist.

Early season stress can promote seedling disease if certain conditions are met, such as the presence of inoculum or prolonged cool, wet conditions. Injury to emerging seedlings will also promote seedling disease. Injury can be caused by chilling, such as imbibitional damage, or insect feeding, such as seedcorn maggots, white grubs and wireworms.

Planting date is one of the most important factors in stand establishment. The likelihood of

reduced stands is greatest when planting into cold, wet soils or directly before cold, wet weather is expected.

“To reduce the chance of cold injury, check the five-day forecast for a potential temperature drops,” Vammer said. “If you are going to plant into cold soils, plant hybrids with high stress emergence scores and the appropriate seed treatment.”

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I want to personally invite you all to the Jay Johnson Public Library on Main Street in Quinter on Saturday, April 29 at 7 p.m. I have been invited by the Quinter Historical Society to speak on the German Family Story. There will

be refreshments following the program. Quinter is a wonderful small town and I am so looking forward to this!

Last weekend I was in Oklahoma City for the Wrangler Awards at the National Cowboy and

Western Heritage Museum. Among the honorees were Pete Coors, Red Steagall, Bobby Ingersoll, Bob Wills, and Lou Diamond Phillips. I am not sure I have ever attended an event with such prominent folks who were more gracious. I had dear friends among the honorees - Michael Martin Murphey and his son, Ryan, were honored for their album *Blues for 66* and Micki Fuhrman received the Wrangler for her album, *Westbound*.

One of the presenters at the Wranglers was the

legendary Barry Corbin. Barry has appeared in some of our most iconic and beloved movies and television shows from *Northern Exposure* to *Lonesome Dove* to *Tulsa King* and *Yellowstone*. His character's death in *Urban Cowboy* broke our hearts. With more than 200 credits to his name, calling Barry a legend is not overstating the impact he has had in film.

Now, the producers of *Sod and Stubble* are thrilled to announce that Barry is joining the cast

as Louis "Old Man" Vietz in the production, set to begin filming at Downs later in the summer.

Since I was in OKC, I was not able to attend the Kansas Music Hall of Fame induction in Lawrence. It was the first live ceremony since 2019 and I am told the excitement was through the roof. Kansas is blessed with incredible talent and I have been richly blessed to know many of those individuals. Honorees this year are: Get Smart, Mark Toelkes, The Group, Sam Bidwell, Land-

er Ballard, Jon E. Miller. The Bob Hapgood Award went to Wendell Hall; Ad Astra Award to the Walnut Valley Festival; and the Bill Lee Award went to Jerrod Nieman.

Congrats to one and all and support the creative endeavors all around you.

Deb Goodrich is the host of *Around Kansas* and the *Garvey Texas Historian in Residence at the Fort Wallace Museum. She chairs the Santa Fe Trail 200, marked from 2021-2025. Contact her at author.debgoodrich@gmail.com.*

## Look at fescue seed labels for best results

George Washington knew the value of a good seed: "Bad seed is a robbery of the worst kind," the founding father wrote, "for your pocket-book not only suffers by it, but your preparations are lost and a season passes away unimproved."

University of Missouri Extension livestock specialist Gene Schmitz agrees, especially when it comes to novel-endophyte fescue seed.

"Look at the label when buying fescue seed," he says. The right fescue seed makes the difference in livestock performance and stand persistence. The wrong seed uproots profits.

Schmitz was a speaker at 2023 Alliance for Grassland Renewal workshops across the Fescue Belt. Now in their 11th year, the multistate workshops promote conversion to novel-endophyte fescue that does not contain the toxins found in Kentucky 31, the nation's most-used forage.

Sometimes, farmers go to the local feed store with good intentions to buy novel-endophyte fescue seed, he says. Unfortunately, they may haul away a load of endophyte-free seed. Know what you are buying before you invest. The names are somewhat similar, but they are worlds apart.

There are three types of tall fescue: 1. Those containing toxin-producing endophytes that cause toxicosis; 2. Endophyte-free fescue, which contains no toxins but does not persist; and 3. Novel-endophyte fescue that has no toxins and provides a persistent stand.

Kentucky 31 or K-31 tall fescue contains a fungus that produces toxins that impair animal health. The endophyte fungus is invisible to the naked eye. Only laboratory testing can detect it. It results in a \$1 billion loss annually to the cattle industry.

Symptoms of fescue toxicosis include narrowing of the blood vessels, fescue foot, poor thermoregulation and fat necrosis. Less visible effects include low feed intake resulting in poor weight gain, low birth and weaning weights of calves, low breeding rates, birthing problems and poor milk production.

Novel tall fescue seed, promoted by the Alliance for Grassland Renewal, prevents toxicosis. It produces plants infected with a harmless endophyte fungus that the plant needs to establish and keep a strong stand, but the fungus does not produce toxins. It is more expensive than other types, but it will reward herd owners with healthier livestock and long-lasting pastures, if managed correctly.

When buying tall fescue seed, look for the "Alliance-Approved" label, says Schmitz. Approved seed contains at least 70% viable endophyte and no more than 5% of off-type endophytes. Labels give "sell by" and "plant by" dates. This is to help ensure a viable, non-toxin-producing endophyte is present in the seed at planting.

Buy seed early to avoid disappointment, says Schmitz. Many dealers do not stock large quantities. Work with seed suppliers to make sure they will have novel fescue seed supplies at planting time.

There is a small window between harvest of novel-endophyte seed and its availability for sale. Harvest does not occur until July of the establishment year. After harvest, seed is sampled and submitted for testing under the quality-control standards of the Alliance for Grassland Renewal. It must be stored in a cool, dry place until planting in early autumn.

The Alliance for Grassland Renewal quality-assurance label will always be present on proven novel-endophyte fescue seed, Schmitz said.

Find more information in the article "Comparison of Commercially Available Novel-Endophyte Tall Fescue Forage Varieties" at [www.grasslandrenewal.org/resources-and-links](http://www.grasslandrenewal.org/resources-and-links).

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# Study: Rising temps, drought likely to increase incidence of aflatoxin in corn

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

Researchers at four universities – three in the U.S. and one in China – say that increasingly warmer weather patterns in the Corn Belt could increase the growth of a toxin that would swell farmers' losses and threaten an important food source over the next two decades.

Their study takes a look at the growing incidence of aflatoxin in corn grown in Indiana, Illinois, Iowa, Missouri, eastern Nebraska and eastern Kansas – a region traditionally known as the U.S. Corn Belt – as it relates to changing weather patterns in those areas.

Jesse Tack, an agricultural economist at Kansas State University and co-author of the study, notes that “the estimates correspond to a worst-case climate change scenario and thus are likely to be smaller than estimated if credible mitigation and adaptation strategies are leveraged.”

The researchers' study – which has been recently published in the journal *Environmental Research Letters* – suggests that 89.5% of corn-growing counties in 15 states will experience increased aflatoxin contamination in 2031-2040 compared to 2011-2020.

“Assuming fixed corn prices and dollar values in 2021, overall losses (due to changing weather patterns) are expected to increase from \$20 million to \$63 million,” said study co-author Jina Yu, who is a lecturer in the Division of Business and Management at Beijing Normal University – Hong Kong Baptist University United International College.

Yu said that Kansas is among the states expected to experience “significant changes, with expected losses increasing from \$3 million to \$23 million.”

“The reasons for this change are higher temperatures, drought during the early stages of corn growth, and increased precipitation before the corn reaches maturity.”

Aflatoxin is the name given to a family of toxins produced by fungi that can grow in the soil where corn and other farm crops (among them peanuts, cottonseed and tree nuts) are grown. Aflatoxins are carcinogenic and poisonous to humans and pets, and thus are highly regulated by the U.S. Food and Drug Administration against inclusion into the food supply.

“Aflatoxin has rarely been a problem in the Midwest in the past because the cooler climate

did not allow for fungi that produce aflatoxin to thrive there,” said study co-author Felicia Wu, a professor of food safety, toxicology and risk assessment at Michigan State University.

Wu noted that aflatoxin has been a perennial contaminant in corn grown in the southern U.S. due to hot, dry summer conditions in that region.

But, she adds, “the most general finding of our work is that aflatoxin risk will spread northward in the United States as a result of near-term climate change. This is extremely problematic from an economic perspective because most of the corn we produce in the U.S. is in the Corn Belt.”

Currently, what Midwest farmers can do to offset the potential impacts to their corn crop “is the million-dollar question,” Tack said.

“It's important to note that our research does not take future adaptation into

account beyond the re-optimization of the growing season, which might mean changing planting and harvest dates,” he said. “Right now, we are simulating what would happen in the future under a business-as-usual scenario, aside from growing season changes.”

Tack adds: “We know that there will be adaptation; there always is in agriculture, and the evolution of plant genetics and on-farm management are powerful tools that can be leveraged. However, it is still not clear what the full menu of adaptation possibilities are, which of them will be most effective, and how costly they will be.”

Tack said the researchers hope their study – titled, ‘Climate change will increase aflatoxin presence in U.S. corn’ – can help to inform future discussion on adaptations. “Unfortunately, we haven't solved a puzzle,” he said, “but rather added an addi-

tional piece to an existing one.”

The current study did not look at the occurrence of aflatoxin in grain storage systems; Tack said other researchers are taking on that question. Damaged corn usually does not make it out of the field and into storage, he notes, “and thus it wouldn't typically be measured when assessing the overall damage that aflatoxin causes in the food system as a whole.”

“Agricultural biotechnology may offer solutions to the problem of increased aflatoxin risk in the face of a changing climate,” Wu said. “Our larger project found that controlling for climatic factors and grower practices, transgenic Bt corn offered protection against aflatoxin

in contamination because of its insect pest protection. We could also use biotechnological methods to improve corn's resistance to heat and drought, which could in turn reduce damages from aflatoxin.”

David Hennessy of Iowa State University is also a co-author of the study.

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ANDREW SYLVESTER, Auctioneer/Realtor, 785-456-4352

Crossroads Real Estate & Auction LLC

BILL DISBERGER, Auction Coordinator/  
 Associate Broker, 620-921-5642  
 TERRI HOLLENBECK, Broker/Owner, 785-223-2947



SCAN ME

## REAL ESTATE AUCTION

TUESDAY, MAY 23, 2023 \* 6:30 PM

AUCTION LOCATION: St. Joseph Catholic Church Hall, 8965 Flush Road, ST. GEORGE, KANSAS

OPEN HOUSE: Sunday, May 7 (1-3 PM)

Subject Address: 12410 Loux Road, Westmoreland, KS 66549

TRACT 1: Beautiful 23+/- acre building site with spectacular views.

