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Social scientist looks at regenerative farming at KARTA Conference

By Donna Sullivan,
Editor

Regenerative agriculture—a topic that is gaining traction each year—was looked at from a different perspective at the Kansas Agricultural Technologies Association conference in Junction City January 19 and 20. While many presentations in recent years have covered the agronomy and soil health sides of regenerative agriculture, Julie Snorek, a social sciences research associate at Dartmouth College, presented her findings on the human side of the equation. “Why are people moving into this space called regenerative?” she said. “I’m a social scientist, so I will mostly talk to people to learn about social phenomenons. How people are using regenerative agriculture to solve the problems they might be facing in rural communities.” She added that while she might talk about return on investment, it wouldn’t be just about the numbers and bottom line, but the ROIs that might not be monetary but have benefit to the producers and the communities they live in.

Snorek spent three months of the first year of the three-year project talking to dairy farmers in Vermont and New Hampshire and grain farmers in Kansas and Nebraska. “I have spoken to about 63 farmers at their farms, having long drawn-out conversations,” she said. “It’s been really interesting to hear about the challenges they’re facing and why they’re starting to change some practices, but also about their families and their religious lives and other things. It’s been a really rich discussion.”

Following those interviews, Snorek spent the spring and summer in front of her computer analyzing them. “I was looking at all those conversations and thinking about what are the visions and motivations and the practices that people are doing and why. What are the reasons for that?” She added that



Julie Snorek, a social sciences researcher at Dartmouth College, discussed her research on the adoption of regenerative agriculture practices at the Kansas Agricultural Technologies Association conference held January 19 and 20 in Junction City.

Photo by Donna Sullivan

although the Great Plains and Northeast are two very different agro-ecological regions with very different topography, there are a lot of similarities in how people are thinking of regenerative agriculture.

Snorek defined regenerative agriculture as really being about different visions of soil. “The conventional understanding is that it’s a medium in which you can grow plants and we’ve been able to do that because of the green revolution and all the chemicals that came in that process in order to increase our yields,” she said. “Versus the way people are starting to emerge with regenerative ideas, which is looking at the soil as an organism, understanding the microbes in the soil and actually stewarding those microbes in ways that are based on soil health practices.” She named the five core principals of regenerative agriculture: Minimizing soil disturbance, maximizing crop diversity,

keeping the soil covered, keeping living roots in the soil year-round and integrating livestock.”

She pointed out that farmers define regenerative agriculture as something they’ve always done, even if it didn’t bear that name. “Farming has always been a regenerative activity where the farmer is essentially going out and regenerating Mother Nature’s abundance in a way that contributes wealth,” she continued. “So that idea was shared by a lot of people. The other is that it’s just about healthy soil, focusing on improving the soil, sustaining the plants and doing so maybe with less inputs. The idea of nutrient density also came through. How do you make a plant and food that is more nutrient-dense based on the soil doing more of the work to provide those nutrients?”

Snorek identified lack of guidance and training, economic uncertainty in changing practices, cul-

tural and social influences and a lack of available science-based management knowledge as hindrances for the adoption of regenerative ag practices. She said fertilizer prices were a main driver for people to move in the direction of regenerative ag, along with improving ROI, healthier soils leading to better yields, health concerns over chemicals, rural decay, greater independence and less reliance on subsidies and other government support, among others.

Obstacles she uncovered included social pressure, lack of access to land for young farmers, trusted technical assistance and capital. “Also, educating the consumer,” she said. “Are consumers really interested in buying these things?”

Farmers told her some of the ways they were overcoming obstacles. “What we’ve seen in past years is that the number of people planting cover crops is increasing,” she said. “Rates of adoption are highest in fields with corn silage in rotation. More people are seeing EQIP grants, working towards conservation tillage or cover cropping.” She said that with cover cropping the ROI does not always show up on their bottom line. “It’s improved soil health, improved infiltration and improved water holding capacity,” one farmer told her.

Addressing rural decay is important to many of the farmers she talked to. “A lot of farmers are talking about local-scale processing facilities in areas where there’s a diversity of crops and giving local control to their communities rather than having commodities shipped

off somewhere else,” she related. “It’s also about bringing young people back to communities. My concern is rural America is dying. With this regenerative farming, where people are starting to think about growing food, we could get small farms marketing directly to people and revitalize rural America.”

Carbon programs have generated interest in the ag community, but understanding is somewhat limited and participation even more so. Snorek referenced a survey in the *Wall Street Journal* that polled 1300 farmers to see what they had to say about carbon capture programs. Most said they do not trust them. “They understand them, they know they exist, but they’re not seeing how it’s going to be an ROI for them and their farm,” Snorek said. “50% of farmers really are unclear about how it would benefit them. That’s a huge number and it’s a problem.

If you’re working on a carbon program and you don’t have the trust of farmers, it’s not going to work. The number of farmers that are signing contracts to participate in a company’s carbon market was about 1%, so pretty small right now.”

Snorek described two types of company-sponsored carbon programs. Large companies like General Mills, PepsiCo and Cargill are looking to regenerative agriculture to help them make progress towards commitments they made towards becoming carbon-neutral. Companies are paying farmers to sequester greenhouse gases in soil, then credits come from the amount of carbon that is sequestered. Then those credits can be sold to third parties, often companies that are seeking to offset their own emissions.

The other type is insulating, where companies use practices like cover-cropping within their own supply chains. “They’re not necessarily looking to continue with the same practices and pay someone to go and do the changes for them, they’re actually doing the changes themselves,” she explained. “It’s more in-house, but still relying on farmers to make those changes, then it goes towards their own emission reductions.”

Both programs require the producers to demonstrate additionality— that they have converted to a new practice of some kind, and past efforts are not considered. “This was a big problem for some of the farmers I spoke with who have been regenerative for fifty years and can’t benefit from or be considered by these programs,” Snorek said. “So it’s kind of a punishment for practicing stewardship and caring for the soil in

the past. That’s been a big complaint.”

Another complaint is the requirement to share data about their farming practices that is uploaded to a database. “That has weighed heavily on a lot of farmers we spoke to. It’s difficult to do and takes time.”

While there may be an interest for some in carbon programs, there is also reluctance. “People are interested in learning how to monitor changes on their land and what’s happening with their soil,” Snorek said. “But they aren’t going to consider buying into a carbon market program until there is a structure in place that really protects the interest of farmers. This is the gray area that really needs to be worked out. What are those interests? How do we work together? How do we connect those groups that are wanting to invest with the ones needing the investments so changes can occur?”

A producer in attendance at the conference spoke to that disconnect. “Really what it comes down to from my perspective is the value placed on these programs by the people who want them to happen does not match the cost associated with them to the people who have to do the work to make it happen,” he said. “Until the people raise the value that they place on it, they aren’t going to get a result.” He pointed out that farmers have always been willing to convert to better practices when there are valid reasons to do so, either from an economic standpoint or to improve their operations. “We will spend money to convert, we’ll change practices, we’ll do it in a heartbeat,” he said. “And profit isn’t always money, but what I’m saying is there is cost to the farmer, not just in money but in time, long-term investment in that land and changing our practices, our equipment, our data, our accounting—the cost of that is high and the value these angel investors on the coast are placing on it, they think is high. I spend a hundred dollars an acre on seed, I spend two hundred dollars an acre each year on fertilizer. They want to offer me fifteen dollars a year to change how I farm? If they’re not offering a triple digit number per acre per year, it’s not going to happen. Why is there such a huge disconnect and why do they not understand that they aren’t valuing what we have to do to make it happen?”

Snorek held a couple of round-table discussions during the conference to continue learning from farmers about their experience with or views of regenerative agriculture and how carbon markets could fit into that picture.



Members of the national championship winning K-State Forage Bowl team include, from left: Brayden Carlgren, Cajsa Carlgren, coach Doohong Min, Grace Dunlap and Clayton Winslow.

K-State wins 2023 National Forage Bowl competition

Kansas State University agronomy forage bowl team placed first at the 2023 National Forage Bowl Competition held in Winston-Salem, North Carolina, marking the team’s third national title in the past nine years.

The competition took place during the American Forage and Grassland Council Annual Meeting from Jan. 8-11.

The National Forage Bowl is a team competition for undergraduate stu-

dents, similar to the game show *Jeopardy*. Teams are asked questions from categories covering all aspects of forage production and management, ranging from history to identification.

Prior to the competition, each team member must individually complete a live plant identification quiz. The scores from the quiz are used to seed the teams in a bracket for the game. Team member Clayton Winslow placed first in the live

plant identification quiz, putting K-State at a seeding advantage in the competition round.

The team is coached by Doohong Min, associate professor of agronomy. Team members are all seniors and include Brayden Carlgren, Scandia; Clayton Winslow, Lamar, Missouri; Cajsa Carlgren, Scandia; and Grace Dunlap, Belton, Missouri.

“I am so grateful and proud of the forage bowl team students and their hard work to win the competition,” Min said.

Min organized the K-State forage bowl team in 2014 and led K-State to back-to-back national titles in 2015 and 2016. The team placed second in 2017 and 2020, before winning its third title this year.

Standing strong



This Washington County barn and fence cornerposts offer a timeless winter beauty.

Photo by Kevin Macy



Rural Minds Matter

By Laura Haffner, Ellis County farmer

Farmers and ranchers are some of the most resilient people I know. They weather incredible odds, pun intended, from droughts, to floods, fire, hail, blizzards and more. This doesn't even touch the volatile input costs, family dynamics, inflation and increased regulations we are seeing. Despite these adversities, we pull ourselves up by the bootstraps and continue to provide for our families while often being the first to give the shirts off our own backs for a neighbor in need.

But what happens when that proverbial bootstrap snaps? Do we fix it right away and make it whole

again, or do we slap a little duct tape and baling wire on it and call it good? While that solution may work for a short time, the tape will eventually lose its sticky and the wire will start poking one in the calf. That's when a whole new set of challenges surface.

In my own life, agriculture has provided me with some of life's greatest highs, but it has also contributed to some of my darkest lows. It is curious how something we love so much can cause so much stress, and we often ignore or fail to address the signs.

Several years ago, I invited a counselor with an agriculture background to my classroom. He walked students through

an exercise where they wrote down all the agriculture-related stressors they could think of. Within a few short minutes, one group had listed more than 40. Upon evaluation, class members determined the only thing in all those items we could control was ourselves. That left more than 40 other major items that we had little to no control over. Talk about the perfect storm for some real stress in our industry!

Using the results from the exercise, our guest speaker guided us through an eye-opening experience to help us learn how we view and handle our stress. Those in the room realized they weren't alone, and there are others who have experienced similar stressors. That may have been just as powerful as any coping skill we could have learned — we are not alone in the battles we face in agriculture.

Some battles we face are short and quick. They may annoyingly take our

time and make us uncomfortable, but we can quickly adjust to take on another day. Some battles rage on for months and even years. Even the toughest, most resilient warriors can get worn down. In some cases, the burden is so great it feels like the battle may never end or we may be left behind on the field. But it doesn't have to be that way.

Our fellow members within the Farm Bureau family are standing up and recognizing that something needs to change. Farmers and ranchers are passionate about this topic because we've lived it or have seen our families and friends struggle with it. We are sounding the alarm, rallying the troops and fighting alongside each other to ensure no one is left on the field alone.

Maybe you know something needs to change mentally but taking that first step to attack the topic of mental health is scary. Maybe the first step

is opening up to a trusted friend, family member, doctor, pastor or exploring some resources to learn more. Perhaps you're not experiencing any of your own mental health battles at the moment but would like to learn how to be an ally.

While these don't substitute for the opinion of a health care professional, Kansas Farm Bureau (KFB) has been building an arsenal of resources that may serve as good place to start. You can find them by searching for Rural Minds Matter at kfb.org. *Kansas Living*, KFB's quarterly lifestyle magazine, featured three members who have experienced challenges, and are working to help themselves and others. Read more at www.kansaslivingmagazine.com or visit KFB's YouTube channel to hear their stories firsthand. KFB's Women's Leadership Committee (WLC) teamed up with KFB's Young Farmers & Ranchers Committee at

the organization's annual meeting in December for a three-part farm family resilience workshop series. The WLC also plans to host a women's wellness retreat in November.

These are just a few examples of how farmers and ranchers are mobilizing and working together to offer a hand to friends and family when a bootstrap wears thin. It will take all of us doing our part to end the stigma, but together we can help ourselves, friends, families and communities continue to be healthy and resilient.

If you or someone you know are experiencing an immediate emergency, call or text the national suicide hotline at 988.

"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.

Corn growers praise Biden officials for stance on biotech corn

The National Corn Growers Association praised the Biden administration for issuing an official rejection of a recent proposed compromise from Mexico on biotech corn imports into the country.

The development came during a meeting between Mexican officials and U.S. Department of Agriculture's Secretary of Trade and Foreign Agricultural Affairs Alexis Taylor and the Office of the U.S. Trade Representative's chief negotiator Doug McKalip.

In a statement that

came after the meeting, USTR and USDA said the changes offered by Mexico "are not sufficient and Mexico's proposed approach, which is not grounded in science, still threatens to disrupt billions of dollars in bilateral agricultural trade, cause serious economic harm to U.S. farmers and Mexican livestock producers, and stifle important innovations needed to help producers respond to pressing climate and food security challenges."

The statement also said that the U.S. officials made

it clear to their Mexican counterparts that they are considering all options, including taking formal steps to enforce the issue under the U.S.-Mexico-Canada Agreement.

NCGA applauded the development.

"This is a significant development and good news for corn growers," said NCGA president Tom Haag. "Secretary Vilsack and USTR Ambassador Tai are making it crystal clear that they are going to make the Mexican government abide by what it agreed to under USMCA.

These leaders understand that banning biotech corn would deliver a blow to American farmers and exacerbate current food insecurity in Mexico by drastically raising prices for corn, basic foods and other critical products derived from corn in the Mexican economy."

Mexican president Andrés Manuel López Obrador announced in late 2020 that he would implement a decree banning biotech corn into the country, be-

ginning in early 2024. The majority of U.S. corn is biotech.

As pressure on Mexico has grown, thanks to efforts by NCGA and the Biden administration, corn growers have become increasingly concerned that Mexico would offer a compromise removing the ban on imports of corn used for livestock feed while moving forward with the proposed ban on corn for human consumption. The Biden adminis-

tration's statement shows there is no room for such a compromise.