TRACT 2: Another beautiful 23+/- acre building site.

TRACT 3: This 4-bedroom, 3-bathroom home is situated on a peaceful country setting of 15+/- acres and multiple outbuildings. The property is in great condition and has been well-maintained, with a new roof and rural water system. The home also features a detached 2-car garage and a full basement.

TRACT 4: 33+/- acres of primarily farm ground but has building potential. Please note: if this parcel sells as an individual tract the Seller will retain the use of the 3 barns via a predetermined lease. This is only applicable if this sells as a Tract.

TRACT 5: 10+/- acres – perfect for a house and shop or barn.

TRACT 6: 47+/- acres of recreational paradise!

TRACT 7: Tracts 1-6 Combined. 151 acres.

*(The /// lines on the map denote where a house would have to be built due to the County 1/4-1/4 rule. If all the tracts sell as presented.)*

SELLER: THOMAS C. & BETTY J. DUNCAN TRUST

TRACT 1: Beautiful 23+/- acre building site with spectacular views.

TRACT 2: Another beautiful 23+/- acre building site.

TRACT 3: This 4-bedroom, 3-bathroom home is situated on a peaceful country setting of 15+/- acres and multiple outbuildings. The property is in great condition and has been well-maintained, with a new roof and rural water system. The home also features a detached 2-car garage and a full basement.

TRACT 4: 33+/- acres of primarily farm ground but has building potential. Please note: if this parcel sells as an individual tract the Seller will retain the use of the 3 barns via a predetermined lease. This is only applicable if this sells as a Tract.

TRACT 5: 10+/- acres – perfect for a house and shop or barn.

TRACT 6: 47+/- acres of recreational paradise!

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ANDREW SYLVESTER, Auctioneer, 785-456-4352

Crossroads Real Estate & Auction LLC

TERRI HOLLENBECK, Broker/Listing Agent/Owner, 785-223-2947



SCAN ME

## PUBLIC AUCTION

SATURDAY, APRIL 29, 2023 — 9:00 AM

(GUNS SELL AT 11:00 AM)

Offering for sale at Public Auction, located at 3745 NW Butler Rd., BENTON, KS from Whitewater, KS (Buffalo Corner) 5 1/4 miles south or from 30th & Butler Rd. 3/4 mile north.

VEHICLES, TRACTORS & FARM MACHINERY

2002 Jeep Wrangler, 125K; 2002 Chev. 2500 pickup, 275K; 2000 Chev. 2500 4x4 pickup, 290K; IH Loadstar 1600 truck with fert. bed; 1950 JD D tractor, new rear tires & battery; 1952 JD 60 NF tractor; 1937 JD B tractor on steel; JD CX15 15' batwing mower; Wetherell 2700 8 row cultivator; IH 8-16 grain drill; 3 pt. post hole digger; JD sickle mower; DewEze 27850 flatbed bale bed; 2 - Kelly Ryan feed wagons; side del. rake; JD 4 sec. 3 pt. rotary hoe; JD pallet & bale forks; JD 5 btm. semi mt. plow; JD 653 row head; Big Ox 3 pt. hyd. blade; 4 wheel box trailer with lift; 4 wheel bale trailer, rebuilt; 3 pt. track scratcher; cattle oiler; Peerless hammer mill; loading chute; IH #10 auger wagon; old stationary baler; JD 25A 3 pt. field sprayer; L shape fuel tank & pump; Ammco 502 tire machine; Puma 60 gal. air compressor; Carolina shop press; lg. anvil; bolt bin; fuel tank & stand; bulk bin; DG6NR 60lh silent diesel generator; Lincoln welder; torch & cart; Poulan Pro 8.5 hp rear tine tiller; Craftsman 10" radial arm saw; 10' table saw; chainsaws; T-posts; push mower; shovels; forks; Fimco yard sprayer; JD space heater; pressure washer; roto bin; Farmhand bale forks; portable cable panels & chains; tires & wheels; battery chargers; wrenches; Ryobi chop saw; gates & boomers.

GUNS, TOYS & COLLECTIBLES

Daisy BB guns; Winchester 912 12 ga.; Winchester 97 12 ga.; Remington Magnum Wingmaster 870 12 ga. vent rib; Marlin 30-30 lever action, Bushnell scope; Remington 700 30-06 bolt action, Leopold scope; Marlin 6079 .22; Mossberg .22 bolt action S/L/LR; Winchester 72A .22 bolt action S/L/LR; Savage 10 243 bolt action, Simmons scope; Diamond Arms Co. 410 single shot; Winchester 70 270 bolt action, Burris scope; 410 single shot; Winchester 70 300 bolt action, Weaver scope; Stevens .22 L single shot; Stevens .22 L crack shot 26 lever action; Winchester 94 30-30 lever action; Victor 16 ga. single shot; Remington .22 pump action hex barrel S/L/LR; Winchester .22 S pump action; Stevens .22 pump action S/L/LR; Harrington Richardson Arms .32 cal; Johnson Arms .38 cal; Colt Army .41; Smith & Wesson .44 cal; Smith & Wesson .32 cal; Smith & Wesson .38 cal; Hawes Fire Arms 215 .22 L; Colt Frontier Scout .22 single action LR; Hopkins & Allens .822 .22 lever action; Stevens 12 ga. S/S; Remington 12 ga. S/S; Belgium Twist 12 ga. S/S; Batavia Leader 12 ga. S/S; toys including: '53 Corvette, 3 - '57 Chev. Bel-Air; JD 6030, 2010, 4020, D, 420, 720, B, 4440, 4450, LA, M, 175th Anniversary 4440, MT, 494 planter, 9750 combine, plows, gum ball machine; Remington ammo boxes; old manuals; pitcher pump; DeKalb clock; mo. A tools; Phillips 66 sign; crock; coin collection; old switchboard; Supersew Feeds sign; cream can; pennant collection; child's Homelite chainsaw; wooden blocks; pocket knives; old baby swing; Coca-Cola cooler; advertising clips; dinner bell; antlers; enamelware; round oak stoves; belt buckles; oil lamps; 2 - saddles; metal cars; egg crate; old tags; & more.

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

# Major shifts in global energy market could spell the end of cheap natural gas

While U.S. natural gas futures prices have fallen sharply in recent months, higher prices and increased volatility could be on the long-term horizon as the energy transition accelerates and European markets respond to recent supply constraints. Rising U.S. exports of liquefied natural gas (LNG), fewer opportunities for fuel-switching between coal and gas and supply chain bottlenecks could all contribute to higher domestic energy costs in the years to come.

According to a new report from CoBank's Knowledge Exchange, growth in U.S. LNG export capacity will lead to an increasing interconnection between previously disconnected markets, creating a situation where events in one market will strongly influence outcomes in others.

"Over the past century, the U.S. has operated as a natural gas island with domestic supply sufficient to

meet the nation's requirements," said Teri Viswanath, lead power, energy and water economist for CoBank. "From a pricing perspective, domestic consumers benefitted from their proximity to natural gas reserves and experienced only brief periods of sustained high prices."

"However, that island effect began to change with the outsized growth of U.S. natural gas production in 2006, with the expanded application of fracking in shale formations," Viswanath said.

The shale production boom ultimately led to the commissioning of LNG export facilities to absorb the excess supply. Today, the U.S. produces almost double the amount of natural gas it did in 2006 and total exports account for one-fifth of that production.

In the next five years, upwards of 90% of gas demand growth could come from LNG exports, with

as much as one-third of U.S. production possibly reserved for international trade. When Russia cut off natural gas to most of Europe last year, it created a supply vacuum that enabled U.S. LNG terminals to form the market equivalent of a land bridge to Europe. That laid the groundwork for greater competition between foreign and domestic markets.

Signs of the interconnection between the U.S. and European markets appeared last year as U.S. natural gas spot prices for delivery near Boston peaked in December

around \$35.00/MMBtu, as Northeast buyers outbid their Asian and European counterparts to sustain a continued flow of LNG imports. While true competition last year was fleeting, Viswanath expects to see greater ties later this decade as the next buildout introduces greater spare capacity to the system.

Over the past three decades, competition between natural gas and coal enabled fuel switching in response to price surges of either resource. However, that competition is fading quickly as coal production declines and the market

impact of electric power fuel-switching has diminished. Structural changes are now driving more pronounced price movements for natural gas.

It is unclear if U.S. natural gas production can ramp up fast enough to meet the simultaneous acceleration of export growth and domestic electric generation. Until recently, fracking has simply not proved a great investment. Many shale operators consistently outspent cash flows, burning through hundreds of billions of dollars to fund the past two decades

of growth. Production rose, but lack of returns sparked an investor exodus that has yet to meaningfully reverse.

"The global supply and demand imbalance that caused last year's natural gas price run up will be revisited several times this decade and play an outsized role in setting domestic prices. Wholesale consumers should revive natural gas hedging programs and incorporate adequate physical supply contracts as a buffer against rising prices," Viswanath said.

# Nebraska farm income projected to rise after falling in 2022

Net farm income in Nebraska for 2022 is projected to have fallen to \$7.2 billion before rising modestly to \$7.3 billion in 2023, according to a report produced by the University of Nebraska-Lincoln's Center for Agricultural Profitability and the University of Missouri's Rural and Farm Finance Policy Analysis Center.

Drought impacts across the state contributed to a reduction in projected net farm income in Nebraska when compared to a forecast produced last fall, before the full extent of drought losses had been realized.

According to Brad Lubben, Extension policy specialist with the Center for Agricultural Profitability and a co-author of the report, Nebraska's ag sector has taken a different path than U.S. agriculture since

2021. "After record farm income in 2021, U.S. farm income projections point to an even higher record for 2022 before falling back in 2023," Lubben said. "Nebraska, on the other hand, took the fall in 2022 due to drought losses and thus may hold relatively steady for 2023, as growing conditions presumably return to normal."

The report projects that crop receipts in the state will decrease by \$1.9 billion this year. Despite a growth in receipts brought on by strong commodity prices in 2022, lower projected prices for most commodities in 2023 are expected to contribute to the decrease in income. Planted corn acres are estimated to rise 5% this year, but lower corn prices are expected to reduce corn receipts by \$1.4 billion. Soybean acres are anticipated to be down 3% this year, and the combination of lower acres and lower prices point to an expected \$400 million fall in soybean receipts. Any linger-

ing drought concerns that could hurt hay and wheat yields in 2023 could also further hurt 2023 farm income prospects.

Livestock receipts in Nebraska are projected to increase by \$300 million in 2023, driven by higher expected cattle and calf receipts, which the report projects to rise by \$506 million. This is despite tight inventories caused by ongoing herd liquidation in the state, which is being offset by higher prices this year. Hog and pig receipts are estimated to decline \$117 million due to weaker prices and less marketing. And lower egg and milk prices are expected to contribute to a combined \$96 million reduction in dairy, poultry and egg receipts.

Total production expenses in the state are forecast to increase only 2% in 2023, following double-digit increases in both 2021 and 2022. Following two years of sharp increases in fertilizer expenses — up to \$791 million in 2022, a 43% increase over 2021 — expenses are ex-

pected to level off in 2023. The same is anticipated for feed expenses, which increased by \$513 million in 2022. Fuel and oil prices are expected to fall modestly this year.

The Nebraska Farm Income Outlook Report is co-published by the Center for Agricultural Profitability and the Rural and Farm Finance Policy Analysis Center (RaFF) at Missouri, which provides objective policy analysis and informs decision-makers on issues affecting farm and rural finances.

"RaFF's state-level insights are critical for decision-makers," RaFF interim director Scott Brown said. "By understanding the factors impacting farm income, and how producers and rural communities are affected, sound decisions on programs and policies can be formed."

More information and the full report are available on the Center for Agricultural Profitability's website, <https://cap.unl.edu/farm-income>.

**FRANCKA LIVE AUCTION**  
(Antiques, Collectibles, Beer Signs, Household, Tools, Primitives)  
**SATURDAY, MAY 6, 2023 - 10:00 AM**  
SELLER: Property of the Late TONY & DIANE FRANCKA  
AUCTION LOCATION: 1452 US Hwy 50, STRONG CITY, KS 66869

**MOWER & OUTDOOR:** Heckendorn Riding Mower (not running); Aluminum V-Bottom Boat; Johnson 6-hp Outboard Motor; Coleman Camp Stove, Lanterns (Red); MEC 600 Jr Reloader; Fishing Poles; Froggin Gigs; Cast Skillet; **BEER SIGNS:** Schlitz Beer Ocean & Farm Red Barn Scene; LA Anheuser-Busch; Schlitz Light; 1981 Coors Light; Budweiser Clock; Bottle Cappers, Openers, Ashtrays; **ANTIQUES:** Large Wood Barrel; Adlake Lock; Santa Fe Brass Tag; Implement Seat Stool; Enamel Top Table; Misc Door Hardware; Antique Tools; Oil, Coffee, Cream Can; Brass Fire Extinguishers; Strong City Rodeo Flyers; Kansas Farmers Union Member Tin Signs; Local Advertising Buttons, Pens/Pencils; **TOOLS:** Large Anvil Marked C; Large Vise; Tool Box; Metal Work Bench; Metal Cubby; Misc Nuts & Bolts; Misc Hand Tools; Simplex Aluminum Jacks; Box Truck Container; **HOUSEHOLD & MISC:** Large Oak Double Sided Desk; Horseshoe Hall Tree & Coat Rack; Vintage Rolling Chairs; Moor Mans Cutting Board; Kitchen Utensils; **Much Much More. Partial listing. See full listing, terms & photos GriffinRealEstateAuction.com**

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Sales/Auctioneer  
Cell: 620-794-8824  
**ANDY PHIPPS, Auctioneer**  
620-794-1673  
In Office: Heidi Maggard, Linda Campbell

**AUCTION**  
**SATURDAY, APRIL 29, 2023 — 10:00 AM**  
577 Trail Road, HERINGTON, KANSAS  
**DIRECTIONS: 3 miles west of Hwy 77 on Hwy 4 to Trail Rd. (2nd sign). South on Trail Rd. 1/4 miles to the auction site on the west side of road. WATCH FOR SIGNS.**

**FURNITURE & APPLIANCES:** Oak secretary; oak corner cabinet, nice; oak dry sink; oak kitchen cabinet; 3 oak dressers & mirrors; blonde oak chest of drawers, dresser & mirror; Lazy Boy recliner; maple dining table & chairs; 4 twin beds; maple dressing mirror; Vision flat screen TV small; loveseat; sofa; 2 full size beds; queen size bed; potato bin; small 4-drawer chest; Gone with the Wind type electric lamp; numerous other lamps; Maytag washer, white, 2 years old; GE dryer, white.

**ANTIQUES & COLLECTIBLES:** Rock Island Lines enamel cup; Rock Island signal lantern & other items; boy scout items; linens, fancywork & afghans; hand done quilts; numerous Bullet pencils; cranberry pcs; Fenton basket; Sooner glass swan; crystal paper weight; anniversary clock; various prints; Dominion metal fan; carnival pcs; pink, amber & green Depression pcs; several sets of dishes; Clip Jr cap pistol; kerosene lamps; Fire King cups & saucers; Schlitz glasses; Porcelier crock coffee pot from 1947; Homes & Edwards silverplate flatware; vintage books; vintage wood baby cradle; America at War coloring book; numerous crocheted clown dolls; small camel back trunk; clarinet; Army 45 iron cap pistol; Dietz No 2 lantern; copper boiler & bucket; numerous chickens; Western Stoneware #2 crock; costume jewelry; McCormick Deering cream separator; cistern pump; hand pump; well cups; cream cans; chicken feeders; Republic Track spike bucket; Delco Light oil can; Monarch Malleable porcelain wood cook stove; oak wall phone, rough; wicker baby stroller & picnic basket; horse collar; cream whip; crock jug; enamel pcs; ice tongs; vintage RR jack; concrete bulldog & other yard art.

**MACHINERY & MISC.:** JD 2 row planter; JD pull type 3 bt. plow; pump jack; 30 plus 8 in. cement blocks.

**BERYLENE BROCKMEIER**

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LUNCH by the Family

**AUCTION**  
**SATURDAY, APRIL 29, 2023 — 9:30 AM**  
Auction will be held in Kenwood Hall at the Saline Co. Expo Center, 900 Greeley, SALINA, KS

**ANTIQUES & COLLECTIBLES**  
Beer advertising inc: neon signs; Bud Light pool table light; Rolling Rock neon; Corona neon; Bud Light neon; Western Auto collection (pictures, many pieces); Smoky Hill Riverfest 1982 Flord block print 49 of 400; Salina collectibles; The lowa fire plug; flanged Public Telephone sign; thermometers; Marlboro clock; cigarette signs; Mobil gas sign; Economy Oil Salina, Mobil Grease, Skelly & Mobil & other oil cans; David Bradley cream separator oil; Seelye's bottles; tins inc: Lee Spice tins; Summer Girl Coffee; cap guns inc: Roy Rogers, Hopalong Cassidy, many other; Roy Rogers items; Hopalong Cassidy items; Royal Crown Cola Sign; Robinson Mill Flour sack; 1938 Durant Grocery Brookville calendar; BB guns; swords; pocket knives; harmonicas; Indian drum; Indian pipes & stones; Kansas car tags 1916-1975; many other car tags; US Army mail bag; Police, Army & German hats; oak wall telephone; 1946 Salina telephone book; many sports items many autographed inc: KU John Hill Riverfest 1982 Flord block print 49 of 400; Salina collectibles; The lowa fire plug; flanged Public Telephone sign; thermometers; Marlboro clock; cigarette signs; Mobil gas sign; Economy Oil Salina, Mobil Grease, Skelly & Mobil & other oil cans; David Bradley cream separator oil; Seelye's bottles; tins inc: Lee Spice tins; Summer Girl Coffee; cap guns inc: Roy Rogers, Hopalong Cassidy, many other; Roy Rogers items; Hopalong Cassidy items; Royal Crown Cola Sign; Robinson Mill Flour sack; 1938 Durant Grocery Brookville calendar; BB guns; swords; pocket knives; harmonicas; Indian drum; Indian pipes & Exchange, others); acoustical guitars (Castillia, Ventura, Orlando model 334); Fire Captain's helmets; fish mount; several other mounts; skull; horns; brass cannon; marbles; peanut machines; Longaberger baskets; wooden boxes; railroad sign; deer mount; Coca Cola bottle thermometer; Coke tray; police badges; many toys; Kiraqu bamboo fishing rod; fishing reels & poles; tackle double parking meter; Madd magazines; large collection of other items; **COINS inc:** steel pennies; wheat pennies; large collection pennies; double date 1942 dime & 1950 penny; 1892 dime; 2008 & 2009 proof sets; Jefferson nickel book; buffalo nickels; Hawaii red seal paper dollar; \$2 bills; German coins, foreign paper money; many coins; tokens inc: Brookville, Lindquist Brookville; 3 cent Thomas Edison stamps.

**NOTE: This is a very large private collection. Cash, checks and credit/debit cards accepted as forms of payment. A 2% convenience fee will be added to credit/debit card transactions. Check website for pictures [www.thummelauction.com](http://www.thummelauction.com)**  
Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067

**AUCTION**  
**SATURDAY, MAY 6, 2023 — 10:00 AM**  
Auction will be held at the farm located at 1428 NE 140 Ave., CLAFLIN, KANSAS. 1/2 mile East of Claflin on Hwy. 4 then 3 1/2 miles North on NE 140 Road or from North East corner of Holyrood Hwy. 156 & Ave T, go West 4 miles to 1st road, then South 1 mile to NE 150 Road then West 2 miles to 140 Ave. then 3/4 South to farm.