The administration's actions come after the presidents of 23 state corn grower groups, joined by the president of the National Corn Growers Association, sent a letter to President Biden in December calling for him to take additional steps to address the pending decree by Mexico that would block imports of biotech corn.

Kansas 4-H teams with Healthy Blue to improve wellness of Kansas youth

Officials with the Kansas 4-H Foundation and Healthy Blue have announced a partnership to invest in the mental health and well-being of Kansas youth.

According to information from the 4-H Foundation, Healthy Blue – a collaboration of Blue Cross and Blue Shield of Kansas, Blue Cross and Blue Shield of Kansas City (Blue KC) and Anthem Partnership Holding Company – has pledged \$100,000 to the initiative.

As part of the program, Kansas 4-H agents and youth will cover such topics as healthy coping skills, interventions, fitness, nutrition, life skills, healthy peer-to-peer interactions, and the prevention of substance abuse/addiction at a local level through community conversations.

"Creating a culture of learning where youth and adults are involved in a collective effort is crucial to addressing mental health concerns in Kansas," said Sarah Maass, state leader for the Kansas 4-H program. "Addressing the health and wellness of youth in a safe and inclusive environment is a

top priority for Kansas 4-H professionals. We want to put Kansas 4-H youth in the position to facilitate the conversation and take the lead on addressing the issues."

Kansas 4-H officials said that through the immersive learning experiences that 4-H offers, kids can create meaningful relationships, learn coping skills, and discover independence.

"Kansas 4-H delivers these experiences through 4-H clubs, which become a learning community for positive youth development," Maass said. "These experiences expand into schools and after school programs."

Kansas 4-H, she adds, is committed to meeting the essential needs of youth, including belonging, independence, mastery and generosity.

Charmekia Martin, director of growth and engagement for Healthy Blue, said the initiative aims to create and deliver solutions that respond to the needs of individuals while removing unnecessary processes, closing gaps in care, and making measurable impacts in im-

proving the health of entire communities.

"We are pleased to be able to support (the effort to better) mental health for youth in Kansas while partnering with Kansas 4-H in the creation of this new and innovative program," she said.

Mindy Weixelman, the interim president and CEO of the Kansas 4-H Foundation notes the organization's commitment to empower young people with the skills to lead for a lifetime, saying "We believe in the power of young people."

"We value partners who invest in the well-being of Kansas youth," Weixelman said. "In 4-H, we see that every child has valuable strengths and real influence to improve the world around us. Our partnership with Healthy Blue will improve the overall well-being of Kansas 4-H youth, which will translate into their community."

As part of the partnership with Healthy Blue, the Kansas 4-H Foundation will also be connected with community engagement representatives to provide support to this initiative.



It is official, I am on calving/ lambing time. You can forget about daylight savings or standard time, the real time change in my world is sometime in January when we start lambing. Really it isn't just lambing, it is a culmination of all the various holidays from Thanksgiving to Martin Luther King Day and the disruptions in my normally very regimented schedule (if you believe the whole regimented schedule I have some northeast Kansas beachfront property for you). I may not be scheduled but I am a creature of habit.

The calving/lambing time thing isn't just about when it gets daylight or dark, but that is part of it. When you are going out at the crack of dawn to check critters it does disrupt the normal body clock. Couple that with making yourself stay up late for that final night check and the old circadian rhythm takes a beating. I always stay up to watch the ten o'clock news but it becomes a real struggle this time of the year. I do have to admit that there is something relaxing about the walk down to the lambing barn and ewe pens when it is calm, clear and quiet at night. I am just glad I only see that tranquility once a year.

No, the real problem with calving/lambing time is when it comes to day of the week and even what day of the month it is. When my schedule is normal I know that Sunday is church day, Wednesday is column-writing day and Jennifer is home Saturday and Sunday. Monday, Tuesday, Thursday and Friday are just filler days in between those marker days. Then starting in November come holidays where Jennifer is home on non-weekend days and I have trouble remembering if it is Monday or Saturday. Thanksgiving really throws me off because it is like two weekends back to back.

Then comes the Christmas season and the kids come back from college. Don't get me wrong, I really look forward to them being home but that sure throws my routine into a tailspin. Christmas and New Year's finish off any semblance normality in my schedule. Starting the new year, I have no idea of what day of the week it is. It could be a Thursday or maybe it's Saturday. At that point at least I know when Sunday is because we have not messed up any of them by not going to church.

For most people the routine sets back in when the calendar turns to January.

With the hiccup of Martin Luther King Day, the calendar is pretty mundane and boring. Not for me: throw in the American Farm Bureau Annual Meeting where I am gone from Friday to Wednesday, wiping out a week-end and most importantly a Sunday and my idea of time is gone. I have no idea what day of the week it is. Often I then come home to lambing going hard and not only do I have no idea what day of the week it is, I don't know what time of the day it is either...

Fortunately, the calendar is pretty much devoid of holidays from mid-January to April. I guess there is spring break but that will only be an issue for a couple more years and then it will be gone for us. However, in my world I have Farm Bureau meetings that dot my calendar through the month and just when I think I am getting a grip on what day of the week or time of the day it is, wham, I am gone on a Wednesday and my routine is in a tailspin.

Honestly, I am grateful for all the distractions. I can't imagine getting through January, February and March going through the same old drab routine day after day. It is nice to have things on the calendar to look forward to and to break up the monotony. Sometimes it works to my benefit too. Today I thought I needed to get a lamb to the locker plant in the morning and Dad to a doctor appointment in the afternoon. Come to find out that the lamb is due to the butcher tomorrow morning and my schedule isn't as tight as I thought (well, until tomorrow morning). So sometimes not having any idea what day it is can lead to little victories. More often it results in a last-minute reminder popping up on my phone and throwing my day into chaos.

I am sure I am not the only one with this problem. I remember giving Dad a hard time when he didn't know what day of the week it was. At the time I had a town job and you better believe I knew when the days off were. Now I only know what my phone tells me and often I am surprised when Jennifer doesn't go to work. So, for the next couple of months if you could remind me what day of the week and month it is I would appreciate it. Don't worry about the year, I have that down. It's 2021, right?



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2022 agricultural land leasing arrangement survey meeting to be held in Clifton

The agricultural industry in recent years has faced increased volatility in commodity prices and therefore uncertain profitability for farmers and ranchers. While 2022 offered higher commodity prices and profitability for most producers, the ongoing pandemic has provided continued challenges with supply chain disruptions and escalating input costs, adding stress to the bottom line for farmers and ranchers. Given these conditions, determining an equitable lease arrangement has become increasingly challenging for landowners and tenants which in turn has them frequently turning to the K-State Research and Extension offices for information on the “going rates” for pasture and cropland leases.

Recognizing the need for reliable, local lease information, the K-State Research and Extension Service, River Valley District began conducting a yearly lease survey in 2012 that is current and relevant for Clay, Cloud, Republic, and Washington counties. This information has proven very useful for landowners, ag producers, agricultural lenders, and Extension personnel as they work through the various aspects of lease agreements. The data collected from the 2022 River Valley Extension District Lease Survey will help both the local Extension office and your farm enterprises by compiling a pool of data that reflects the trends of farm ground leasing practices in each county of the Extension district.

As they have done in the past, the survey data will be compiled and summarized in the 2022 River Valley District Lease Survey Summary. These summaries will be presented at their annual lease meeting to be held at the Clifton-Clyde Grade School on Tuesday, February 21st starting at 7:00 p.m. A light meal will be served at the meeting, and they ask that you call in for an accurate head count to be collected. Please RSVP by February 17th by calling either Kaitlyn Hildebrand in the Concordia office at 785-243-8185 or Luke Byers in the Clay Center office at 785-632-5335.

Experiments and Expertise: Ellis County brothers work together to top the 2022 National Wheat Yield Contest

Brothers John and Matt Grabbe put Schoenchen, Kansas, near Hays, on the map with two of the top three entries in the 2022 National Wheat Yield Contest. John placed second in Kansas in the winter wheat dryland category with an entry of WestBred WB4422 that yielded 103.24 bushels per acre. Brother Matt took third in the same category with an entry of WestBred WB4792 that yielded 97.88 bushels per acre.

The brothers, who farm as equal partners with their mother, attribute their success this past growing season to the right combination of wheat genetics, farming practices and moisture. A

buddy from college who works for WestBred talked the brothers into setting up a wheat plot a few years ago. Last year's winning entries were the fourth year of having a plot, which the brothers say allows them to try out different varieties and how they respond to their specific farming practices.

This was the first year for planting WB4422 and the third year for planting WB4792, a longer-season variety that allows the brothers to space out their harvest. Both varieties also have good standability and have performed pretty well, even in tough conditions the last couple growing

seasons.

This year's plots were planted on summer fallow ground. The start of the growing season in fall 2021 was decently wet when the brothers drilled wheat so the crop got off to a good start. But from there, the weather turned dry through winter and early spring. Luckily, the area caught some nice rains at the end of April and the beginning of May. Overall, the area received about two-thirds of its normal moisture, but the rain came at exactly the right times.

“We didn't get a lot of vegetative growth early,” John said. “But the plants were ready to start making seed when it did rain,

so they just put all their effort into making seed instead of vegetation.”

When it came time to hop in the combine, the brothers were not sure what to expect but were quickly pleasantly surprised.

“Everybody was going to be pretty happy if the wheat made 45 or 50 bushels per acre, and when we started to combine this year, we were the same way,” John said. “I think it's a big testament to where genetics have come in the last few years. They've just done a better job of breeding to take on that stress and still have that yield potential at the end of the season.”

In addition to variety selection and rainfall, the brothers also attribute this past year's yields to continued tweaks in their farming practices. They don't treat their plots differently from what they do across the rest of their operation, maybe pushing a little more nitrogen to catch some additional yield. They also have started focusing more on micronutrients like manganese, zinc and sulfur. No matter the weather, they are committed to their fertility program and applying fungicide.

“We found that, even in a bad year, keeping that plant as healthy as it can be, it's not searching for nutrients,” Matt said.

“In the end, it just needs water.”

This experimentation through variety plots over time is a linchpin to success, not only in the yield contest but also across their operation.

“Don't be afraid to experiment,” John said. “It does take us some extra time. But, at the end of the day, that little bit of time has made us a lot of money.”

Follow Kansas Wheat in the coming weeks to learn more about the other Kansas winners and their tips and tricks for success this year. Learn more about the National Wheat Yield Contest at yieldcontest.wheatfoundation.org/.

NCBA announces lawsuit against Biden administration WOTUS rule

The National Cattlemen's Beef Association (NCBA) and 16 other stakeholders filed a lawsuit against the Environmental Protection Agency (EPA) challenging the Biden administration's final “Waters of the U.S.” (WOTUS) rule.

NCBA previously filed technical comments on this rule, highlighting the importance of maintaining agricultural exclusions for small, isolated and temporary water features, like ephemeral streams that flow only during limited periods of

rainfall but remain dry most of the year. According to the organization, regulating these features at the federal level under the Clean Water Act disrupts normal agricultural operations and interferes with cattle producers' abilities to make improvements to their land.

Last year, over 1,700 individual cattle producers sent messages to the EPA opposing the administration's overly broad definition of WOTUS. Producers once again shared their views with the EPA at an agency roundtable

last June. However, EPA failed to incorporate the cattle industry's recommendations, and NCBA will be suing to stop this rule from harming cattle producers.

“The rule removes longstanding, bipartisan exclusions for small and isolated water features on farms and ranches and adds to the regulatory burden cattle producers are facing under this administration,” said NCBA chief counsel Mary-Thomas Hart. “We look forward to challenging this rule in court and

ensuring that cattle producers are treated fairly under the law.”

In addition to the ag stakeholders' lawsuit, Texas Attorney General Paxton also filed a lawsuit to defend Texans from the unlawful rule,

which would assert federal control over Texas land.

“Legal action is necessary to curtail this administration's continued intrusion into the rights of Texans and our ability to control our own nat-

ural resources,” Paxton said. “I'm proud to file this lawsuit challenging Biden's WOTUS rule and remain committed to pushing back against the Biden administration's radical climate agenda.”



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1/2 teaspoon baking soda
1/4 teaspoon salt
1/4 cup water
1 egg (or substitute)
1 tablespoon vanilla
1 teaspoon ground all-
spice
1 cup rolled oats
1 1/2 cups flour
1 cup raisins, chocolate
chips or dried cranber-
ries (in any combination
to equal 1 cup)

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3. Send it to: Woman's Page Editor, Grass & Grain,
Box 1009, Manhattan, KS 66505.
OR e-mail at: auctions@agpress.com



Chris Goodman, Silver Lake:

**SOUTHWEST
CAVIAR**

1 cup sugar
3/4 cup apple cider vinegar
2 tablespoons water
Salt & pepper to taste
11-ounce can (or regular size can) black beans, drained, not rinsed
11-ounce can (or regular size can) pinto beans, drained, not rinsed
11-ounce can (or regular size can) black eye peas, drained, not rinsed
11-ounce (or regular size can) yellow corn, drained, not rinsed
11-ounce can (or regular size can) white corn, drained, not rinsed

or ice cream. Store in refrigerator.

Millie Conger, Tecumseh:

**BROCCOLI CHEESE
SOUP**

2 cups cooked noodles (your choice of kind)
10-ounce package frozen, chopped broccoli, thawed
3 tablespoons chopped onion
2 tablespoons butter
1 tablespoon flour
2 cups cubed Velveeta cheese
Salt to taste
5 1/2 cups milk

Combine all ingredients in slow-cooker. Stir. Cook on low for 4 hours.

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Andrew Pope, M.D.



Steve Peloquin, M.D.

Boone's Life Tips

By Lou Ann Thomas

When I look at my dog, Boone, I realize he has somehow learned to navigate this bumpy ride called "life" like a pro. So, I decided to share some of his techniques for living well.

First, Boone greets everyone with joy and friendliness. Being a grumpy dog has never resulted in more treats or tummy rubs, so Boone always greets people with an open heart. He also greets most other animals the same way. Except for squirrels. Boone doesn't care for squirrels and never hesitates to show his disdain – loudly. There will be those with whom you don't vibe in life. There are some who just aren't going to click. Bark at them, if you must, but then forgive them and move on.