**TRACTORS, TRUCKS & TRAILERS**  
1989 John Deere 4755 diesel tractor, 3 pt. fast hitch, duals, 12,260 hrs.; 1977 John Deere 4430 diesel tractor, 3 pt, w/ Farmhand 258 loader, bucket & grapple; 1966 John Deere 4020 diesel tractor w/Leon loader bucket, powershift, has not ran for 5 years; 1956 John Deere 70 propane tractor w/ Schwartz front end; front pedestal for 70; John Deere 45 combine 12' header w/alfalfa head; 2001 Chevrolet Silverado 2500HD ext. cab, 4 wheel drive 216,470 miles; 1997 Ford F250 flatbed truck, 4 sp, 8 cy, 157,470 miles; hyd bale spear; pickup fuel tank; 1974 Ford F600 truck 16' steel bed w/hoist, 8 cy, 4 sp, 2 sp, radio, metal box, 23,454 miles; 1958 Ford F600 truck 13 1/2' bed w/hoist, 292 engine 4 sp, 2 sp, 38,235 miles; 1949 GMC 5 window cab truck 8' bed w/hoist; 50's pickup front clip, cab, motor & bed; 1981 Chev. 1 ton flatbed, 454 engine, 5 speed, doesn't run; 2015 Titan gooseneck 7'x24' covered stock trailer w/2 gates; 1986 Gooseneck 8'x26' metal flatbed trailer w/side extensions; 7'x12' tandem axle trailer w/ramp; shop built 22' header trailer; tandem axle swather trailer; 2 swather trailers.

**MACHINERY & CATTLE EQUIP.**  
2004 Silencer squeeze chute w/ yoke carrier, scales & gas motor; 19 Winkle 12' panels w/trailer; squeeze chute; John Deere 235 tandem disc 20'; Baker 6100 field cultivator 22'; Flex King 2701 V blade 15'; Krause 12' chisel; John Deere 8350 grain drill 20-8 w/fertilizer; 1973 John Deere 336 square twine baler; Farmhand 8 bale accumulator; Farmhand 8 bale clamp; John Deere 2280 diesel swather 14' header; John Deere 535 round baler; Kelderman 5082 10 wheel rake; John Deere 894A side delivery rake; Big-Bee 3 sp. 8' mower; John Deere 4 & 5 bottom pull type plows; John Deere 3 pt. 4-bottom plow; John Deere 23' bale elevator w/elec. motor; 3 pt. 6' rear blade; 3 pt. big bale mover; 3 pt. post hole digger; John Deere 12' tandem disc; John Deere L manure spreader; Bazooka 6"x24" auger w/8hp gas eng; John Deere 18"x33" PTO grain elevator; John Deere Van Brunt 16-8 steel wheel drill; John Deere 8' one way; Clipper seed cleaner; 3 pt. quick tach; 4 black round bottom bunks; 7' & 10' cattle panels; 8' poly tank; 350 gal poly cattle water tank; round bale feeder; steel feed bunks; 2 wheel combine bin trailer; cement mixer on wheels; Dump rake; grain fill augers; road drag; JD steel wheel drill; MH oneway; Case drill; Grass-

hopper 725KT front deck mower 52" deck.  
**TOOLS, ANTIQUES & HOUSEHOLD**  
Oak dining table w/8 chairs; curio cabinet; oak highboy w/mirror; sofa & chair; recliner; pitcher & bowl stand; coffee & end tables; oak library table; full bed; Freeze Master 22 cu chest freezer; Kelvinator 18 cu upright freezer; 50s chrome table & chairs; student desk; office desk & chair; Xerox printer; HP printer; 2-4 drawer file cabinets; fishing pole cabinet; oak bookshelf; toy box; roaster; cookware; Rainbo sweeper; Disney books; Improved Hocking Valley wood corn sheller; Copper Clad wood burning cook stove; Firestone sign base; 24" church bell; store scale; lard press; well pump; pump handles; windmill tower; Case tractor umbrella; wash tubs; 5 gal cans; Nourse oil can; yard fence; iron wheels; yard gates; milk buckets; egg baskets; **GUNS:** Winchester 12 ga. Model 97; Stevens 410; muzzle loader; Coast To Coast rear tiller; EZ Go 2 speed gas golf cart; asst. of hand tools sockets, wrenches; C-clamps; other tools; power washer; battery charger; post drill; lathe; Walker Turner table saw; chicken equip.; hedge post; telephone poles; railroad ties; 300 gal fuel barrels; asst. iron.

**NOTE: The Lank's are retiring & moving. Check our website for pictures [www.thummelauction.com](http://www.thummelauction.com)**  
**TERRY & DARLENE LANK**  
Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067

**AUCTION**  
**SUNDAY, APRIL 30, 2023 — 11:00 AM**  
Auction will be held in Kenwood Hall at the Saline Co. Expo Center, 900 Greeley SALINA, KS

**GUNS: Sell at 11:00 a.m.**  
1. Savage over/under 20ga., 22win mag engraving on receiver; 2. SKS 7.62 x 39 Norinco China Pully USA; 3. Western Field M550 ED 410 pump; 4. Ruger 243 Win bolt 3.9x32 Armsport 200 pc scope; 5. 12ga double barrel side by side; 6. 12 ga double barrel side by side Hercules Montgomery Ward pat April 20, 1915; 7. Remington 7mm single shot w/reloading supplies pat. Oct 20, 1803; 8. AI3102 12 ga pump Marlin; 9. 22-410 over/under Savage; 10. Winchester 22 Win Mag RF mod-el 275 pump; 11. 22-410 over under Savage; 12. 303 British Enfield; 13. JC Higgins 22 single shot bolt model 103.8; 14. Mossberg model 540 KA 22 mag WMR bolt Weaver scope; 15. Hamilton 22 single shot; 16. Stevens 22 crack shot #28 lever; 17. Stevens 22 long rifle single shot Favorite model 1914; 18. Stevens 22 Little Scout 14 1/2; 19. Stevens 22 Little Scout 14 1/2; 20. Remington 22 single shot; 21. Intrade 9MM model AB10; 22. Remington model 550 long rifle in org box; 23. Coast To Coast pump 20 ga. 2 1/4 x 3 660; 24. Savage 22 model 340 bolt w/scope 3.9 x 32; 26. Winchester model 9422M 22 Win mag lever action; 27. Marlin model 1894 44 Rem lever action; 28. M1 US rifle Springfield Armory Cal 30 M 1; 29. Western Field model 894 22 long rifle; 30. Browning 22 lever; 31. 12 ga over under Forbbriaca Bresciane Arm Savage model 440A Brasica Italy; 32. Hawes Firearms cap & ball 36 cal Navy made in Italy; 33. Pepperbox 22 short, long Italy; 34. Hi Standard 22 cal model 101 derring in org box; 35. Haven Arms Industry 25 cal semi model 25 made in US; 36. Ruger 22 Single Six 9" barrel; 37. Hi Point model 995 9mm semi; 38. Ruger 357 Blackhawk 6 shot; 39. Power Master 700 BB 177 pellet; assortment of ammo & reloading; 6 knives. **This is a private collection. After we sell the guns we will sell the following.**

**12:00 NOON: CLOCKS, COLLECTIBLES & TOOLS**  
**German clocks inc:** 1 day Kieninger grandfather; Mission grandfather clock; wall clocks; cuckoo clocks; oak corner base cabinet; "Lady Victory" Ft Riley Raphael J. Fontenot 99/500; James Dietz Huertgen Forest Patrol; Paul Fairley bronze "Pam"; Eagle collection "Moigntez"; 2 Georges DeLodzia, Mountain Majesty Jerry Clina, Meal Time Recus DD Edwards, Wings of Liberty Michel Arlen Boyett; Fountain Creek metal elk; **Pictures inc:** "Well Never Forget"; Kaiser porcelain horses; Aladdin lamp from caboose; German steins & mugs; German violin; pictures inc: Ducks Unlimited Guardian; 3 K State Bill Snyder & team auto; Army hats; toy German tanks; **Books:** 1940 German Wehrmachtberlichte; 1945 German occupational photo album; many good German books; Dick Seitz signed books; many military & President books; WWII books, papers & war rations; records; original Wilson political poster from YMCA in Washington DC; collector plates; beer glass collection; assortment of other items; **Tools:** Craftsman 26" snow blower; Lawnboy mower; Ridgid cutoff saw; Makita drill; Makita saws; table saw; router table; nail guns; Dewalt battery saw; wrenches; sockets; saws; come a long; shop vac; yard tools.  
**ELECTRIC SLOT MACHINE**

**NOTE: We will sell the local gun collection at 11:00. We will sell the Trygg collection at 12:00. The Trygg's have a nice collection of clocks, military & German books. Check our web site for pictures at [www.thummelauction.com](http://www.thummelauction.com)**  
**JOHN & GAYLE TRYGG COLLECTION**  
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, on-line and in-person. [www.kansasauctions.net/gg/](http://www.kansasauctions.net/gg/) Spring 2023 Auctions Online: Go to dlwebb.com to view & bid. Auctioneers: Webb & Associates, Auctioneers & Appraisers, Dave Webb.

Online Only Auction (bidding opens April 20, 8 am with closing April 26, 8 pm) — Farm Machinery, household, lots of kitchen & farm primitives, antiques, Farmall M, 2012 Nissan Versa, pool table, Hesston Belt buckles, youth & adult saddles & more for Steve & Lareta Olson (Marquette). Held online at [hollingerauction.hibid.com/auctions/current](http://hollingerauction.hibid.com/auctions/current). Auctioneers: Hollinger Online Auction.

Online Land Auction (bidding ends April 26) — 158 acres m/l Farmland in Ellsworth County selling for Rosa Jean Reed. Online bidding at [www.WiensAuction.com](http://www.WiensAuction.com). Auctioneers: Wiens Auction/Realty, LLC., Jeremy Wiens.

April 25 — Butler County Land auction consisting 2,467 Acres, 10 Tracts. T1: 155.2 ac. tillable, creek, trees, cabin; T2: 15.6 ac.; T3: 1128 ac. Flint Hills pasture; T4: 160 ac. creek, pasture, tillable, home; T5: 120 ac. pasture; T6: 73.8 ac. tillable farm ground; T7: 114.2 ac. pasture, ponds & building; T8: 78.2 ac. pasture, ponds, timber; T9: 312.9 ac. pasture & ponds; T10: 309.2 ac. tillable & pasture. Held live at El Dorado for Michael R. Young Revocable Trust. Online bidding: [www.Sundgren.com](http://www.Sundgren.com). Auctioneers: Sundgren Realty, Inc., Land Brokers.

April 27 — Special Cow/Calf, Bred Cow Sale selling 1st calf families & bred heifers, cow/calf families, bred cows, Mark Wolken Braunvieh reduction offering & more held at Beatrice, Nebraska. Auctioneers: Beatrice Livestock Sales.

April 28 — Land Auction consisting of 314 acres m/l (a half-section) of Native Grass with 3 ponds located SE of White City and held at White City for Ernest & Karen Augustin. Auctioneers: Homestead Real Estate, Gail Hauserman.