Being quick to forgive is another of Boone's suggestions for living the good life. Boone will seemingly forgive anyone anything. He forgives not for the other person or to condone what has been done, but rather it is so he can continue living in peace without holding onto a grudge or harboring resentment. Those things can get heavy and holding onto past hurts – real or perceived – only takes up space he can use to think about fun walks or treats. He lets me know I have behaved in a less than acceptable manner when I forget his favorite treat or don't walk him at the usual time, but that communicated, he then returns to his nap.

And napping is one of Boone's favorite things. He believes that there are times in life when taking a nap is the best thing you can do. It helps break the energy of a day that may not be unfolding as we wish. It rests and allows our brains time to quietly ponder whatever we're trying to figure out so when we awake, we're ready to take on any challenge.

Along with naps a daily walk outdoors is one of Boone's best mood elevators, for us both. The fresh air lifts our spirits and helps us connect with the healing properties of the natural world. It also allows us to smell a lot of things. The world can be so sweet and if we are present enough we can get a whiff of it and appreciate everything more.

Boone's best tip for a life well lived is to not be afraid or even hesitant to ask for what we want. He feels no shame or weakness in expressing, sometimes even demanding, his preferences. But once his wishes have been known, he accepts whatever he gets as being exactly what he needs.

So, what's the key to living a good life? Love first, forgive everything, take a nap when you need one, and be so present you don't have to stop to smell the sweetness of life. In other words, be like Boone.

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

Stock Your Pantry The MED Way

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

The Mediterranean way of eating emphasizes a lot of fruits and vegetables. There are a variety of options to achieve this goal.

Fresh fruits and vegetables choices change throughout the year based on growing season. But, many of these same foods are available in frozen, canned, or dried forms year around. Look for plain frozen fruits and vegetables without added flavors or sauces. Choose canned products without added salt for vegetables or canned in their own juice for fruit. Dried fruits can be eaten as is or can be rehydrated.

Fresh or frozen fish options are few in some locations. But canned tuna or salmon, packed in water or olive oil, are good choices.

Don't have fresh herbs? There are many dried herbs available to use instead. A general substitution is 1/4 dried ground = 1 teaspoon dried whole/crumbled = 1 tablespoon fresh chopped.

If certain foods are not available in your local grocery store, ask the manager to order the item. You may not be the only person looking for it and it could become a regular item on the shelf.

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To Adopt Healthy Eating Habits Set Realistic Goals

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

The secret to succeeding is to not try to do everything at once. Instead, look at one thing you can realistically expect to accomplish within the next week.

This approach to moving toward your goal is action planning. An action plan is short-term and doable, and it sets you on the road toward achieving your goal. Your action plan should be about something you want to do or accomplish. It should help you solve a problem or reach a goal. It is a tool to help you do what you wish. Do not make action plans to please your friends, family, or doctor.

Action plans are probably your most important self-management tool. Most of us are able to do things that will make us healthier, but we fail to do them. For example, most people can walk – some just across the room, others for a mile or more. However, few people have a regular walking exercise program.

An action plan can help you do the things you know you should do. But to create a successful action plan, it is better to start with what you want to do. It can be anything!

Creating a Realistic Action Plan

First, decide what you will do this week. For a person who wants to eat healthier, an example might be eating a serving of vegetables with lunch three days this week.

Make sure your plans are very “action-specific.” Don’t decide to “lose weight” (which is not an action but the result of an action). Instead, decide to “drink 40 ounces of water by lunchtime” (which is an action).

Next, the plan should answer the following questions:

Exactly what are you going to do? Are you going to walk? How will you add fiber to your breakfast? Which stress management technique are you going to practice?

• How much will you do? This question is answered with details about time, distance, portions, or repetitions.

• When will you do this? Again, this must be specific: before lunch, in the shower, as soon as you come home from work. Connecting a new activity to an old habit is a good way to make sure it gets done. For example, brushing your teeth can remind you to take your medication. Or decide you will do a 15-minute relaxation exercise in the evening after washing the dinner dishes.

• How often will you do it? This is a bit tricky. We would all like to do the things we want every day, but that is not always possible. It is usually best to decide to do an activity three or four times per week to give yourself “wiggle room” in case something comes up. If you do it more often, that’s even better.

Once you’ve made your action plan, ask yourself the following question:

“On a scale of 0 to 10, with 0 being not at all sure and 10 being absolutely sure, how sure am I that I can complete this entire plan?” If your answer is 7 or above, your action plan is probably reasonable. If your answer is below 7, you should revisit your action plan.

Focus on Adding Foods, Not Cutting Them

In addition to setting realistic goals, work on adding nutrient-dense foods to your diet rather than stressing about foods you need to eliminate.

A study published in The Lancet shows that a suboptimal diet is responsible for more deaths than any other risks globally, including tobacco smoking. The study shows the leading dietary risk factors for mortality are diets high in sodium, low in whole grains, low in vegetables, low in fruit, low in nuts and seeds, and low in omega-3 fatty acids, each accounting for more than 2% of global deaths.

The authors suggest that dietary policies focusing on promoting the intake of these nutrients might have a greater effect as opposed to policies only targeting sugar and fat as has been the norm in diet policy debate for the past two decades.

How to Add Nutrient-Dense Foods to Your Eating Plan

- The following are

some examples of small shifts you can make today.

- Make an effort to drink more water and unsweetened tea throughout the day.
- Add an additional veggie to your pizza, taco, or sandwich.
- Keep nuts, carrots, apples, or popcorn on hand and try to snack on one of these once per day.
- Add fruit to your breakfast cereal or yogurt.
- Add beans or lentils to your taco filling or soups.
- Substitute whole grain flour for ¼ to ½ of the all-purpose flour in recipes.

Sources:

Living a Healthy Life with Chronic Conditions, fifth edition, published by Bull Publishing Company Boulder, Colorado/the River Valley District’s 2022 Walk Kansas Newsletter

GBD 2017 Diet Collaborators

Health effects of dietary risks in 195 countries, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017

The Lancet Volume 393, Issue 10184, P1958-1972, May 11, 2019

Questions about action plans or how to incorporate more nutrient-dense foods into one’s diet can be directed to Kaitlin Moore, Nutrition, Food Safety & Health Agent at 785-243-8185 or kaitlinmoore@ksu.edu



By Kelsey Pagel

New Experiences

Decorating cakes has always been something that has interested me, but I’ve never done it. This is normally because five minutes into decorating I decide I do not have the level of patience necessary. I love baking. I don’t love decorating.

My nieces, Summer and Autumn, talked me into making Summer’s birthday cake. Normally, their grandma makes and decorates the cakes and they’re beautiful. I tried talking them out of it, but they insisted. Every time I spoke to Summer, I told her grandma should make them. She insisted. So I started my research. I needed a homemade vanilla cake mix recipe that would stay moist for several days so I could bake it one night, frost the next and take to party the next. I found one then practiced with cupcakes. Matt came home that night and ate four after a big supper. With that, I decided the recipe was a go.

I already knew my decorating was going to be subpar at best, so I needed to do something else to add excitement. I borrowed checkerboard cake pans from a family member. The ones that lets you do different colors in each layer of cake. Then I gathered the necessary ingredients and bought the appropriate food dye and decorations. I baked, I decorated, we transported two hours and it was a great day.

Long story longer, Summer loved it. It wasn’t perfect. But it didn’t matter. She loved the crown on top. She loved the colors inside. She loved the pink frosting. She was a happy girl. And that’s all that matters. It’s amazing how

much those little humans have us wrapped around their little fingers.

The other interesting thing on a completely different end of the spectrum, after eight months of owning a for-real semi (Tommy), I finally drove it loaded. Matt and I were among the last-minute CDL hopefuls before the laws changed early in 2022. That was a ton of work for me to learn all the parts, but I’m still so proud of myself that I did it. And that I can parallel park a semi. I have no idea when I will ever need that skill, but I had to have it to pass the driving test so I know I can! During harvest, I was running the combine, driving the grain cart or checking cows. I had one opportunity late at night during harvest to drive it loaded, but my Dad took it and I took the baby semi. So I’ve never driven it loaded.

As per usual, we were hurrying one day to get Tommy loaded and to the elevator before closing time. And it was after the snow, of course. The bin we were loading out is tricky to get to on the best of days. Tommy got stuck coming out, but no worry, grabbed the tractor, pulled it out. Then Matt said, hurry and go so you make it before they close. Like most things on the Pagel operation, it’s baptism by fire. I’ve driven the truck, but never with that long a trailer, or that big a load. But I grew up on a farm and have been driving stuff since I could reach the pedals. I know all the things. I have the knowledge to drive the truck. I just didn’t have the experience.

No matter what, I never push myself when I’m uncomfortable driving equipment. I drive at a speed where I feel comfortable. I don’t care if there’s 15 cars behind me or a husband yelling at me. I don’t care if the elevator is going to close before I get there. I pull in at 3:55 (closing is at 4). Get probed, weighed and sent

to the pit. Remember, I’ve never driven it to the elevator and it’s completely different than our baby semi, so I have no idea where to stop. Luckily for me, there was somebody in the next pit and he directed me so I didn’t have to get out and back in several times to line the hopper with the pit. (Farmers really are the best!)

I hop out and head to unload, except I forgot the handle in the cab. It’s literally my first day with the semi, so give me some grace. Anyway, go get the handle, crank the hopper open and wait. The pit fills up and isn’t going anywhere. I wait for a while, text Matt. He replies it sometimes takes a while. I wait some more. Wait some more and wait some more. At this point I’m wondering if everybody went home and nobody was running the pits. Finally somebody showed up and said the pit wasn’t working and the mechanic had gone home for the day. I had to back out of the shed and move over to the other pit to unload the rest of the truck. Like almost everything in the farming world, I got it done. It wasn’t pretty. I was thankful there weren’t other trucks there to witness my first experience. But I got it done. Safely. So now I’m officially calling myself a professional trucker. I took another load the next day, in the middle of the day, when there were onlookers. And it went fine!

That’s all I’ve got. Two new experiences I can add to the resume that doesn’t matter. Two new life skills. Still believing grace and patience is the only way to go! Have a great week.

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 @teampagel.

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Fugitives on the KTA (Part 2)

It was a hot August day in the early 1990s, with not much breeze, as I recall. The four sheriff's officers were gearing up as I pulled up behind them and stepped out. Those boys were putting on body armor and shoving spare mags in their vests, checking their weapons, and one was pointing and giving orders as another was talking into his shoulder radio mike.

I had not seen the fugitives since my initial sighting but the plane had caught sight as they headed into some seven-foot sunflowers, and "Red-Shirt" had left his jersey in the hedge. They were heading north according to the observation plane. The fugitives had 'upped the ante' by now, breaking into a neighbor's home and stealing a .44 magnum handgun and a 12-gauge shotgun, among other things. They were now armed, and had been by the time I saw them.

Ole Barney began shoving buckshot rounds in his shotgun magazine, and turned to ask me if I was armed. "No, sir!" was my immediate response, as he

advised me to stand back (I saw no reason whatsoever to discuss the Winchester 94 in a case behind my truck seat, but no sir, I have no weapons on me!).

Not to worry, Officer. I was, under no circumstances about to follow these boys into those sunflowers, where the heat, the chiggers and vegetation itself was enough to deter me from going in there, not to mention a couple of armed fugitives, and you couldn't see six feet ahead in that mess. Nope, I'll stay here behind Barney, who was charged to watch the vehicles. He was semi-retired, mid-60s and about 90 pounds overweight. He was already sweating heavily and I could not imagine him making it back out of that weed patch anyway. He was a great guy, a neighbor actually, and we chatted as we waited. John, the old ranch boss, pulled up and lit a cigarette, offering one to Barney, who declined, announcing he had quit.

Suddenly the radio chatter interrupted; the fugitives had made it north to the next county road. A few minutes later, the sweat-soaked deputies came charging out of the sunflower patch, pulling 'stick-tights' out of their Velcro strips and knocking bugs and debris off their heads as they crossed the fence and ran across the 25 yards of open ground toward us. Every man went to his vehicle, stowed shotguns, and with the slamming of car doors and roar of engines, left the scene as quickly as they had come upon it. John and I were suddenly by ourselves smiling at each other and shaking our heads in wonderment. He took a deep drag on his cigarette and said, "Well, let's go see where they went," in his soft Texas drawl.

I followed John out to the road, shutting gates

along the way, and crawled in his truck to drive around the section road to see what was going on. As we made the corner we could see the emergency lights lining the roadway. I counted over 20 units as we slowly made our way through the vehicles and officers from the Kansas Highway Patrol, two County Sheriff's Departments, and our local City Police.

The perpetrators had made it to the road, and positioned themselves in some dense roadside brush in order to "ambush" the next unsuspecting passerby, intending to 'car-jack' some poor soul who may not have even escaped with their lives. There wasn't much traffic in that area back then; only local folks who lived in the area.

As we approached we could see about ten officers walking the subjects back to the road from some hedge trees about a hundred yards north of

the road. These guys had let their weapons lay and ran like jackrabbits when a passing sheriff's deputy spotted them. They had fled across almost three miles in the last two to three hours, some open pasture, but mostly sticking to hedgerows, brush and of course the weeds. They were worn out, bug-eaten, scratched up, cuffed and headed for the comfort of the county jail until they would be extradited back to Michigan, after being booked on some serious charges in Kansas.

We thanked those fellas and headed back to the ranch.

Kirk Sours is a ranch manager in northeast Kansas, shaped and molded by the Kansas prairie since the age of eight. His major hobby is writing commentary, short biographical stories, and he is active in the community. Email him at: sours.kirk@yahoo.com.

Farm transition workshop planned for Feb. 11 in Melvern

Frontier Extension District, with the help of the Conservation Districts in Anderson, Franklin and Osage Counties, will host a Farm Transition and Succession Planning Conference beginning at 8:30 a.m. and running through 4:00 p.m., Saturday, February 11th, 2023. The meeting will be held at the Melvern Community Building, Melvern. Pre-registration is required. You can register and pay online by going to our website at: https://url.avanant.click/v2/_www.frontierdistrict.k-state.edu and using the QR Code on the flyer; by calling any of the Districts Extension Offices: Ottawa, 785-229-3520; Garnett, 785-448-6826 or Lyndon, 785-828-4438; or by emailing rschaub@ksu.edu. There is a twenty-dollar fee per person to attend.

The keynote speaker for the event will be Dr. Ron Hanson. During the morning session, Dr. Hanson will discuss "Mapping Out a Plan to Keep Your Farm in the Family for Future Generations." In the afternoon session, he will highlight "Avoiding Mistakes of a Family Succession Planning Train Wreck." Dr. Ron Hanson,

Professor Emeritus from the University of Nebraska, has counseled and worked with farm families for more than 40 years to help them resolve family conflicts in a more positive manner and improve family relationships. His most recent efforts have been directed at farm business ownership succession planning and the transition of management control between farming generations.

Ashlee Westerhold will explore transition resources available through her office at Kansas State University. She is the director of the Office of Farm and Ranch Transition at Kansas State University. The recently launched program offers resources and assistance with succession planning, retirement, and transferring management and assets. Her office also offers a land-link program to

introduce exiting landowners with beginning farmers/ranchers through an application and curated matching process. One-on-one consultations are available to anyone needing assistance with transition planning.

You often see the terms "farm estate planning" and "farm transition planning" used interchangeably, but there are some important differences. Estate planning is what happens to the assets when one generation passes (who gets what). Transition planning is what allows the next generation the opportunity to keep that farming or ranching operation in business and moving forward.

If you have questions or need more information please call Rod Schaub, Frontier District Agent at 785-828-4438

USDA researchers develop cotton lines that are naturally fire-resistant

Researchers at the U.S. Department of Agriculture's (USDA) Agricultural Research Service (ARS) bred four cotton lines that can be used to make self-extinguishing textiles when exposed to fire and will reduce the need for flame-retardant chemicals to be embedded in consumer products, according to a recent study published in *Plos One*.

The cotton lines were developed from cultivated cotton varieties and pos-

sessed a novel flame-retardant trait. When exposed to an open flame, the fabric from the new cotton lines self-extinguished whereas regular cotton fabric burned entirely in seconds.

"Use of these lines to develop commercial cultivars creates an opportunity to improve the safety of cotton products while reducing the economic and environmental impacts of chemical flame retardants," said Brian

Condon, senior author of the study and retired research leader at the ARS Cotton Chemistry and Utilization Research Unit in New Orleans. "These lines will significantly benefit growers, producers, and consumers."

Cotton typically produces flammable fibers and is treated with chemicals to be flame retardant when used for consumer products like clothing, mattresses, upholstery, and carpet. The new cotton lines were created by a multi-parent breeding approach that resulted in new opportunities for natural genes to interact and develop the unexpected trait of flame retardancy.

ARS researchers Johnie Jenkins and Jack C. McCarty, supervisory research geneticists at the ARS Genetics and Sustainable Agriculture Research Unit in Mississippi, bred cotton lines to identify genes that affect agronomic traits such as yield and pest resistance and fiber quality traits such as length, strength, and fineness.

"ARS scientists study every step of cotton production from 'Dirt to Shirt' including genetic diversity, field management practices, fiber quality attributes, and end-use textile characteristics," said Jenkins.

Although all of the parental cotton lines produced flammable fabric, researchers found that flame retardance did not come from a single gene. Instead, they found that multiple genes created a phenotype for fibers with significantly lower heat release capacities. The new cotton lines also possessed the desired agronomic and fiber quality traits, making the lines sought after for breeding and consumer usage.

"We look at fabric quality and chemical finishes that create permanent press, wrinkle-free, and flame-retardant fabrics. Now we have found lines with a novel and natural genetic mechanism for flame retardance," said Condon.



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NEW TIRES: 4-235/65 R17 Nexen AH7, 4-235/60 R17 Nexen AH7, 4-225/55 R17 Nexen AH7, 5-215/65 R16 Falcon SN250, 4-225/65 R17 Falcon SN250, 4-225/60 R16 Falcon SN250, 4-215/60 R16 Falcon SN250, 4-215/65 R15 Falcon SN250, 4-215/70 R15 Falcon SN250, 4-205/70 R15 Falcon SN250, 4-185/65 R14 Falcon SN250, 4-195/70 R14 Doral, 4-205/65 R15 Falcon SN250, 4-235/75 R15 Yok HT O W L, 4-205/60 R16 Falcon SN250, 2-205/55 R16 SUMM LST, 2-255/70 R18 Mich LTX MS 2, 4-265/70 R17 Yok GO15 AT E, 4-265/75 R16 Eldorado Sport AT45 E, 4-245/75 R16 Eldorado Sport AT45 E, 2-265/75 R16 Yok GO56 HT E, 8-235/85 R16 Mastertrack All Steel Trailer G, 4-225/75 R15 Trailer Master E O W L, 4-225/75 R15 Mastertrack Trailer F, 4-225/75 R15 Mastertrack Trailer E, 4-205/75 R15 Mastertrack Trailer D, 4-205/75 R14 Mastertrack Trailer D, 4-175/80 R13 Mastertrack Trailer C, 4-12-16.5 Power King Skid Loader Rim Guard F, 4-11L x 15 American Farmer Rib Imp F, 2-12.5L American Farmer Rib Imp F, 4-11L x 15 Harvest King Rib Imp D, 2-9.5L x 15 Rib Imp D, 2-31-1350-15 Carlisle Rib Imp D, 2-9.5L Carlisle Rib Imp D, 3-1000 x 16 Harvest King TRF E, 3-760 x 15 Harvest King Rib Imp D, 3-600 x 16 TRF C, 1-650 x 16 TRF C, 1-550 x 16 TRF C, 6-11L x 15/16 Tubes; **Large Selection of Used Tires.**

EQUIPMENT & TOOLS: American Air Compressor 200psi 120 gal Tank 2 Stage 10hp Motor 220; Beissbarth Servomat 67 Tire Machine; Coats 40-40 Tire Machine with Inflator; Coats

Direct Drive 850 Computer Balancer; 2-Air Tire Spreaders; Blackhawk SJ-64 2.5 Ton Bumper Air Jack; 20 Ton Semi Air Jack; NAPA 3.5 Ton Floor Jack; CHEETAH Bead Blaster; Bubble Balancer with 8 Hole Adapter; Handyman Jacks; 5 Gal Oil Drain Bucket; Truck Tire Cage; Driveway Bell and Hose; Battery Charger; Drill Press; Leaf Blower; IR-Model 2141 ¾" Impact; IR-Model 2234 ½" Impact; Large Selection of ½ & ¾" Impact Sockets; 2-3/8 Air Hoses; 1-5/8 Air Hose; Space Heater 125,000 BTU; Country Tuff 25 gal ATV Sprayer; Craftsman 5 Drawer Tool Box; Selection of New Wheel Weights; Air Chisel; Air Ratchets; Misc. Tools.

TRAILER: H&H 6.5 x 10 Utility Trailer with Loading Ramp.

RESTAURANT EQUIPMENT: STAR 44x22" Flat Top Grill NG; Tristar 2 Basket Fryer NG; 4-Burner Stove & Oven NG; Stainless Steel Serving Table 4x2; 3-Refridgerators; 3 Compartment Stainless Steel Sink; Mop Sink; 2-Coffee Pot Bunn Warmer; Glasses, Plates, Coffee Cups, Silverware, Napkin Dispensers; Sharp XE-A107 Cash Register; 2-Stainless Steel Wash Sinks.

COLLECTIBLES: 76x73" Texaco 2 Sided Polycarbonate Sign; 2 Sets of 30" Texaco Canopy Letters; Brookins 5 gal Calibration Can; Brookins 4 Quart Oil Can; ANCO Wiper Blade Metal Cabinet; BIG-A Metal Filter Cabinet; Westinghouse Auto Bulbs Metal Cabinet; Metal Map Holder; Metal Battery Stand; Rema Tire Patching Dispenser; Old Tins; Vise American Scale & Vise; Pabst Blue Ribbon Chalk Board; Sherman Williams Thermometer; Old Hubcaps; ½ of Skelly Globe; ½ of Skelly Premium Globe.

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Abilene named Top 10 True Western Town of the Year by national magazine

The Abilene Convention and Visitors Bureau is off to a great start in 2023. Following a banner year for national recognition, *True West Magazine* named Abilene one of the Top 10 True Western Towns of the Year in its February/March issue, which has already been delivered to subscribers and will hit national newsstands on February 14.

"While a small community, Abilene's tourist attractions rival that of towns many times its population and this award celebrates not only Abilene's wild and woolly Chisholm Trail days but also our efforts to continue to enhance and promote our western history," said Julie Roller Weeks, Abilene CVB director.

In 2018, the town earned the #1 spot in the magazine's rankings and received recognition in its Best Promotion of a Historic Place category in 2022 and 2023, respectively.

Visitors to Abilene can explore its cowboy story by walking the streets of Old Abilene Town, riding the rails with the Abilene & Smoky Valley Railroad, touring the Dickinson County Heritage Center, following the Cowboy Boot Art Trail, enjoying western-themed murals, seeing the World's Largest Belt Buckle and Big Spur, and attending the Wild Bill Hickok PRCA rodeo.

To learn more about Abilene, visit www.AbileneKansas.org.

Soil Health Conference set for February 9 at Eastern Nebraska Research, Extension and Education Center

Registration is open for the 2023 Eastern Nebraska Soil Health Conference (formerly Nebraska Cover Crop Conference). The conference will take place on Thursday, Feb. 9 at the Eastern Nebraska Research, Extension and Education Center near Mead.

This annual event features innovative speakers who will share their experiences with a variety of soil health practices. This is an opportunity to learn about the latest in cover crops, diversifying crop rotations, biochar and other regenerative practices.

The event will take place from 9 a.m. to 3:15 p.m., with check in starting at 8:30 a.m. All sessions will take place at the August N. Christenson Center at 1071 County Road G, Ithaca.

Topics and presenters include: Moving forward requires looking backwards: Benefits of re-diversifying crop rotations

in the Midwest – Marshall McDaniel, Iowa State University; Interseeding cover crops into early-season corn and soybean – What we learned and next step – Farmer panel with Chad Dane (Clay County) and Jay Goertzen (York County) moderated by Jenny Rees, Nebraska Extension Educator; Practical tips for selecting and grazing forage cover crops – Mary Drownoski, UNL Beef Systems Specialist; Nebraska farmer's perspective on diverse crop rotations and intensification – Farmer panel with Angela Knuth (Saunders County), Garret Ruskamp (Cuming County), Kyle Riesen (Jefferson County), and Haldon Fugate (Gage County) moderated by Nathan Mueller, Nebraska Extension Educator; and Emerging topics in soil health (1.) Biochar and its potential as a soil amendment – Britt Fossum, UNL Graduate Student, (2) Opportunities for the perennial grain

Kernza® – What it is and how it is grown – Roberta Rebesquini, UNL Graduate Student and (3.) What's new in the cover crop industry – Davis Behle, Green Cover Seed.

There is no fee to attend, but pre-registration is required by Feb. 4. Registration available at: <https://enrec.unl.edu/nebraska-cover-crop-conference/>.

CCA credits are applied for and pending.

The event is sponsored by Nebraska Extension and the Nebraska Soybean Board.

For more information contact Nebraska Extension Educators: Katja Koehler-Cole, 402-504-1016, kkoehlercole2@unl.edu; Nathan Mueller, 402-821-2151, nathan.mueller@unl.edu; Aaron Nygren, 402-624-8030, anygren2@unl.edu; Todd Whitney, 308-995-4222, todd.whitney@unl.edu; and Caro Córdova, 402-472-6292, ccordova4@unl.edu.

Clay Center Cowboys for Christ elects officers

The Clay Center Cowboys for Christ held their annual meeting recently at the Clay County fairgrounds meeting room. In 2022 the group held eight local rides, and one out of state trail ride, hosted three Open Arena events for children, ran an EKHA sanctioned horse show, rode in six parades, and sponsored the Cowboy Church Service at the Clay County Fair. The members also assisted at the Clay County Fair Rodeo.

New officers were elected. They are: President Sam Tiemeyer, Vice President Bill Lahodny, Secretary Brittany Kobetich, Treasurer Wendy James, and Chaplain



Newly elected 2023 officers of the Clay Center Cowboys for Christ are, from left: Bill Lahodny-Vice President, Brittany Kobetich-Secretary, Sam Tiemeyer-President, Wendy James-Treasurer, and Kathy Martin-Chaplain.

Kathy Martin. New members are always welcome whether they are horse owners or not. Contact

Sam Tiemeyer (785-632-7623) or Brittany Kobetich (785-210-9016).

Hereford feedout numbers climb

More Hereford breeders and commercial users of Hereford genetics are discovering the feedlot and carcass performance of their genetics through various American Hereford Association (AHA) programs.

Currently, 94 participants from 22 states are feeding more than 1,400 head of Hereford and Hereford-influenced feeder cattle at HRC Feed Yards, Scott City. The numbers encompass the Hereford Feedout Program and the National Junior Hereford Association (NJHA) Fed Steer Shootout.

"Every year, we see increased interest in these programs from our members and their customers because of the value they find in benchmarking feedlot and carcass performance in their programs and then tracking subsequent performance relative to their benchmark," says Trey Befort, AHA director of commercial programs.

These cattle feeding opportunities enable participants to enroll a few head or entire pens of cattle. They receive ongoing updates about how their cattle are performing while on feed and then receive a collective summary of all cattle enrolled in the program to see how their cattle performed relative to the entire group.

"The value of this information and being more closely engaged with the cattle feeding sector has always been important. It is becoming invaluable as more cattle are channeled into specification-based, value-added areas of the supply chain," Befort says.

All participants can attend an annual educational field day at HRC Feed Yards, which delves into various aspects of the cattle markets, cattle feeding and beef packing. This year's event is April 15.

NJHA members enrolled in the Fed Steer

Shootout can partake of additional educational activities, including Beef Quality Assurance certification, as well as competitive opportunities throughout the program.

"These programs provide value to those who have never fed their cattle before and those who do so on a routine basis," explains Bill Goehring, Libertyville, Iowa, AHA president — a Hereford

breeder, commercial cow calf producer and sale barn owner and manager. "These programs are a convenient, cost-effective way for Hereford seedstock producers and their commercial customers to identify how their genetics perform in the feedlot and in the packing house. The data also adds increasing accuracy to the breed's genetic evaluation."