April 29 — Oak furniture & other furniture & appliances, antiques & collectibles including Rock Island items, hand done quilts, glassware, machinery (planter, plow) & miscellaneous held near Herington for Berylne Brockmeier. Auctioneers: Hallgren Real Estate & Auctions, LLC.

April 29 — Warehouse auction: contents of an 11,000 sq. ft. warehouse full of new lumber, tools, 2 large evaporator shop coolers, snowblower, ladders, push mowers, metal signs, Christmas decor, antiques, furniture & more held at Salina. Auctioneers: Wilson Realty & Auction.

April 29 — Gun auction consisting of over 200 lots including Lots of rifles & shotguns; muzzle loaders, pistols, BB guns & more, lots of ammunition held at the North edge of Scott City for Robert Scheib. Auctioneers: Berning Auction, Inc.

April 29 — Siemens retirement auction including trucks (1976 Ford L700 grain truck, 1996 Ranger), Tractors (MF 2705, MF 90, MH 444, MH 44, MH 30), Polaris Trail Boss 325

ATV, farm equipment, farm & ranch supplies, shop tools & misc., household & collectibles held near Buhler for Larry & Deanna Siemens. Auctioneers: Morris Yoder Auctions.

April 29 — B&S Live On-site Consignment auction consisting of 75-100 tractors including JD, Case IH, International, New Holland, Ford, Kubota, Massey Ferguson, McCormick, White, Agco, Allis Chalmers & more, combines, headers, harvest, platforms, draper, construction, excavators, skid steers, backhoes, loaders, dozers, other construction, planters, drills, seed tenders, drills, seed tenders, manure spreaders, applicators, forage & feeding equip., grinder mixers, mills, grain carts, grain handling, hay equip., balers, mowers, tedders, rakes, 3 pt. equip., brush cutters, finish mower, cattle equip., disks, vertical tillage, field cultivators, vehicles, ATVs, lawn mowers, grain trucks, trailers, semi, boat, motorcycle, skid loader attach. & much more held live at Gallatin, Missouri with online bidding available at [equipmentfacts.com](http://equipmentfacts.com). Auctioneers: B&S Equipment Auctions.

April 29 — Personal property auction consisting of approx. 200 lots of various coins, jewelry, yard, tools & outside items (Cub Cadet mower & more), furniture, appliances, antiques & collectibles & miscellaneous held at Louisville. Auctioneers: Crossroads Real Estate & Auction, LLC.

April 29 — Farm auction including a Large Collection of Antique Tractors, parts, Antique implements & truck, shop tools, antiques & more held at Lincolnville for Mark Smith. Auctioneers: Griffin Real Estate & Auction.

April 29 — Vehicles (2002 Jeep Wrangler, 2002 Chevy pickup, IH Loadstar 1600 & others), Tractors (1950 JD D, 1952 JD 60 NF, 1937 JD B), Farm Machinery, Guns (Daisy BB guns, Winchester 1912, Remington Magnum Wingmaster, Colt, Stevens, Smith & Wesson & more), toys & collectibles held near Benton for Denny & Carolyn Hill. Auctioneers: Van Schmidt Auction.

April 29 — Large auction selling 2 older pickups, 18' tandem axle trailer, vintage lawn & garden tractors, old car-related items, lots of antiques & collectibles, antique furniture, antique tools, other tools, household, fishing equip. & lots more held at Le Roy for Earnie & Pat Price. Auctioneers: Kurtz Auction & Realty Service.

April 29 — Coin auction held at Emporia. Auctioneers: Swift-n-Sure Auctions & Real Estate.

April 29 — Vehicles, lawn, mechanic & carpenter tools, antiques & household, guns & hunting & more held at Belleville for Marvin McDill Estate. Auctioneers: Novak Bros. & Gieber.

April 29 — Antiques & collectibles inc.: beer advertising (neon signs, pool table light & more), Western Auto collection, Salina collectibles, lots of signs, tins, cap guns, pocket knives, car tags, sports items autographed, large collection old & new baseball & football cards, marbles, coins & much more held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

April 29 — Toy Tractor auction selling approx. 170 1/16th scale Toy Tractors (new in box) inc. JD, International, Farmall, Case, Oliver, Ford & others; also AGRI King ped-

al tractor, cast vehicles & more held at Beattie for Ron Kampfer. Auctioneers: Olmsted & Sandstrom.

April 30 — JD 670 diesel tractor, rotary mower, blades, bumper pull flatbed, Bombadier Quad, chain saws, pole saw, floor jacks, bench drill press, furniture, appliances, pellet comp. grill, good selection of shop tools & household held at Osage City for David Stokes. Auctioneers: Wischropp Auctions.

April 30 — Guns including Savage, SKS, Marlin, Stevens, Winchester, Ruger & more, ammo & reloading, knives, Clocks inc. German, grandfathers, wall, cuckoo, collectibles, tools, electric slot machine & more held at Salina for John & Gayle Trygg Collection. Auctioneers: Thummel Real Estate & Auction, LLC.

May 1 (Monday) — Farm Equipment auction including Tractors (Ferguson, JD 4630, Int. 960, Massey Harris 44), John Deere 9610 Maximizer combine, trucks & pickups (from 1952-2003), Farm Machinery, trailers, boat, lots of tools, collectibles & misc. held at Portis for Carroll "Pete" & Elizabeth Pletcher. Auctioneers: Wolters Auction & Realty.

May 1 (Monday) — Real Estate Auction consisting of 130 Acres m/l diversified farm with 54 ac. m/l tillable and 70 ac. m/l hayable, balance draws, trees & small pond held Live at Osage City for Lundgren Farm Trust. Online bidding available: [www.Superiorlandgroup.hibid.com](http://www.Superiorlandgroup.hibid.com). Auctioneers: Superior Real Estate (info at [wischroppauctions.com](http://wischroppauctions.com)).

May 2 — Land Auction consisting of 1,200 acres m/l cropland, grass, CRP & producing minerals in Russell County sold in 6 Tracts: T1: 124.87 ac. crop, 105.84 m/l ac. grass, 69.47 ac. CRP; T2: 130.40 ac. crop & 95.68 ac. m/l grass; T3: 345.71 ac. cropland & 191.26 ac. m/l grass; T4: 19.17 ac. crop & 59.38 ac. m/l grass; T5: approx. .78 ac. w/bldg.; T6: 1/3 of producing minerals on Tracts 3 & 4 held live at Russell for Ehrlich Farms. Online & phone bidding available: [www.farmandranch.com](http://www.farmandranch.com). Auctioneers: Farm & Ranch Realty, Inc.

May 6 — Live Auction consisting of Antiques, collectibles, Beer signs, household, tools, primitives, mower & outdoor items & more held at Strong City for property of the Late Tony & Diane Francka. Auctioneers: Griffin Real Estate & Auction.

May 6 — Motorcycle, lawn mowers, 4-Wheeler, trailers, furniture, antiques, household, lawn & garden, tools & outdoor items & more held at Wamego. Auctioneers: Morgan Riat Auctions with Foundation Realty.

May 6 — Huge Coin, Silver & Jewelry auction: 400 Lots. Coins & Silver inc. unique & rare individual coins, coin book collections of rare coins, graded & unc. coins, bulk 90% silver coins, misc. bulk silver items, proof sets, silverware. Jewelry (mens & womens) inc. Squash Blooms, sterling & gold necklaces, bracelets & rings, diamond jewelry, Murano, lots of Turquoise held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

May 6 — Real Estate: 40-acre farm with all improvements, wooded & pasture; vehicles (1947

Ford TK grain truck, 1950 IH grain truck, 1951 Chevy car, 1999 Isuzu box truck), aircrafts & aviation supplies (Baby Ace airplane, Road Runner airplane & more), farm equipment, fabricating & shop tools, farm, ranch & garden supplies, household & collectibles held at Hutchinson for the Max Liby Estate. Auctioneers: Morris Yoder Auction.

May 6 — 1946 Ford 3/4 ton pickup, 1947 Ford 8N tractor, 2011 Jayco Jay Flight Swift camper, shop items & furniture & more held at Halstead for Marlo & Wilda Becker. Auctioneers: Van Schmidt Auction.

May 6 — Tractors (Ford 861 high crop, JD H, MH 44), skid steer, trailers & machinery, 1990 Ford F150 pickup, 2001 Yamaha V-Star Classic motorcycle, antiques, collectibles, guns, shop, livestock, garden, misc., salvage (1957 Ford grain truck, 91 Nissan Sentra, 2 JD 55 combines, 2 McCormick combines & other salvage) held near Hope for Juanita (Mrs. Gordon) Ryff. Auctioneers: Lepke Realty & Auction.

May 6 — Attleson Estate Auction #1 or 2 including fine china sets, stoneware crocks & jugs, glassware, sheet music, silverware sets, jewelry, watches, dolls, tools, musical instruments, pictures, paintings, records, BB guns, train set, rock collection, toys, games, Bethany & Lindsborg items, cast iron, stereos, furniture, trunks, appliances, tie collection & much more held at Lindsborg. Auctioneers: Lazy J Auctions.

May 6 — Landgren Auction including AC 800 Work-Master tractor, JD 606 rotary mower, Complete set 1913-1972 Kansas license plates & several thousand vintage singles, artwork, collectible cast iron toys & banks, advertising items, antique radios, nice antiques & collectibles including furniture, appliances, yard & hand tools, quilts & much more held at Lindsborg. Auctioneers: Wilson Realty & Auction.

May 6 — Tractors inc. 1989 JD 4755, 1977 JD 4430, 1966 JD 4020, 1956 JD 70; JD 45 combine, trucks, trailers, machinery & cattle equipment, tools, antiques, household & more held near Clafin for Terry & Darlene Lank. Auctioneers: Thummel Real Estate & Auction, LLC.

May 6 — Machinery inc. 2003 JD 5303, 1943 AC C (restored), Hustler zero-turn HD mower, 2013 Kubota RTV500, chipper shredder, Lincoln Electric Ranger 10,000 plus gas port. welder/generator (32 hrs), Guns: (RR BB gun, Daisy 35 pellet gun, shotgun & rifle), tools, primitives, lightning rod w/globe & weather vane, anvils, furniture, antiques, airplane motors, train & more held near Salina for Ron & Loeda Gross. Auctioneers: Baxa Auctions, LLC.