KJ 753D Tomahawk 605K ET, bred and owned by Jensen Bros, Courtland, was named 2023 NWSS Hereford Junior Bull Calf Champion.

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Cattle on feed down 4%

Kansas feedlots, with capacities of 1,000 or more head, contained 2.39 million cattle on feed on January 1, according to the USDA's National Agricultural Statistics Service. This inventory was down 4% from last year. Placements during December totaled 440,000 head, down 2% from 2021. Fed cattle marketings for the month of December totaled 370,000 head, down 14% from last year. Other disappearance during December totaled 10,000 head, unchanged from last year.

Kansas Agri-Women member Jean Goslin named to national board

Members of Kansas Agri-Women (KAW) represented the state at the 48th national convention of American Agri-Women (AAW), held recently in Bozeman, Mont.

Jean Goslin of Dwight was elected vice president of education for a two-year term.

AAW promotes the welfare of our national security through a safe and reliable food, fiber and energy supply. Since 1974, AAW members have worked together to educate consumers, advocate for agriculture, and offer networking and professional development opportunities.

KAW is one of AAW's first affiliates. KAW focuses on ag education and advocacy. Its motto is "From Producer to Consumer with Understanding." The organization is known for its "One Farmer Feeds" highway signs that promote agriculture's contribution to the state, along with other ag advocacy projects.

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K-State Garden Hour kicks off 2023 lineup

Even during the heart of winter, a popular online gardening series is drawing hundreds of Kansans to its monthly, lunch-hour programs.

Organizers of the K-State Garden Hour say the 2023 lineup – which kicked off on Jan. 4 – will continue a tradition of providing updated information on gardening topics that Kansans have asked for.

"We are excited to offer a new round of webinars in 2023, based on the topics our participants requested most," said Matthew McKernan, a K-State Research and Extension horticulture agent in Sedgwick County. "There's no better time than the cold, winter months to be planning for the coming year's garden."

A one-time registration gives viewers free access to all of the 2023 sessions, which include:

- Feb. 1 – More Plants from Your Plants: Introduction to Vegetative Plant Propagation.
- March 1 – Houseplants: Basics and Beyond.
- April 5 – Growing to New Heights with Vertical Gardening.
- May 3 – Drought Tolerant Plants for a Challenging Kansas Landscape.

- June 7 – Drought Tolerant Lawns of Kansas: Warm Season Turfgrass.
- July 5 – Solutions to Your Top Garden Insect and Disease Problems.
- Aug. 2 – Integrating Native Plants Into Your Home Landscape.
- Sept. 6 – Seed Saving From Your Garden.
- Oct. 4 – Putting Your Garden to Bed: Winter Garden Prep.
- Nov. 1 – Climate Change in Gardening.
- Dec. 6 – Beekeeping Basics: How to Start Your Own Colony.

The Jan. 4 program – Gardening Myths and Misconceptions – was recorded and available to watch anytime on the program's website, <http://www.ks-re-learn.com/KStateGardenHour>. McKernan said 834 viewers have already watched that video.

Each program is held online from 12 noon to 1 p.m. (CST), including a 45 minute presentation and 10-15 minutes for viewer questions. A description of each program is available online.

McKernan said those who have registered for past webinars must register again for the 2023

series. As in past years, recordings of all webinars can be viewed online.

The K-State Garden Hour began in the early days of the COVID-19 pandemic as a way for K-State Research and Extension horticulture experts to share research-based information to gardeners of all abilities and experience.

It has blossomed into a program that, in 2022, was watched by viewers in 40 states, eight countries and four continents, according to McKernan. Between January and December, the program drew 12,924 viewers, including a single-session high of 932 live viewers for a workshop on starting seeds indoors.

Since its beginning in 2020, McKernan said the K-State Garden Hour has drawn more than 42,000 online viewers.

McKernan said those who responded to a survey about the 2022 series indicated several positive outcomes, including:

- Nine out of ten participants reported decreasing their personal stress levels as a result of watching K-State Garden Hour webinars, which improved their overall physical and/or emotional health.

- 95% of participants reported increasing their quality of life by expanding their personal awareness and appreciation of the natural environment.
- 72% of participants said they have started, improved or continued to design their garden spaces to attract wildlife.
- 76% of participants reported spending more time gardening as a result of the webinars.

"It's incredible to see the impact and positive response from our K-State Garden Hour series audience," McKernan said. "Our entire team has enjoyed hosting the webinar series, and we're ecstatic to see people's confidence in gardening growing, as well as to see our participants' having greater success in what they are growing."

"We hope that enthusiasm continues into 2023 and people continue to take advantage of all the benefits this series has to offer."

In addition to information online, interested persons can also contact their local K-State Research and Extension office for more details on the K-State Garden Hour.

Be kind to your heart. Eat lean beef

One of the largest misconceptions about a heart-healthy diet is that beef must be eliminated. However, Penn State University researchers published the Checkoff-funded study Beef in an Optimal Lean Diet (BOLD). This important study supports the claim that lean beef can be included in a heart-healthy diet. Beef and heart health can go hand-in-hand.

Cuts with "loin" or "round" in the cut name is a way to ensure it is lean beef. Some of the top lean beef options are top sirloin steak, strip steak and 93% lean ground beef.

To promote and educate about lean beef's potential role in a heart-healthy diet, the Kansas Beef Council (KBC) created a Checkoff-funded campaign that features 12 American Heart Association® certified lean beef recipes.

The main component of this campaign is providing cardiac rehabilitation centers, dietitians and various health professionals around Kansas and the Kansas City metro area USB drives containing those recipes and videos about them. Other information about lean beef in a heart-healthy diet is provided for health professionals and patients alike.

"Health professionals are highly trusted by their patients. So, this campaign not only brings about recognition of peer-reviewed beef research and lean beef in diets, but also fosters positive relationships between the Checkoff and the health professional community," Stacey McClintock, National Nutrition and Health Committee member, says.

Additionally, an article written by Cheryl Mussatto, registered dietitian and author, about the benefits of lean beef has been published on different social channels including LinkedIn. The article also highlights what lean meat is and the different lean cuts of beef.

KBC also created different social media assets that will be shared across all platforms. This includes assets such as graphics for Pinterest to 15-second videos for YouTube ads.

KBC already has started sharing information about the recipes over social channels, but they will promote them primarily in February – which is American Heart Month.

"It is vital for the Beef Checkoff to share factual, science-based research demonstrating beef can be part of a healthy and active lifestyle," Scott Stebner, interim director of KBC, says. "Checkoff-funded efforts like this are an integral part to positively impacting beef demand through research, education, and promotion."

The campaign includes social media assets and Beef. It's What's for Dinner. branding so other state beef councils can promote and distribute the resources within their own states. Beef councils across the country have started ordering physical copies of the recipe cards. Over 16,000+ cards already have been ordered.



Jensen Bros, Courtland, exhibited the 2023 National Western Stock Show Reserve Champion Carload at Denver, Colo.

UPCOMING SPECIAL ISSUES

Crop Production & Protection - Feb. 14th

Farm Building - February 28th

Equifest (BOGO) - March 7th & 14th

Salina Farm Show (BOGO) - March 14th & 21st

Bring on Spring - March 21st

Hay & Grazing - April 4th

Ag Tech - April 18th

DEADLINES:

Crop Production & Protection - February 8th, before Noon

Farm Building - February 22nd, before Noon

Equifest (BOGO) - March 1st, before Noon

Salina Farm Show (BOGO) - March 8th, before Noon

Bring on Spring - March 15th, before Noon

Hay & Grazing - March 29th, before Noon

Ag Tech - April 12th, before Noon

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ARC/PLC annual decision date is March 15 for coming cycle

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

It might seem far away, but the March 15th deadline for making annual elections of either Agricultural Risk Coverage (ARC) or Price Loss Coverage (PLC) is just around the corner. Now is a great time to review past elections to help make elections for the coming program cycle.

There are some important points to remember. First, the 2023 election applies to 2023 harvested crops. Second, remember ARC and PLC both have components based upon marketing year average prices. The marketing year for fall crops starts September 1 of the cropping year and runs through August 31 of the year after harvest (the wheat marketing year is June 1 of the harvest year to May 31 of the follow-

ing year). In short, your decision is going to be made using prices that may/may not be similar to today.

This may be old hat for many, but it's still good to think through how these programs can help mitigate risk. For example, if commodity prices remain above reference prices and county yields are average or above (a great scenario), no PLC or ARC payments would be made. If commodity prices remain high but yields are below average (county level yields), no PLC payments will be made, but ARC County payments might. If yields stay average or above, but prices drop below the reference price: PLC payments will be made, but ARC-CO payment aren't likely – unless prices are very low. If yields are below average at the county level and prices fall below reference prices as well, PLC will pay and ARC-CO payments

will be made as well (though they may not be as large as PLC).

While yields and prices change, the same selection principals remain: if you want protection primarily against falling prices, PLC is a good option. If protection against revenue losses (price and county level yield factors together) is the goal, ARC-CO might be a better fit. For more information on ARC and PLC, visit: <https://www.agmanager.info/crop-insurance/risk-management-strategies/arc-or-plc-question>. If price projections are what you're after, visit: <https://www.agmanager.info/crop-insurance/risk-management-strategies/projections-and-sources-mya-prices-arc-and-plc-commodity>. These references are also available in printed format from any District Office.

CoBank Quarterly: inflation is beginning to loosen its grip

The U.S. economy will progressively slow through the first half of 2023 and fears of a recession are still high, and still warranted. Inflation and interest rate increases intended to combat swiftly rising prices are behind the broad economic slowdown. But with the unemployment rate at a 53-year low and inflation trending lower, forecasts are turning at least a little less gloomy.

U.S. consumers are still spending but doing so by increasing dependence on credit. They are also finally pushing back on price increases on goods, a response to continuous declines in real wages and dwindling reserves of pandemic savings. Like consumers, businesses economy-wide are also spending more cautiously, according to a new quarterly report from CoBank's Knowledge Exchange.

"The economic cracks that emerged in late 2022 in housing and tech are beginning to spread to manufacturing, finance and retail," said Dan Kowalski, vice president of CoBank's Knowledge Exchange division. "These sectors are showing signs of weakness but not to the degree of pointing to an imminent recession. Manufacturing and retail are both undergoing a normalization phase as pandemic consumption of goods has shifted to post-pandemic consumption of services."

The Federal Reserve raised its benchmark overnight rate by more than 400 basis points in 2022 and it is not finished hiking. The Fed has made it clear it is focused less on headline inflation and more squarely on the labor market and core services inflation excluding housing. With job growth far outpacing the availability of workers, the scarcity of labor is cause for concern, especially for the services sector.

China's abrupt reversal of its zero-COVID policy is unleashing the full brunt of the virus. The humanitarian toll has been severe. Little data is coming out of China, but reports have estimated that in some regions up to 75% of the labor force has been infected — forcing shutdowns at manufacturing plants and causing major delays in trucking and at ports. U.S. exporters are feeling the impacts now, as supply chain problems have been preventing the movement of many goods into and around China.

Grains, Farm Supply and Biofuels

Grain markets balanced several challenges in the fourth quarter, from the war in Ukraine and economic slowdowns in China and Europe to interest rate hikes in the U.S. and other developed economies. The continuation of these factors and La Nina weather conditions into 2023 will likely put pressure on grain storage and merchandising margins. Stocks-to-use ratios for corn, soybeans and wheat finished 2022 at multi-year lows driven by strong domestic demand.

For the second year in a row, ag retailers posted exceptionally strong revenue and profit growth, driven by sturdy grain market fundamentals. Interestingly, despite high spring demand and tight global supplies, fertilizer prices declined during the fourth quarter amid falling prices for natural gas. While the farm supply sector begins 2023 on strong financial footing, rising wages, higher interest rates and continued high transportation costs are likely to tighten margins.

Ethanol production in the fourth quarter nearly caught up to pre-COVID levels, averaging 15.5 billion gallons for the quarter. Profit margins averaged \$0.27/gallon compared to \$0.25 for the first nine months of 2022 and long-run historical average levels of \$0.25 to \$0.30. Profitability was well above average during October and November, but increasing corn prices, coupled with a 12% decline in ethanol fuel prices, pushed down margins in December. Year-round sales of E15 gained momentum with the Biden administration's announcement of its intention to review states' proposals.

Animal Protein and Dairy

Animal protein production surged in the fourth quarter, with the weekly average increasing 6% compared to the third quarter. While cold storage inventories edged higher through the second half of the year, they remain below the five-year average due to the ongoing strength of demand.

In a major shift from the prevailing conditions earlier in the year, chicken markets were well-supplied during the fourth quarter thanks to increased placements and higher live weights. Retail chicken prices remained

elevated, averaging \$1.85/lb. for the quarter. However, wholesale chicken prices crumbled amid the pressure of mounting supplies. Export markets have been less affected. Overall, U.S. chicken remains supported by global markets despite the weakening fundamentals at home.

Shrinking market-ready fed cattle supplies are bullish for cattle prices, but beef prices have drifted down from their summer highs. While retailers provided modest relief at the meat case during the fourth quarter, and a discount to year ago levels, consumer demand remained resilient despite comparatively high prices. At the wholesale level, however, beef prices have dropped from their elevated levels. From January highs to December lows, the boxed beef cutout lost 15% of its value. Processor margins suffered through the fourth quarter due to moderating beef prices and higher operating costs.

Nearby lean hog futures accelerated quickly to begin 2022 and had gained 68% in value by late July, peaking at \$122/cwt. Hogs retained much of that support through the third quarter. But despite tight hog supplies, valuation succumbed to the pressure of seasonal tendencies and processing limitations during the fourth quarter. The lean hog index dropped into the upper \$70s to end the year, and the hog market appears poised for a significant bounce in 2023.

U.S. milk prices continued softening in the fourth quarter with Class III milk futures falling 5%. Butter prices have also fallen in a faster-than-expected retreat. Spot butter prices are down nearly 10% from the record highs scored in October. Record large total U.S. dairy exports for 2022 carried through the fourth quarter, underpinned by recent weakening of the U.S. dollar. However, the outlook for U.S. exports in the first half of 2023 is deteriorating. Dairy product prices are expected to grind lower as post-holiday season demand wanes amid uncertain global demand.

Cotton, Rice and Specialty Crops

China's worsening COVID situation adds even more uncertainty to cotton markets, which were already under pressure from the deteriorating global economic outlook.

China represents about one-third of global mill use and textile exports, so widespread or long-lasting mill shut-downs would send cotton prices lower yet again. Cotton futures have fallen sharply since May. The steep decline in prices will impact 2023 cotton planting decisions and ultimately, global supply.

Rough rice prices climbed in the fourth quarter as USDA continued shrinking its estimate of the U.S. rice crop amid tightening global supplies. The 2022 U.S. long grain crop is down 8.9% year-over-year while the medium/short grain crop is down 30.7%. The small U.S. crop and strong U.S. dollar have stimulated imports of rice to a record fast pace, mostly of the jasmine and basmati varieties. Exports, meanwhile, have fallen as U.S. rice is priced out of the world market.

Sugar has been one of the best-performing U.S. farm commodities in 2022. Wholesale refined sugar prices averaged the year near \$0.60/lb., nearly double the long-term average. And the 2023 outlook is for continued price strength and resilient consumer demand for groceries, particularly in the sweet snack

and confectionery categories.

Frozen orange juice concentrate prices ended 2022 at the highest level since 2016 and near an all-time record high. USDA estimated Florida's crop in December at a sparse 18 million boxes, down 56% year-over-year and the lowest since 1937. Processors are filling their needs with increased purchases of imported concentrates from Mexico and Brazil.

Power, Water and Communications

Higher energy costs will continue to squeeze the majority of U.S. consumers this year. Nearly half of all U.S. households heat primarily with natural gas and they will spend 28% more to do so this winter, according to the U.S. Energy Information Administration. The cost of electricity this season is also set to increase, with consumers likely to notice a 10% seasonal adjustment in their bill. Unfortunately, high energy costs have a cascading effect, feeding inflation and hampering economic growth.

Charter Communications signaled its commitment to stick with its hybrid fiber-coaxial infrastructure as it announced a three-year plan to deploy

DOCSIS 4.0 across its cable footprint. This will bring top speeds of 10Gbps by 2025 at a cost significantly less than fiber. Comcast has also voiced its support for DOCSIS 4.0 and recently completed a trial in Philadelphia. These announcements are important to the broadband industry because they represent a meaningful competitive threat to companies deploying fiber to the home as cable companies build on their existing (and cost-effective) infrastructure. Meanwhile, a tight labor market and access to critical equipment continue to negatively impact operators' ability to meet their network build schedules.



AUCTION

SATURDAY, FEBRUARY 4, 2023 — 10:00 AM

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

FURNITURE, ART, SIGNS, COLLECTIBLES

Globe Wernicke stacking cabinet; Globe Wernicke 1/2 size stacking bookcase; marble top parlor table; hanging magazine rack; walnut clock shelf; carved wood barber pole; tin counter toothpaste display; 1847 Rogers Bros store display box; Missouri Pacific Lines calendar; Thermometers inc: Royal Crown; Dr Pepper; Coca Cola; John Deere Centennial plaque; advertising ashtrays & match holder; 20+ carved duck decoys; 2 Wendell Gilley carved ducks; pr. 1950s Richard Kohler carved ducks for Abercrombie & Fitch; cast iron spinning

animal target; large collection vintage fishing lures; several Southwest and wildlife paintings; Indian items inc: pottery, blanket, beaded holster, other; knives; Art glass & Art pottery; Pyrex; carnival glass; Pope Gosser china Dogwood pattern; Rosenthal (Maria) china; Mid Century Modern pottery; Masonic plaque & other; silverplate flatware & serving pieces; lamps; extensive toy collection; cast iron; large collection of Black Memorabilia dolls; 40 diecast cars; tin robot; man on Mars toy in box; models; hundreds of marbles; post cards; dresser scarves; huge stamp collection; **Signs inc:** Gargoyle Mobiloil lollypop

sign on Gargoyle cast iron base; Conoco; Clabber Girl, Buick Dealership, Sinclair Clean Rest Rooms, Goodyear Tires, Quaker State, Goodyear, Tops Tobacco, Robin Hood Flour, Daisey Hair Tonic, Coca Cola, Pabst Blue Ribbon, Elks, Mule-Hide, Ful-O-Pep Feed, 4-H; Phillips Morris boy; Mobil Motor Oils Sold Here, Mobil Oils & Lubricants Distributor, Kumho Tires, Goodyear hose rack, Regular price sign; Mobil & Skelly 5 gal cans; Mobil & Conoco 15 gal barrels; gas fill cans; oil jars; qt cans Pennzoil, Texaco, Getty, Skelly & Mobil cans; new old stock; 25 barrel bungs; assortment of other good items.

NOTE: This is a large, very quality collection. Check website for pictures www.thummelauction.com
Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067

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AG LAND

- *New Listing: 35 Ac +/- Hay Meadow on Blacktop S of Marquette. Call Lucas!
- *640 Ac +/- Pasture @ Longford. Excellent Grass, Excellent Water. Call Ty or Ray!
- *80 Ac +/- Tillable N of Windom. Call Derek!
- *80 Ac +/- Upland Tillable N of Windom. Call Derek!
- *80 Ac +/- Pasture, 2 Ponds, New Fence @ 81/24 Junction. Call Ray!
- *160 Ac +/- Tillable/Pasture at Junction City. Seller is Licensed Real Estate Agent.
- *122 Ac +/- Tillable SE of Salina. UNDER CONTRACT!

COMMERCIAL

- *Ottawa Co. Lumber, Minneapolis, KS. Great opportunity! Call Ray!

HORIZON HOMES

- *PRICE DROP! 341 Woodlawn Ave, Salina, KS. 2 bed/1 bath. Call Derek!
- *35 Ac +/- Build Site on Blacktop S. of Marquette. Call Lucas!
- *34 Ac +/- Build Site w/ Large Pond N. of Hedville. Call Derek!
- *40 Ac +/- Great Development/Building Site @ Junction City.
- *160 Ac +/- Development site, Junction City. Call Ray!
- *2107 Dove Rd., Bennington, KS. Under Contract. Call Samantha!
- *37 Ac +/- NE of McPherson. New 40x60 Building. SOLD!

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Last week, Jayne Humphrey Pearce and I represented the Fort Wallace Museum at the Buffalo Bill Cultural Center in Oakley for their Kansas Day Activities. The theme was Western Kansas Discoveries.

We got ‘em!
 We had less than half an hour with each class and we filled it with stories of our plesiosaur, discovered in 1867 by Dr. Theophilus Turner and Scout William Comstock. Then we shared the amazing discoveries of Floris Weiser. Mr. Weiser was an avid detectorist and with his metal detector he uncovered thousands of artifacts at buffalo camps, the old fort location, and other stage stops along the Smoky Hill Trail. He documented the location of each of these finds and we have them on display in the Weiser Room at the museum.

Is there a better way to mark the founding of our great state than sharing discoveries with students?

I have been blessed to participate in so many Kansas Day activities – from the Kansas Statehouse to Wallace County. Hearing students sing The Song of the Kansas Emigrant and pasting together construction paper sunflowers never gets old. They get excited about Kansas! As it should be.

Get excited about some Kansas history and share it all year long.

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



SIMULTANEOUS LIVE & ONLINE
LAND AUCTION
80 +/- ACRES • MARION CO., KS

Thursday, February 2, 2023 • 11:00 AM
Auction Location: Lincolnville Community Bldg,
213 W. Sixth St., Lincolnville, KS
Online Bidding: Bidding at gavelroads.com.

LEGAL DESCRIPTION: The North Half of the Northwest Quarter of Section 3, Township 18, Range 4 East.

DIRECTIONS: Travel 2 miles north of Lincolnville, KS to 310 Rd. Turn west and travel 1 ½ mile to parcel on the south side of the road.

DESCRIPTION: This tract is comprised of native grass, pond, cattle panels, timber and five wire fence. It is a clean, well maintained property. Solid characteristics for a cattle operation or recreational tract.

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See genefrancis.com for full auction flyer.

FARM EQUIPMENT AUCTION
WEDNESDAY, FEBRUARY 8, 2023
* **TIME: 10:30 AM CT / 9:30 MT**
LOCATION: 12251 CR EE, LAS ANIMAS, COLORADO
From Las Animas, Colo., South 3 miles on Highway 101 to bridge, ¼ mile East, 1 mile North.
Certain items will sell LIVE & ONLINE at
www.equipmentfacts.com powered by TractorHouse.com
Online bidding to start at 1:30 CT

TRACTORS, BACKHOE, GRADER: 2001 CIH MX120 tractor, mfw, 3-remotes, joy stick, ps, 4560 hrs. w/Quike Q908 loader, bale forks, Ser # 112343; 1995 CIH 7220 tractor, mfw, ps, rc, 18.4-R-42 tires, no duals, 6,230 hrs., Ser#: JJA006659; 1987 CIH 7120 tractor, mfw, duals, ps, rc, 7,335 hrs., Ser#: JJA0087; IHC 230 tractor, nf, gas, 2 pt., runs; 1997 JD 310E tractor backhoe w/scoop, 3640 hrs., nice cab, Ser.# 310EX851942; Galion 188 road grader, runs, Ser # 05526.

TRUCK & PICKUPS: 1981 Chevy truck, 5x2 spd. trans., V-8 motor, 70, 222 miles, 20 ft. bed & hoist, roll over tarp; 2002 Ford F-350 Lariat Super Duty, 4x4, auto, diesel motor, 267,000 miles, runs good; 1987 Ford Ranger pickup, 5 spd. trans., 130,800 miles; Chevy truck (non-running) w/propane tanks & weed burner attachment.

FARM EQUIPMENT: JD 7100 vacuum planter, 3 pt., 6-row, markers; JD 450 disk drill, 6"x16", alfalfa attach.; JD 400 rotary hoe, 8-row, 3 pt.; JD 340 disk, 14 ft.; Lely Roter 18 ft. rotary springtooth; Eversman ditcher; JD ditcher; (2) JD 825 cultivator, 6-row; IHC 600 flail shredder, 18 ft.; Case 145 roll-over plow, 5-bottom; Lilliston 6-row rolling cultivator; Hancock dirt paddle scraper, PTO; Eversman 2000 land plane, 3 pt.; (2) Wilmar dry fertilizer spreaders,

pull-type; 3 pt. furrower bar, 6-row; IHC spring shank cultivator, 6-row; 16 ft. folding disk; Bush Hog 6-row rolling cultivator; CRW rod weeder, 6-row; Servis ditch mower, 5 ft., 3 pt.; IHC 6-row cultivator; Shop built land plane; 3 pt. head gate cleaner.

OTHER FARM ITEMS: Small storage container; Westfield 80ft.x8" auger, PTO; Farm King 44 ft.x8" auger, PTO; Mayrath 6"x42 ft., hydraulic; 500-gal fuel tank; (2) 500-gal fuel tank on stand; Bulk feed tank; Scrap iron; Lots of parts & repairs; JD 322 garden tractor, non-running; JD 80 lawn trailer; Pumps; Deer horns; Used tires.

SHOP ITEMS: Napa floor model battery charger; Large portable shop fan; Century AC-DC arc welder, 250 amp.; Miller Matic 200 wire welder; Welding table; B&D chop saw; Come-a-long; Cherry picker; Log chains; Floor jack; 10-ton Black Hawke floor jack; Dollies; Rockwell drill press; Coats tire machine; Craftsman table saw; Craftsman cut off saw; Step ladders; Shovels, rakes, hoes; Craftsman 5½" jointer; Hand tools; (2) Platform scales; Electric hand tools; Air tools; Parts asst.; Mechanics tool chest; Space heater; Pipe wrenches; Tap & die sets; Pry bars; Cutting torch, bottles & cart; Packard band saw; PTO shafts; Air tools; **Lots of other items.**

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Angus Foundation hosts 150 Years of Angus celebration

By Peyton Schmitt, Angus Communications

The Angus Foundation kicked off the year with a celebration commemorating 150 years since Angus cattle first arrived in the United States. The 150 Years of Angus celebration was held January 6 in Oklahoma City during Cattlemen's Congress and raised nearly \$20,000 to support the Foundation's mission. The event welcomed the Angus family for an evening of fellowship and featured refreshments, door prizes, auction items and the announcement of the 2023 Angus Herdsman of the Year.

In 1873, George Grant settled in Victoria, Kansas, with four Angus bulls from Scotland. In the following 150 years, the breed has built a legacy in the beef industry. The Angus Foundation works to ensure this legacy continues through its mission to support education, youth and research efforts for the breed. In support of the Foundation's mission, the event featured several auction and door prize items. Past National Junior Angus Board foundation director Josh Jasper served as the auctioneer, and items sold included: a Live Oak Plantation Experience, an

Angus History Sketch, a Custom Greeley Hat and a Two-Night Wine Country Getaway for Six.

“We had a wonderful evening celebrating this huge milestone for our breed with the Angus family,” said Jaclyn Boester, Angus Foundation executive director. “It's through our donors' generous support that we can ensure the legacy we've built for the last 150 years continues well into the future.”

The program concluded with the announcement of Jeff and Kathi Creamer of Lazy JB Angus, Colorado, as the 2023 Angus Herdsmen of the Year. The Creamers' longstanding

dedication to Angus cattle is a testament to the breed's influence on cattlemen and their operations.

“We always feel fortunate to have an opportunity like this for our breeders to gather,” said Mark McCully, American Angus Association CEO. “This year it's extra special as we commemorate such an important event in Angus history.”

The Foundation supports a diverse set of efforts focused on ensuring the Angus legacy remains strong. For more information about the Angus Foundation, visit www.AngusFoundation.org.

Dairy industry eager for reforms to federal milk marketing orders

U.S. dairy producers and processors are paying close attention to preliminary discussions about the 2023 Farm Bill in anticipation of critical reforms to Federal Milk Marketing Orders (FMMOs). Prevailing consensus within the industry is that the FMMOs currently in place do not reflect today's market environment, which could increasingly have detrimental consequences for dairy processors and farmers alike.