May 6 — Pottawatomie County Public Works Surplus Materials Auction selling I-beams, steel pipe, portable cattle panels, wooden pallets, steel barrels, hedge posts, guardrails, metal gate, cabinet & more held at Westmoreland.

May 7 — 2000 Four Winns Horizon 210 V bottom boat & trailer, antiques, household & tools held at Bloomington (west of Osborne) for Raymond & Karen Foster Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

May 9 — Real Estate auction consisting of 2-bedroom, 1-bath home (just south of Wamego in Wabunsee) on a little over a half acre lot, detached garage held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

May 11 — 30 Cars & Trucks (1960s Chevy Corvair, 1940s & 50s Dodge cars, 1950s Studebaker & more; none run), camper, boat, semi trailers, car parts & more; real estate consisting of approx. 8 acres with buildings on the land held near Mankato for Warren L. Heinen Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

May 12 — Absolute Land Auction consisting of 397.02 acres m/l of Lincoln County land sold in 2 Tracts held live at Lincoln with online bidding available at [RanchandFarmAuctions.com](http://RanchandFarmAuctions.com). Auctioneers: Ranch & Farm Auctions in cooperation with Whitetail Properties Real Estate, LLC.

May 13 — 2006 Buick LaCrosse (80K actual miles), 1997 Silverado crew cab, 6x10 Carry-On trailer, lawn & garden equipment, appliances & household, hospital bed, C-PAP & health equipment, Janome embroidery machine, collectibles, lots of tools & misc. (a lot of items in like new condition) held at Madison for Walstrom & Evans Estate. Auctioneers: Kurtz Auction & Realty Service, Darwin Kurtz.

May 13 — Attleson Estate Auction #2 including Original KU items signed by Roy Williams (flooring, basketball & poster), other KU items, vintage dolls, quilts & supplies, golf clubs, clocks, glassware, silverware, BB gun, sewing machines, furniture, paintings by Birger Sandzen, Maleta Forsberg, Eldon Swenson, Marcella Oaks & other local artists & many other items held at Lindsborg. Auctioneers: Lazy J Auctions.

May 13 — Vehicles (1968 Ford Mustang, 1951 Kaiser, 2001 Ford Taurus), 8N Ford tractor, motor home, 1969 Chevy Custom pickup, tools & lots more held at Salina for Lorraine Albers Trust. Auctioneers: Thummel Real Estate & Auction, LLC.

May 13 — Approximately 23 guns, 90+ knives, assorted ammunition, Kubota zero turn mower, Kubota RTV900, NH 2120, gun safe, tools, antique woodworking tools, yard tools antique furniture & much more held at Abilene for Mike & Theresa Brierton Estate. Auctioneers: Wilson Realty & Auction.

May 16 — Real Estate auction selling a 2BR, 1BA & 1 unfinished BA home with 3+/- acres located at Tuttle Creek Lake with updates held at Manhattan. Auctioneers: Crossroads Real Estate & Auction, LLC.

May 20 — Antiques, furniture, tools, household & more held at Manhattan for Patzell Family Trust. Auctioneers: Morgan Riat Auctions with Foundation Realty.

May 20 — Motorcycle Shop Liquidation Auction inc.: 1953 Studebaker Commander, 1954 Horex Regina 400, 2013 Can-Am Spider, lots of new parts inventory for motorcycles, motorcycle trailer, ramp, Harley parts motorcycles, specialty tools of all kinds, common tools, equipment (Handy cycle table lift, Hand Arbor press w/stand, milling machine & tools, tire

machine, plasma cutter, hydraulic lift table & more) & miscellaneous held at Louisville for American Air Cooled Motors. Auctioneers: Crossroads Real Estate & Auction, LLC.

May 20 — Downsizing auction consisting of 1956 Ford Mainline 4-door automobile, garaged, 56K original miles with title, antiques & collectibles, large amount of Hot Wheels toys (NIB), comic books, household & misc., 4 African masks & more held at Burlington for Arthur Settlemeyer. Auctioneers: Kurtz Realty & Auction Service, Darwin Kurtz.

May 20 — Consignment Auction consisting of tractors, equipment, trucks, cars, trailers, boats, ATVs, cattle equipment, tools, farm related items & misc. (no household) held at Leon. Auctioneers: Wedel Auction & Real Estate.

May 20 — Estate auction consisting of 200+ swords & knives (Kukri, daggers, tactical, hunting, custom, etc.), throwing axes, new ammunition & much more held at Lawrence for Private Rural Baldwin City seller. Auctioneers: Elston Auctions.

May 23 — Real Estate Auction selling in multiple tracts: T1 & T2: 23 ac. m/l building site each; T3: 15 ac. m/l with 4BR, 3BA home, multiple out-buildings; T4: 33 ac. m/l primarily farm ground with building potential; T5: 10 ac. m/l; T6: 47 ac. m/l of recreational paradise; T7: Tracts 1-6 combined (151 acres) held at St. George for Thomas C. & Betty J. Duncan Trust. Auctioneers: Crossroads Real Estate & Auction, LLC.

June 3 — Public auction consisting of GMC Yukon, skid steer, MAC & Snap-On tools, woodworking tools, gas engine, model airplanes & much more held at Winchester. Auctioneers: Elston Auctions.

June 10 — Vehicles, campers, ATV, trailers, boats, tractors, machinery, tools, household & antiques held North of Cuba for Sharil (Heina) Havel Estate. Auctioneers: Novak Bros. & Gieber.

June 10 — Zero turn mower, equipment, tools, collectibles & miscellaneous held at Linwood for Dave & Julie Downes. Auctioneers: Elston Auctions.

June 17 — Liquidation/Retirement auction for a cabinet making shop held at Lawrence. Auctioneers: Elston Auctions.

June 23 — Friday evening public auction held at Lawrence. Auctioneers: Elston Auctions.

June 24 — Sellmeyer Farms Huge farm equipment liquidation auction including tractors, balers, mowers, loaders, planters, plows, rakes, grain bins, antiques & collectibles, household, lumber, fencing, tools, stock trailer, vintage cars & trucks, metal salvage & so much more held at Af-ton, Oklahoma. Auctioneers: BA Rigby Auctions.

July 8 — Public auction held at Lecompton for Carolyn Wulfkuhle. Auctioneers: Elston Auctions.

## \*\*PERSONAL PROPERTY AUCTION\*\*

**SATURDAY, APRIL 29, 2023 \* 10:00 AM**  
(Coins sell at 11:30)

AUCTION LOCATION: Louisville Gym, LOUISVILLE, KANSAS

**COINS & JEWELRY (Sell @ ~11:30):** Approximately 200 Lots of various coins featuring Morgan dollars, Peace dollars, Eisenhower dollars, Franklin half dollars, Indian head pennies, Wheat pennies and plenty of various silver items and collectible coins. *Other items:* Various collectible \$2 bills; foreign currency and coins (several different countries); proof sets of US, Canada and others; LA Raiders bracelet and ring & **much more!** *Full item list on our website!*

**YARD, TOOLS & OUTSIDE ITEMS:** Cub Cadet mower (LT1050, 23 HP, 50" cut); Huffy bicycle built for 2; Homelite chainsaw; Worx blower; extension ladder, step stool; battery charger; pancake air compressor; hand & garden tools; ext. cords; circular saw; drill, fishing tackle box; bird feeders; lawn chair rockers.

**FURNITURE & APPLIANCES:** Curved glass China cabinets w/claw feet; secretary/China cabinet (old); dresser w/marble top, glove drawers, shelves & mirror (very old); sq. table w/twisted legs; cane bot-

tom chair; cane bottom & back rocker; 3 & 5 drawer chests; child's rocker; 50's small drop leaf table; 1/2 round table; ornate end table & others; round table; recliner; cedar chest; port. wood kitchen cart; miniature cabinets; wood straight chairs; tater box; microwave; sm. chest freezer; sm. kitchen appliances; pole lamp; Sharp stereo; fans; vacuum.

**ANTIQUES & COLLECTIBLES:** Large number of knives; belt buckles; mantel clock w/key; reg. clock; cast iron skillets & trivets; wood crate; Fairmont Foods creamer; copper boiler; license plates; old canes; sad irons; old wood doors; kerosene lamp; chalk figurines; framed items (Hallmark Dolls of the Nations, plar of Louisville, military picture, Conservation Corp stamps and others); shadow box displays; Dr. Pepper Desert Storm bottle; dolls and figurines; oriental dolls; Hummels; Franklin Mint bird plates; HP plates.

**MISC:** Coin & knife books; lots of Christmas items; Hallmark ornaments; sewing items; kitchen items; Pyrex & more!

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ANDREW SYLVESTER, Auctioneer/Realtor, 785-456-4352



BILL DISBERGER,  
Auction Coordinator/  
Associate Broker, 620-921-5642  
TERRI HOLLENBECK,  
Broker/Owner, 785-223-2947



SCAN ME

## FARM AUCTION

(Large Collection of Antique Tractors, Parts, Implements, Shop Tools, Antiques)

**SATURDAY, APRIL 29, 2023 - 10:00 AM**  
**SELLER: Property of MARK SMITH**

AUCTION LOCATION: 2970 290th, LINCOLNVILLE, KS 66858

**TRACTORS:** John Deere A; John Deere D; John Deere B; John Deere 4020 w/Cab, 6,296-hrs, Very Clean; John Deere 4020 Row Crop, 7,360-hrs; John Deere 24T Square Baler; Chisel 10'; John Deere 830 Swather 14' Header; International Farmall 350 w/GB Loader, 8,028-hrs; Farmall M; International Farmall H w/Loader; IH McCormick W-9; John Deere LA (Mostly There); McCormick Deering IH F-12; McCormick Farmall 460, 6,175-hrs; International Harvester F20 (Runs); John Deere 110 Lawn Tractor; **ANTIQUE IMPLEMENTS & TRUCK:** 1.5 HP McCormick Deering Hit & Miss Motor, very nice; 35+ Plows 1,2,3, 4 Bottom (John Deere, Moline, P&O, International, Case, Massey Ferguson); 1950s IH A130 Tractor; Van Brunt Seed Drills x3; John Deere Manure Spreader x3; Tons of Steel Implement Wheels; Lots of Tractor & Implement Parts; JD End Gate Seeder, rare; **ANTIQUES:** Hay Trolley x2 & Track; Antique Buckboard; Ashland Hay Loft Grapple Fork x2; Wooden Hand Dolly; Implement Seats x9; Cast Iron Tractor Seats x4; 1970s John Deere Bicycles; Galvanized Waterer; McCormick Deering Grinding Stone; John Deere Corn Sheller x3; Van Brunt Seed Box with Ends; Flip Down Park Bench; Maytag Washer; Childs Desk; Misc Oil Cans; **Much Much More. Partial listing.**

See full listing, terms & photos [GriffinRealEstateAuction.com](http://GriffinRealEstateAuction.com)



Phone: 620-273-6421 Fax: 620-273-6425

305 Broadway, Cottonwood Falls, KS 66845

[griffinrealestateauction@gmail.com](mailto:griffinrealestateauction@gmail.com)

CHUCK MAGGARD  
Sales/Auctioneer  
Cell: 620-794-8824

620-794-8824

ANDY PHIPPS, Auctioneer

620-794-1673

In Office: Heidi Maggard,  
Linda Campbell

## LIVE ON-SITE CONSIGNMENT AUCTION

**SATURDAY, APRIL 29, 2023 \* 9:00 AM**

**100 Industrial Parkway,  
GALLATIN, MISSOURI 64640**

EXPECTING 650 PIECES, MANY INDIVIDUAL CONSIGNMENTS,  
RETIREMENT, ESTATES, SELLOUTS

Expecting 75-100 Tractors/Loaders Inc.: JD, Case IH, International, NH, Ford, Kubota, MF, McCormick, White, Agco, AC & others, Combines, Headers, Harvest, Platforms, Draper, Construction, Excavators, Skid Steers, Backhoes, Loaders, Dozers, Planters, Drills, Seed Tenders, Drills, Manure Spreaders, Applicators, Forage & Feeding Equip., Grinder/Mixers, Mills, Grain Carts, Grain Handling, Hay Equip., Mowers, Tedders, Rakes, 3 Pt. Equip., Brush Cutters, Cattle Equip., Disks, Vertical Tillage, Field Cultivators, Vehicles, ATVs, Lawn Mowers, Grain Trucks, Trailers, Semis, Boats, Motorcycle, Over 150 Skid Loader Attachments, & MORE!  
Online Bidding Available through [EquipmentFacts.com](http://EquipmentFacts.com)

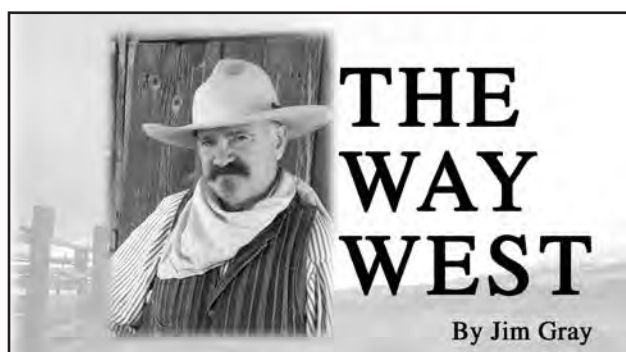
See Last Week's Grass & Grain for listings & check our website.

**BandEquipmentSales.com**

Office: 660-663-3363

Shay: 660-605-0839 \* Justin: 660-605-2346

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## Cutting a Wide Swath

Drury J. Warren moved his family from Arkansas to Grouse Creek south of Silverdale, Kansas, in 1875. He was born in Tennessee and defended the Confederacy as 2nd Sgt. in Company H, 30th Tennessee Infantry Regiment. After the fall of Fort Donelson, Tennessee, in February of 1862, he enlisted in an undisclosed cavalry unit, later finishing out his service in Anderson's Battalion, Arkansas Cavalry. Captured by Union soldiers at Mound City, Kansas, Warren was held as a prisoner-of-war at Alton, Illinois, until released in a prisoner exchange at James River, Virginia.

Warren's new Kansas home was just north of the border with Indian Territory southeast of present-day Arkansas City. His Arkansas connections gave him access to cattle that could be purchased at

low rates and driven overland to his ranch. Having established friendly relations with the Kaw nation Warren was allowed grazing rights on the reservation south of his ranch. In 1880 a band of Big Hill Joe's Osage tribe raided his herd. Warren, with the help of a friend from the Kaw nation, found the remains of thirty-seven slaughtered cattle in an Osage settlement. Their agent promised federal reimbursement for the lost stock. By this time the Arkansas Traveler referred to Warren as "the well-to-do cattleman of Grouse Creek."

While he took advantage of the vast open range on the Kaw reservation his headquarters served as a bountiful farm of five hundred twenty acres. It was considered one of the most valuable farms in Cowley County, producing

corn, potatoes, onions, and "good hogs," among those mentioned by the editor of the Traveler.

By 1883 Warren was a member of the Cherokee Strip Live Stock Association, grazing cattle in the territory on Duck Creek and the Chikaskia River. Life on the range was risky business, and conflicts could turn deadly. Roundups were organized to allow for an orderly exchange of stray cattle that had drifted together on the open range. At the June roundup Warren claimed a steer that John Beach believed to be his. The dispute grew ugly as both men drew knives and proceeded to have a carving match. The June 14, 1883, *Winfield Courier* reported, "Drury had his shoulder and part of the muscle of his left arm cut, but not seriously." Nothing was said pertaining to the final ownership of the steer.

Tragedy visited the Warren family on February 7, 1884, while Mr. Warren was away tending to his growing cattle business. Three-year-old William broke through the ice on Grouse Creek. Eight-year-old Jackson went to his rescue, caught him, but was unable to get out of the water before they were both carried under the ice and drowned. Mrs. Warren almost drowned

with them, but an older daughter was able to pull her out.

By 1884 cattle carrying Warren's "boot" brand were grazing on Sweetwater River in Wyoming Territory. In April of 1885 Warren partnered with Alex Harvey to drive flocks of sheep to Arizona. The Arizona range was also stocked with cattle. In November, 1884, Navajos stole some horses from his outfit resulting in "a small battle" between his herdsman and the Navajos. The paper reported, "Mr. Warren came out victorious."

Three-year-old Gracie died April 2, 1886, and Mrs. Warren was not well, prompting Warren to return from Arizona. Despite the tragedy Warren expanded his cattle interests. By May 8th the *Traveler* reported that Warren had "gone to Texas to go into the stock business."

One would think a man of such great success would have acquired a notable bevy of enemies, and though detractors were known, for the most part Warren's benevolent disposition won him an army of friends. He could easily be described as too trusting. A trip to Texas in 1894 revealed his trusting nature.

While in Texas Warren fell sick and during his recovery he was attended by

a young man who was very attentive to Warren's service. According to a story in the *Traveler*, "Mr. Warren took quite a fancy to the young man and apparently he took quite a "shine" to Drury." The young man, Charles H. Cook, told a sad tale of being alone in the world. He called Warren "father," and was willing to work "as only a dutiful son could." Warren brought Cook back to Kansas and gave him a job. He didn't last two days before he disappeared with Warren's shotgun. Officers found him in Arkansas City preparing to hop a freight out of town.

In Mid-December, 1901, Warren stepped down from his buggy outside his home, slipped and fell, striking his head on a rock. The blow fractured his skull. He lingered for nearly ten days, passing away at 7:55 p.m. December 20, 1901. In his seventy years Warren had cut quite a swath. He only had twenty-six years in Kansas but in that time Drury J. Warren turned a bare piece of Kansas prairie into one of the most successful ranches to be found anywhere on The Way West.

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

## March inflation shows decrease in grocery prices

Lower grocery prices highlighted the March Consumer Price Index, but the annual food inflation rate remains well above the all-items index.

All consumer prices were up five percent compared with last March, the U.S. Bureau of Labor Statistics reported, the smallest 12-month measure since May 2021. The 12-month food inflation measure was pegged at 8.5 percent in March. Grocery prices rose 8.4 percent over the past 12 months, the report said.

Three of the six major grocery store food group indexes decreased from February to March. The index for meats, poultry, fish and eggs decreased by 1.4 percent in March as the index for eggs fell by 10.9 percent. The fruits and vegetables index declined 1.3 percent over the month, and the dairy and related products index decreased 0.1 percent, the report said.

# 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 7,880**

BULLS: \$126.50-\$137.00 * COWS: \$94.50-\$105.00		STEERS	
300-400	\$315.00 - \$325.00	3	Mix
400-500	\$279.00 - \$290.00	6	Mix
500-600	\$262.00 - \$272.50	2	Blk
600-700	\$241.00 - \$253.00	4	Char
700-800	\$210.00 - \$218.00	15	Blk
800-900	\$195.00 - \$206.50	7	Blk
900-1,000	\$183.00 - \$192.50	4	Blk
		25	Blk
		13	Blk
		5	Blk
		8	Blk
		12	Mix
		6	Blk
		11	Mix
		9	Mix
		24	Blk
		17	Mix
		5	Blk
		7	Red
		4	Blk
		10	Blk
		11	Blk
		11	Red
		14	Blk
		10	Blk
		5	Blk
		29	Mix
		12	Blk
		3	Blk
		5	Blk
		10	Red
		7	Mix
		32	Mix
		77	Mix
		8	Mix
		4	Blk
		2	Blk
		23	Mix
		69	Mix
		70	Blk
		58	Blk
		74	Mix
		5	Char
		12	Blk
		20	Mix
		21	Blk
		3	Blk
		36	Mix
		27	Mix
		9	Blk