Key among the industry's concerns are so-called “make allowances,” an important part of FMMOs that have not been updated since 2008 and were based on data from as far back as 2006. Make allowances are an estimate of dairy processors' cost of converting milk into dairy products. Many of those production costs,

including labor and energy, have skyrocketed since make allowances were last updated 15 years ago.

According to a new research brief from CoBank's Knowledge Exchange, the discrepancy between the make allowances currently in place and actual manufacturing costs sends inaccurate price signals to the marketplace, potentially leading to a misallocation of capital and resources.

“Inadequate make allowances may lead to underinvestment in dairy processing facilities or result in over investment in low-cost plants,” said Tanner Ehmke, lead dairy economist for CoBank. “Ultimately, that could result in limited market access for U.S. dairy products and allow international export competitors to meet the rising glob-

al demand for high-value dairy products.”

Aside from milk and other milk components, which are the highest input cost for dairy product manufacturers, plants also spend money on labor, energy, packaging, transportation and other inputs to create finished products. The combined costs of labor and utilities like energy account for at least one-third, and up to one-half, of total production costs for dairy manufacturers.

While current make allowances in FMMOs have remained static since implemented in 2008, prices for industrial electric power rose 64% from 2006 to 2022, according to U.S. Bureau of Labor Statistics. Industrial natural gas prices fell 11% but were highly volatile. Labor costs in dairy product manufacturing climbed 48% per unit of production

from 2006 to 2021.

“Cost structures among dairy processors or handlers will continue to change, requiring more frequent adjustments to make allowances over time,” said Ehmke. “And while updating make allowances does not guarantee more investment in new processing assets with every handler, failing to update them may result in lost market access and diminished growth opportunities for the U.S. dairy industry long term.”

Make allowances are also used to set the monthly minimum prices that regulated processors must pay for farm milk. While the first effect of increasing make allowances would be to lower prices paid to farmers, reducing the industry's vulnerability to international competitors and export market access offers important long-term benefits.

LEE VALLEY, INC.
ANNUAL SPRING CONSIGNMENT AUCTION
THURSDAY, FEBRUARY 16, 2023 * 8:30 AM
Live Auction held at 1325 Hwy. 75, Tekamah, Nebraska

Tractors - Tillage
Harvest & Grain Handling
Trucks, Trailers, Vehicles
Antiques, Hay & Livestock, Construction
Planting & Spraying
Miscellaneous
Sale Listing & Details at: www.leevalley.net
ONLINE Bidding & Photos at: www.Equipmentfacts.com
Online Sale Consignments will be accepted until 2/10.
All Items received after 2/10 will be sold,
but not included in online bidding.

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ANTIQUE & COLLECTIBLE AUCTION
SATURDAY, FEBRUARY 11, 2023 * TIME: 10:00 AM
LOCATION: Community Building, at the fairgrounds, East edge of LEOTI, KANSAS
AUCTIONEER'S NOTE: This is the first day of a two-day auction for this exquisite collection, many pieces you may have never seen before. Day 2 is February 25th.

ANTIQUE FURNITURE: Oak hall tree w/seat (one of a kind); Wooden telephone booth, neat; (2) Entry tables; Small oak drop front desk; Duncan Phyfe round end table; Wooden claw foot end table; Pressed back rocker; 3-stack layers bookcase; Oak table, makes into chair; Round glass front china hutch; 50s red table & chairs; (2) Pepsi Cola pop machines; Copper clad wood burning cook stove (nice); Straight chairs; Corner cabinets; 40s curio cabinet.

COLLECTIBLE ITEMS: (3) Pepsi metal bottle carriers w/ bottles; Pepsi crates & displays; Coca Cola memorabilia; Coca Cola metal ice chest; Pepsi metal ice chest; Coors metal ice chest (one of a kind); Coors lights & clocks; Lots of Coors memorabilia; Coors glasses, steins, etc.; (2) Coors bar lights; Waterfall picture light; Maelbaugh grape pop wooden crate & bottles; Large soda bottle collection; (2) Rotating picture lamps; Parking meter; Old stop lights; Old traffic signs; Red & white metal stool; Fire extinguisher ad; License tags.

PRIMITIVE ITEMS: Hanging kerosene lamp w/shade; Chicago Telephone Co. wooden hand crank phone; Coffee grinder; Brass banquet oil lamp (different); Wooden keg mallet; “Gone With the Wind” style brass lamp; Aladdin oil lamp; Sad irons; Round metal voting box; Walking cane stand; Old drill; Bridge anvil-Pittsburgh Pa. (very unusual); Peter Wright anvil & 6 other anvils, various sizes; Barn & RR lanterns; Lots of antique tools; Old Santa Fe RR tools; Cast iron match holders; Old scales-store, platform, etc.; Old saddle; Traps; Cast iron cow bells; Wire baskets; Sand spoons; Cast iron dinner bell; Painted saws; Cast iron train & other old toys; Pitcher pump walk behind plow; Full set of Mountain Bell high line pole tools; Fishing creel; Many other primitive items.

GLASSWARE: Chocolate set; Perfume bottles; Art glass; (75) Head vase collection; Collector's plates; Coors pottery; Silhouette pictures; Crystal glass; Nippon & Japan china; Bavaria; Occupied Japan; Shoe collection; **Many other pieces of glass.**

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NOTICE: Due to Covid-19, you are responsible for your own SAFETY and HEALTH. The auction company nor the seller will be held responsible. Social guidelines are in place, so please be respectful. We know auctions are a hard place to social distance, so we will have masks and hand sanitizer available. Enjoy the auction!
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FIREARMS AUCTION Reminder
SUNDAY, FEBRUARY 5, 2023 - 9:30 AM
220 West 17th, OTTAWA, KANSAS
Celebration Hall, Franklin County Fairgrounds
130+ OUTSTANDING FIREARMS
LONG GUNS Including Winchester, Remington, Marlin & More!
REVOLVERS & PISTOLS *All ATF Rules Apply KS Residents Only!
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ANNUAL CONSIGNMENT AUCTION
SATURDAY, MARCH 25, 2023
DURHAM, KANSAS (North edge)
Annual Farm Machinery & Farm Miscellaneous
Auction held in conjunction with G&R IMPLEMENT.
Start looking around & sell what you don't use & others need!
Call NOW to CONSIGN & Advertise Your Farm Machinery, Trucks, Trailers, Livestock Equipment, Farm Tools & Misc.
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ROGER HIEBERT, Auctioneer/Sales Assoc. – 620-382-2963

COIN AUCTION
SATURDAY, FEBRUARY 11, 2023 - 9:30 AM
2110 Harper Dg. Fairgrounds - LAWRENCE, KANSAS
Bldg. 21 Climate Controlled! * **500+ Coin Lots**

GOLD COINS
All Mint Condition Most UNC!
2016 American Gold Eagle 4 Coin Set Eagle 30th Anniversary West Point Mint \$50/\$25/\$10/\$5, 2015 Am Liberty Gold \$100 Coin MS70, 1992 Am Eagle Gold \$50 Coin MS69, 2000 Am Eagle Gold \$25 Coin MS69, 2004 Am Eagle Gold \$25 Coin MS69, 2013 Buffalo Gold \$50 Coin MS70 Early Release 100th Anniversary, 2014 Buffalo Gold \$50 Coin MS70, 2015 Buffalo Gold \$50 Coin MS70, 2016 Buffalo Gold \$50 Coin PF70 NGC, 2009 Double Eagle Gold \$20 Coin w/Wooden Case & Book, 2014 Baseball Hall of Fame \$5 Coin, 2008 & 2014 Buffalo \$5 Coins, 2010 Am Eagle \$25 Gold Coin, 2016 Am Eagle Gold \$10 Coin MS70, 2008 Am Eagle Gold \$5 Coin NGC, 1906 Half Eagle Gold \$5 Coin MS63, 1926 Indian Head Gold

\$2.50 Coin MS61, 1987 Commemorative US Constitution Silver Dollar & \$5 Gold Set, Am. Eagle Gold \$5 Necklace, 2015-2016 Am Eagle Gold \$5 Coins.
SILVER COINS & MISC.
2015 Am Eagle Silver Dollar 20 Coin Sleeve MS65+, 2012 Am Eagle Silver Dollar 20 Coin Sleeve MS65+, Am Eagle Silver Dollars, 5 Coin Brilliant UNC Morgan Dollar Sets, Morgan & Peace Silver Dollars, Silver Dollar Sets, Silver 5 Dollar Coins, 120+ Walking/Ben Franklin/Kennedy Half Dollars, 650+ Pre 65 Silver Quarters, Mercury/Roosevelt Dimes, Buffalo Nickels, Eisenhower Dollars; Lincoln Head 1 & 2 Book Sets; Indian Head Pennies; UNC US Coin Mint Sets; Special Mint Coin Sets; S-Mint Series Coin Collection; \$1 & \$2 Red/Blue/Green Seals; Silver Foreign Sets & Coins!

Many Others Too Numerous to Mention!
AUCTION NOTE: Most Coins Mint Condition/UNC/Graded/Sleeved! Very detailed listing on the Internet! Very Impressive Collection, Highlights ONLY! The Quality is Outstanding! Do Not Miss This Opportunity! Concessions: Worden Church Ladies. **INSPECTION DAY OF AUCTION ONLY!**
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Grass & Grain Area Auctions and Sales

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

Hundreds of auctions, on-line and in-person. www.kansasauctions.net/gg/

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

January 30 — Live & Online Absolute Land Auction consisting of 4,382.92 acres m/l in Lincoln, Russell & Osborne counties selling in 8 tracts. Auction held live at Russell with online bidding at ranchandfarmauctions.com. Auctioneers: Ranch & Farm Auctions in cooperation with Whitetail Properties Real Estate, LLC.

January 31 — Machinery auction including JD 4960 tractor & other tractors, NH 664 big round baler,

4-wheel trailers, cattle trailers, semi tractors, pickups & lots more machinery, held live West of Jewell (with online bidding at www.thummelauction.com) for Calvin Bohnert Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

February 2 — Simultaneous Live & Online Land Auction selling 80 acres m/l of Marion County land comprised of native grass, pond, cattle panels, timber & 5-wire fence held live at Lincolnville with online bidding at gavelroads.com. Auctioneers: Gene Francis & Associates Real Estate Brokers & Auctioneers.

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

February 4 — Antique furniture, art, signs, collectibles, pottery, glassware, toy collection & more held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

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

February 5 — Antique furniture, Mid-Century items, crocks, toys, advertising items including signs, pictures, lots of collectibles held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

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

February 8 — Live & Online Farm Equipment Auction consisting of Tractors (2001 CIH MX120, 1995 CIH 7220, 1987 CIH 7120, IHC 230), 1997 JD 310E tractor backhoe, Galion 188 road grader, Trucks & Pickups, Farm Equipment, Farm & Shop items & lots more held live at Las Animas, Colorado with online bidding on certain items at www.equipmentfacts.com for Loyde P. Gardner Trust B. Auctioneers: Berning Auction, Inc.

February 11 — Selling tractors, stock trailer, older farm machinery & much more held Southeast of Osage City for Mrs. Sylvia Riepen & the Late Garman Riepen. Auctioneers: Wischropp Auctions.

February 11 — Lots of New tires, large selection of Used tires, equipment & tools, H&H utility trailer, restaurant equipment, collectibles inc. signs &

more held at Seneca for Log Cabin Service and Cafe, Dale & Glenda Wilhelm. Auctioneers: Wilhelm Auction Service.

February 11 — Over 400 Lots of Coins including mint & proof sets, foreign coins, silver rnds., large cents, Nickels, Dimes, Gold, Peace & Morgan dollars, currency & much more held at Portis. Auctioneers: Wolters Auction.

February 11 — Antique & collectible auction including antique furniture, wooden telephone booth, collectibles (Pepsi & Coca Cola items, Coors, parking meter & more), primitives, antique tools, old Santa Fe RR tools, traps old toys, glassware & more held on the East edge of Leoti for the Late Teresa Duncan & Larry Duncan. Auctioneers: Berning Auction, Inc.

February 11 — Coin auction including gold coins, silver coins, sets & much more; many are graded & sleeved held at Lawrence for a 1-owner collection. Auctioneers: Elston Auctions.

February 11 — Kawasaki Mule 4010 side by side, Yamaha Big Bear 400 4-wheeler, Tractors, Combine, Trucks, Machinery & tools, antiques, wood boxes, glassware, primitives & household held near Smith Center for Higby Farms, LLC. Auctioneers: Thummel Real Estate & Auction, LLC.

February 16 — Nemaha County Real Estate auction consisting of 155 ac. m/l of brome hay & mixed grass pastureland, good fences, solar powered well & 2 ponds held at Holton for William (Dale) & Ilah Rose Askren. Auctioneers: Harris Real Es-

tate & Auction, LLC., Dan Harris.

February 16 — Lee Valley, Inc. Annual Spring Consignment auction including tractors, tillage, harvest & grain handling, trucks, trailers, vehicles, antiques, hay & livestock, construction, planting & spraying & miscellaneous held live at Tekamah, Nebraska with on-line bidding available at www.EquipmentFacts.com. Auctioneers: Lee Valley, Inc.

February 16 — Sumner County Land Auction consisting of 335 acres m/l of Farmland, Pasture, Hunting Land with 225 ac. m/l of FSA cropland acres & 110 ac. m/l of pasture held at Argonia for The Garnett G. Clayton Trust No. 1. Auctioneers: United Country Real Estate, Crossroads Auction & Realty.

February 19 — Antiques & collectibles inc.: Furniture, Japan slot machine, large chicken collection, perfume bottle collection, doll collection, toys, kerosene lamps, jewelry, glassware, Christmas items, books & much more held at Salina for Marla (Leander) Byquist Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

February 20 — Shawnee County Land Auction consisting of Tract I: 40 ac. m/l mostly tillable; TII: 57 ac. m/l, 38 ac. m/l tillable, great building opportunity or excellent hunting ground located in Berryton area on SE 89th St. held live at Topeka and online (www.superiorlandgroup.hibid.com) for Kennedy Revocable Trust. Auctioneers: Superior Real Estate & Land Group, Wischropp

Auctions.

February 23 — Land Auction consisting of 76.84 acres m/l of Chase County Flint Hills Cropland, Rec. Pasture & Hay, great hunting, artesian well & more held at Cottonwood Falls for Larry & Thelma Blosser. Auctioneers: Griffin Real Estate & Auction.