**THURSDAY, APRIL 20, 2023**

STEERS		HEIFERS	
35	Blk	Beloit	356@ \$325.00
12	Blk	Beloit	273@ \$325.00
25	Blk	Beloit	314@ \$315.00
97	Blk	Beloit	390@ \$311.00
4	Blk	Tampa	383@ \$305.00
9	Blk	Abilene	387@ \$305.00
3	Blk	Falun	370@ \$305.00
4	Blk	Bushton	388@ \$305.00
3	Mix	Kanopolis	283@ \$300.00
4	Red	Haven	311@ \$300.00
2	Bwf	Cheney	383@ \$295.00
51	Mix	Beloit	453@ \$290.00
7	Mix	Kanopolis	391@ \$290.00
6	Blk	Salina	477@ \$290.00
13	Blk	Hays	465@ \$286.00
5	Char	Randolph	373@ \$285.00
8	Blk	Galva	412@ \$285.00
6	Blk	Enterprise	478@ \$280.00
5	Blk	Inman	493@ \$280.00
6	Blk	McPherson	486@ \$280.00
7	Blk	Goff	478@ \$276.00
5	Blk	Abilene	463@ \$275.00
12	Mix	Kanopolis	499@ \$275.00
4	Blk	Falun	470@ \$275.00
11	Mix	Hope	446@ \$275.00
4	Char	Randolph	453@ \$272.50
8	Blk	Tampa	469@ \$272.50
10	Blk	Galva	503@ \$272.50
4	Blk	Cheney	509@ \$268.00
8	Blk	Claflin	540@ \$265.00
4	Blk	Salina	566@ \$265.00
6	Blk	Falun	484@ \$265.00
6	Blk	Abilene	438@ \$265.00
9	Blk	Bushton	516@ \$264.00
2	Mix	Falun	503@ \$262.50
21	Blk	Hays	512@ \$259.00
10	Blk	Durham	578@ \$258.00
21	Mix	Bushton	559@ \$257.50
10	Blk	Tampa	597@ \$256.00
5	Blk	Enterprise	606@ \$253.00
26	Blk	Hays	551@ \$251.00
12	Mix	Hillsboro	526@ \$250.00
9	Blk	Abilene	517@ \$250.00
42	Blk	Inman	576@ \$248.00
11	Blk	Otis	577@ \$246.00
8	Blk	Hillsboro	602@ \$243.00
13	Mix	Glasco	638@ \$237.00
108	Blk	Inman	660@ \$236.00
5	Blk	Longford	611@ \$235.00
10	Blk	Bushton	637@ \$231.00
3	Mix	Lindsborg	612@ \$230.00
83	Blk	Inman	766@ \$218.00
3	Blk	Claflin	742@ \$217.00
39	Mix	Falun	773@ \$213.00
7	Mix	Tampa	781@ \$212.00
66	Blk	Inman	822@ \$206.50
30	Mix	Quinter	807@ \$205.00
62	Mix	Hope	808@ \$205.00
5	Mix	Lorraine	739@ \$205.00
63	Blk	Abilene	878@ \$200.00
55	Mix	Gypsum	849@ \$197.50
22	Blk	Newton	849@ \$196.00
53	Mix	Quinter	908@ \$192.50
60	Blk	Hope	894@ \$192.50
9	Mix	Tampa	942@ \$189.50
6	Blk	Abilene	950@ \$189.00
60	Mix	Falun	897@ \$188.25
32	Blk	Newton	945@ \$184.50
		<b>HEIFERS</b>	
2	Blk	Bushton	303@ \$290.00
3	Mix	Hope	297@ \$280.00
5	Blk	Abilene	361@ \$270.00

**UPCOMING SPECIAL TUESDAY SALES: COW SALE: \* May 2**

**IN STOCK TODAY:**

• Heavy Duty Round Bale Feeders • Heavy Duty Feed Bunks

# Livestock Commission Co., Inc. Salina, KANSAS

**SALE BARN PHONE: 785-825-0211**

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

**THURSDAY — CATTLE ONLY**

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

**AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD**

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

**CATTLE USA.com LIVE CATTLE AUCTIONS**  
**FARMERS & RANCHERS HAS SWITCHED BACK TO Cattle USA.com for our online auctions.**

## SPRING SPECTACULAR HORSE SALE

May 19-20, 2023

7	Bwf	Gypsum	@ \$1,875.00	15	Blk	Sterling	@ \$2,500.00
28	Red	Burr Oak	@ \$1,835.00	6	Bwf	Moundridge	@ \$2,350.00
17	Bwf	Superior, NE	@ \$1,825.00	14	Blk	Marquette	@ \$2,350.00
16	Red	Nebraska	@ \$1,825.00	5	Red	Marquette	@ \$2,325.00
23	Blk	Superior, NE	@ \$1,800.00	4	Blk	Ellinwood	@ \$2,250.00
10	Blk	Wiley	@ \$1,800.00	2	Blk	Moundridge	@ \$2,250.00
17	Red	Superior, NE	@ \$1,735.00	8	Bwf	Salina	@ \$2,200.00
36	Blk	Wiley	@ \$1,725.00	3	Red	Salina	@ \$2,200.00
19	Blk	Hillsboro	@ \$1,725.00	16	Blk	Sterling	@ \$2,075.00
44	Blk	Nebraska	@ \$1,725.00	3	Blk	Gypsum	@ \$2,050.00
		<b>COW PAIRS</b>		4	Blk	Dodge City	@ \$1,950.00
5	Blk	Ellinwood	@ \$2,500.00				

## Early Consignments For THURSDAY, APRIL 27, 10 AM

35 black steers & heifers, 450-600, weaned 30+ days, 2 round vaccinations, poured, open; 60 bwf steers & heifers, 375-525, weaned 45 days, vaccinated, off rye; 150 black heifers (few steers), 700-750, off rye, open; 19 steers & heifers, 400-600, 40 days weaned, 1 round vaccinations, open; 120 black/bwf steers & heifers, 600-800, weaned 90+ days, 1 round vaccinations, wormed & poured, open; 28 heifers, 650, home raised, long time weaned, 2 round vaccinations, open, no implants; 20 red heifers, 750, home raised, long time weaned, 2 round vaccinations, no implants, open, replacement quality; 11 redX heifers, 800-850, home raised, long time weaned, 3 round vaccinations, no implants, open, replacement quality; 90 black & charX steers & heifers, 400-500, weaned 45 days, vaccinated; 50 black heifers, 700-800, home raised, long time weaned, 2 round vaccinations, open, off tritacale; 50 mostly black steers & heifers, 450-650, weaned 55 days, 2 round vaccinations, open, home raised; 17 black heifers, 650-700, hay fed, no grain, no implants; 62 steers, 850-900, no sort; 70 black steers & heifers, 400-500, 2 round vaccinations; 7 black steers, 800, long time weaned, vaccinated, bunk broke; 25 steers & heifers, 400-600, home raised, fall vaccinations; *plus more by sale time.*

## Early Consignments For Special Cow Sale Tuesday, MAY 2, 11 AM

**BULLS:** 2 yearling Angus bulls, semen checked; 16 reg. Angus bulls, 18 mo old, virgin, semen checked, vacc.; 3 reg. char bulls, yearlings, semen checked, polled; 4 Sim/Angus, (3- 18 month old, 1- 2 year old), black/bwf, semen & trich checked; 6 black Angus, 2 year old, semen & trich checked; 6 Amerifax bulls, semen & trich checked; 8 black Angus yearlings, semen checked; 1- 4 year old Hereford bull, purebred, semen & trich checked; 3 Hereford 2 year olds, semen & trich checked; 1 black/charX 2 year old, semen & trich checked; *plus more by sale time.* **HEIFER PAIRS:** 62/62 red Angus pairs, rwf calves at side, calves are 60+ days old; 20/20 black & red Angus, mostly AI sired calves; 11/11 Angus heifer pairs, February born calves, Garner Angus sired heifers & calves, all worked & ready for grass; 6/6 heifers pairs, calves worked; 10/10 1st calf pairs, red Angus heifers, red Angus calves, all worked; 10/10 black heifer pairs; 31/31 red Angus heifer pairs, worked & ready for grass; 27/27 bwf heifers, February Angus calves, worked, Gardner genetics; 6/6 charX heifer pairs, March/April calves; 20/20 black heifer pairs; 20/20 bwf heifer pairs, home raised, calves worked; 25/25 black heifer pairs, 1000-1100, heifers & calves all worked, AI sired Connealy National, complete vaccination program; *plus more by sale time.* **BRED HEIFERS:** 12 red Angus fall bred heifers, bred low birth weight red Angus bulls; 45 black/Sim Angus, home raised, complete vaccination program, fall bred, bred to low birth weight black bulls, calving Sept. 1; 5 charX bred heifers, bred char, calving May/June; *plus more by sale time.* **COWS/COW PAIRS:** 40/40 cow pairs, 5 yrs - older; 50 black fall bred cows, home raised, 3-6 years old; 45 black & red cows, 3-6 years old, fall bred; 7/7 cows, mostly pairs, running age to older; 15 fall bred cows; 25 black pairs, 6 year old - older, running age cows, charX calves; 50/50 mostly black, solid - older cows; 50/50 black pairs 3-9 years old, DISPERSAL of spring bred cows, (lost grass); 40/40 black cow pairs, 6 years - older, March calves, calves all worked; 20/20 red & black pairs, 5-7 years old, red calves, worked; 20/20 pairs, mix ages; 20 bred cows, mix ages; 80 black cows, 3-5 years old, bred Sim/Angus, fall bred; 8/8 black cows, purebred Angus, 2-8 years old; 10/10 red Angus cow pairs, 3 years old, red/Sim Angus calves, all worked; 125 young fall bred cows, 30/30 black pairs, solid - older; 100 black cows, 3 - older, bred Angus bulls, purebred, home raised; 5 Angus cows, 3-6 years old, fall calves; 110/110 black & red pairs; 21/21 black/bwf cows, 6-9 years old, charX calves, worked; 20 black pairs, 3-4 years old; 35 black/bwf cows, 5 - older, fall bred to Wooden Cross, bulls in November 15; 30 black/bwf cows, 5 years - older, fall bred to Wooden Cross bulls, bulls in November 15; 80/80 black pairs, 5-8 years old; 22/22 red/rwf cow pairs, 5-6 years old, worked for grass, calves sired by Werner Balancer bulls, 75% Angus, 25% gelbv; 27 black fall bred cows, 10 years old, bred black, calving September 1; 15/15 black pairs, February/March black calves; 15/15 black/red 2-10 years old, March/April calves, calves worked & banded; 20/20 solid mouth pairs, calves worked, Gardner genetics; 2 bred cows, bred char, calving in May; 1/1 red pair, 4 years old, March calf, worked; 8/8 black cow pairs, 7-8 years old, 60 day old calves; 45 black cows, 5-8 years old, bred Sim/Angus, vaccs, warmed, poured, fly tags, ready for grass, 4/4 running age cows; 15/15 black cow pairs, charX calves, calves worked, knife cut; 10/10 running age cows, w/rwf cows; 20/20 4 year old pairs, Sim/Angus cows, February born calves, worked for grass; 29/29 black cow pairs, 6-8 years old, February/April calves, Sim/Angus calves, calves worked, knife cut; *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

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