February 25 — Special Offering of spacious building lots from 1.7 to 4.45 acres conveniently located in the Highway 24 corridor between Manhattan and Wamego. Lots are build ready. Auction to be held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC. in cooperation with Flint Hills Outdoors, LLC.

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

March 11 — Toy Tractor Auction held at Beattie (inside Community Center) for Don Groshong. Auctioneers: Olmsted & Sandstrom.

March 25 — Spring Machinery Consignment auction held at Holton (online bidding through EquipmentFacts.com. Auctioneers: Harris Real Estate & Auction, LLC.

March 25 — Annual Farm Machinery & Farm Misc. Consignment auction including farm machinery, trucks, trailers, livestock equipment, farm tools & misc. held at the North edge of Durham in conjunction with G&R Impement. Auctioneers: Leppke Realty & Auction.

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

Don't underestimate importance of winter bull management

By Heather Smith Thomas

Ideally, bulls should be separated from the cow herd after the breeding season to give them a chance to regain body condition if they lost weight. Winter management of bulls is important to ensure bulls are healthy and in top shape for the next breeding season.

Marty Lueck, Jourgagan ranch manager at Missouri State University, says bulls must be fed enough to have adequate body condition and a little reserve. He turns some bulls out in November for breeding the fall-calving herd, but says they are in good flesh — body condition score (BCS) of six on a nine-point scale — and easy-doers. This makes a difference.

"Many breeders today are pushing for growth and carcass traits, and some of those bulls are not grass cattle and a little different to maintain," he says. High-performance genetics need more care and feeding.

Lueck says he selects for a very maternal cow herd. Carcass traits are

part of the whole picture, but they must balance with good structure, maternal traits and udder quality.

"We pay a lot of attention to the cow side, and our breeding program takes a little different type of bull," he says. "Some of the high-marbling bulls take more feed to make it work, and they still look rough sometimes."

Nutrition

Cody Gariss is a third-generation cattle producer who operates the Gariss Ranch near Lamar, Mo., and has a lot of experience taking care of bulls.

"Most of the things involved in winter bull management are very basic, but important," he says, noting lower temperatures increase energy needs. "We hear a lot of talk about protein, but energy level in the diet is also crucial in winter. Cattle have certain energy needs that must be met, especially during cold weather."

Gariss is in the seed-stock business, so he manages a lot of young, growing bulls, as well as mature bulls. Although young bulls must be managed differently since they

are still growing, there are similarities in that they all have to eat a certain amount of dry matter (DM) each day. The principle is similar whether you are feeding a growing 1,200-pound bull or a mature 2,000-lb. bull.

"You need to know what the expectations are in terms of amount of dry matter per day," he says.

In cold weather bulls need a diet that includes available energy, since they require more calories to stay warm while maintaining body condition. There are many good ways to feed bulls and many different feeds that work. It usually depends on what's available and what it costs.

It's also important to have a dependable water source that doesn't freeze.

"We generally think about the importance of water during summer when it's hot, but it's equally important to have adequate water in the winter," says Gariss. If cattle don't have enough water, they won't eat enough.

Protection from the elements

They may need bedding in cold weather.

"If the bulls are out on pasture or out with cows in a breeding season for fall calving, they are often on good stockpiled fescue pasture. They don't need bedding in that situation because they have some grass to lie down in. Bulls in drylots or on very short grass, however, probably need bedding when temperatures drop."

This can help prevent scrotal frostbite. An inexpensive bale of straw can prevent a lot of problems and protect the fertility of those bulls, Gariss explains.

Windbreaks are important to reduce wind chill and frostbite.

"In our part of the world, most farms have natural windbreaks, but if you are in more open country, the wind can be very brutal and artificial windbreaks will be needed," he says.

"Bull management may be more critical for a bull that is breeding fall-calving cows than for a bull that has the winter off and only needs to recover from summer breeding season,"

says Gariss.

If bulls are in pens away from the cows during winter, make sure they are in compatible groups — bulls of similar size and age, Gariss recommends. Young bulls with older, dominant bulls may get picked on and not do as well, especially if older bulls keep them away from

the feed.

A good health program is also important.

"In the fall, I like to use a pour-on dewormer that not only controls worms, but also the lice. If bulls have lice, they can be miserable, rubbing out hair, damaging facilities with their constant rubbing," says Gariss.

New Young Stockmen's Academy class announced

The 2023 KLA Young Stockmen's Academy (YSA) class will again be made up of 20 young producers from across the state. Merck Animal Health remains the exclusive sponsor of the program.

Each year, YSA consists of four seminars that expose members to the importance of KLA's voice in the legislative process, producers' responsibility as agricultural advocates, the need for progressive livestock operations and how other industry segments, including animal health suppliers and agribusinesses, fit into the food supply chain. The class also will participate in KLA's policy-making process. Their first meeting will be February 14-15 in Topeka.

Members of the 2023 KLA YSA class are Jack Adams, Plains; Erica Auchard, Cimarron; Cole Baumgartner, Westmoreland; Tara Jo Bina, Halstead; Eric Blythe, White City; Allison Castilleja, Satanta; Emily Grund, Wamego; Logan Hoobler, Perry; Cody Howell, Chanute; Cooper Imthurn, Maple Hill; Kyler Jost, Spring Hill; Arlan Newby, Haven; Garret Otter, Alma; Cole Renner, Monument; Garret Smith, Great Bend; Leslie Smith, Ashland; Bubba Sullivan, Sublette; Brody Thayer, La Cygne; Jose Woolfolk, Hugoton; and Jay Ziegelmeier, Hays.

AUCTION

SUNDAY, FEBRUARY 5, 2023 — 10:00 AM

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

Oak wardrobe; oak parlor table; oak library table; pine step back cupboard; 1800s walnut cradle w/forged hardware; black country cupboard; marble top Victorian dresser; walnut M.T. dresser; walnut gentleman's chest; oak kitchen cabinet w/frosted glass; oak fainting couch; oak baby bed; Morris chair; Grandfather clock; Victorian rocker; mid century phonograph; mid century floor lamps; mid century M.T. end tables; Art Nouveau foot stool; floor model Pac Man Machine Midway 1981 Bally Co. works perfect; Oak tobacco box "Whitewater Encampment W.F. Churchill 1895; oak/glass voting ballot case; Aikin Lambert B's gold pens curved glass showcase; Boye Sewing Needles showcase; oak collar showcase; double wheel store coffee grinder; 1941 Challenger peanut machine; 1909 Pep-sin Tutty Fruity gum display; oak collar box; wooden barber pole; Gilcrest malt mixer; 1936 Seven Dwarf figures; 6 drawer spice cabinet; Victorian hanging lamp; carmel slag hanging lamp; stain glass window; **Crocks:** Dobson & Branns pickle jar w/lid; Fairchild crock jug; 3 gal RW water cooler w/

lid; 30 gal RW; 6 gal RW churn; 3 gal Western churn; 2 gal Buckeye churn; 4 gal salt glaze churn; 3 gal RW jug; several RW crocks; 1880s passenger train water cooler; Victorian baby buggy; 1890 wicker baby stroller; 150 spice tins (Happy Kids; Peanut Butter; Aircraft; Kansas; Lee; Courthouse; Happy home; Planters; American Aces; Portage Tobacco tin); horse weather vane w/ball; brass saxophone; Jayhawk collectibles; Toys inc: (CI Yellow Taxi; Massey Harris, Tru Scale & Gleaner combines; other farm toys); Auburn rubber cars; circus shooting gallery; Flying O bike; Sterling Skiptooth bike; Roy Rogers pencil set; several watch fobs; Cyrus Hall McCormick coin; O. W. Schulze Reserve trade coin; George Washington coin; Washington, Ks. Fire Dept badge; Kansas centennial coin; Railway Conductors watch fob; **ADVERTISING:** Fairmont Ice Cream clock; signs (Nesbitts Orange Drink; Squirt Soda; Hires Root Beer; Chesterfield; Squirt; Dr. Pepper; neon Budweiser beer; Kyanize Paints; 7x2' Chesterfield; King Van Lines; Red Wing linseed oil; E A Schleier ther-

mometer; **Pictures:** yard long Pacific Tea Co 1898 girl; Indian Madin; Almon signed painting; 1903 H.G. Hammond oil painting; Medcalf Case machine print; 1911 charcoal signed print; Round Grove Farm Greenleaf, Ks picture; 1909 football picture; Beattie pictures; 30 framed prints; Army picture; Halloween masks; crock insulators; perfume bottle set; Staghorn cutlery set; mini brass fishing reel; 50 pcs early paper inc: farm manuals (McCormick, Massey, Ford); CI dog door stop; 100 hankies; 50 tea towels; quilts; ladies hats; costume jewelry; silver topaz ring; AWA human hair jointed doll; duck decoy; bronze parrots; bakelite Victor & Firestone radios; Kennedy for President button; Hull pottery; milk glass spice set; Perez adv plate; Victorian plates; Wedgewood cameo set; decanters; adv button key; rag rugs; wash tubs; buggy wheels; violin; wire store rack; wooden boxes; wood jars; CI pump handles; blue-en planes; 50 pc. graniteware; ornate cast iron shelf brackets; collection of other good items.

AUCTION

SATURDAY, FEBRUARY 11, 2023 — 10:00 AM

18061 90 Road, SMITH CENTER, KS (3 miles East of Smith Center on Hwy. 36 then 7 miles North on S Rd.)

SIDE BY SIDE, 4 WHEELER, TRACTORS, COMBINE,

TRUCKS, MACHINERY & TOOLS

Kawaski Mule 4010 side by side, cab, dump box, 157 hrs; Yamaha Big Bear 400 4 wheel drive 4 wheeler w/sprayer; IHC 656 gas tractor, Hydrol, cab, dual hyd., 2 pt fast hitch, w/Farmall F11 loader; Farmall Super M wide front w/Farmhand loader w/6 attachments; Tucker 10' pull type speed mover; Little Rhino 3 pt. 6' blade; Hutchinson 8' 40' PTO auger; Gleaner L2 diesel combine doesn't run; 24' AC header; gooseneck tandem axle header trailer; 2-20' headers; 2 wheel wood manure spreader; 3 pt. mist blower; 3 pt. post hole digger; IHC 5000 self propelled swather doesn't run; 2 wheel swather trailer; 1978 Chev tandem axle truck, V8 366, 5 sp, 2 sp., air brakes, 24' flatbed w/ big bale bed; 1970s Chev C60 tandem axle truck, big block, 5 sp., 24' metal box, doesn't run; Dodge mini van for parts; 1965 Chev car; 2 wheel trailer; Winkle portable loading chute w/portable corral panels; wire winder w/ gas engine on 2-wheel trailer; 300 gal fuel barrels; Lincoln DC 180 welder on 2 wheels; gate making jig; Lincoln 225 welder;

A frame w/2 chain hoists; K-T ½" drill press; metal band saw; Olson band saw; table saw; tire machine needs work; floor jack; sickle grinder; tool box; combination wrenches; floor jack; chain hoist; assortment tools; creepers; screw jacks; aluminum ladder; gas engines; Snapper trailer; older riding mowers; rear tiller; aluminum ramps; T posts; cattle gate; wire cattle panels; tractor tire chains; 30 cedar posts; large Clipper seed cleaner; assortment of pipe & iron; bolt bins; top link; barb wire; fence wire; assortment of other items.

ANTIQUES, HOUSEHOLD

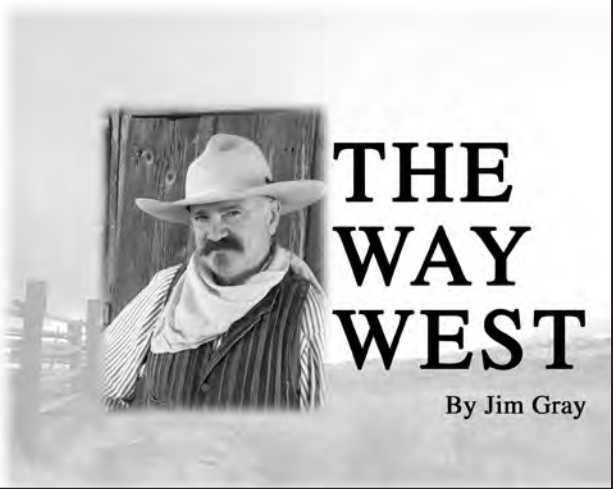
Firestone tire racks; Firestone sign; Tire Repair sign; AT Ferrell & Co bean grader; large cider press; Oak curved glass secretary; oak flat glass secretary; wooden meat block; oak dresser; Columbia upright phonograph; player piano; oak rockers; painted dresser; double school desk; mirrors; Wood boxes inc: Red Mule, Bear, other; handmade ship & fort; tapestry; Depression glass; Pyrex; assortment of glass; Homer Laughlin dishes; pocket watches; Ivan Burgess book; Dog Playing Cards pictures; salt & peppers; china

head dolls; pop bottles inc: Old Colony, Vess, other; yardsticks; Gimlet; stamps; many small items; kerosene lamps; apple peeler; barn lanterns; copper boiler; oak wall telephone; pot bottles; water can; shoe lass; 1956 Future Farmer magazines; etched door glass; wash tub on stand; wire baskets; store scale; cream separator; cast iron waffle iron; car tags; jars; Vornado fan; crock canning jar; 5 gal Western; brown top crock jugs; Mobil & Soco oil barrels; yard fence; pitcher pump parts; forge; iron wheels; wood ladders; iron grate; coaster wagon; 2 wheel feed cart; lard press; cream cans; blow torches; turbans; metal bin cabinet; granite pieces; ice tongs; big shell casing; 15 gal IHC barrel; nail kegs; hub caps; chicken feeder; car visor & fender skirts; walking plow; tin seats; porcelain sinks; cast iron seat; 35 gal cast iron kettle; scale beam; windshield wiper cabinet; American parts cabinet; Chev. pickup tail gate; platform scale; Champion spark plug cleaner; machinery manuals; modern 3 pc. 20s bedroom set; 60s 3 pc bedroom set; lift chair; meat slicer; kitchen items; many small items.

Check our website for pictures www.thummelauction.com

HIGBY FARMS, LLC

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



The Battle of the Spurs

A fascinating window into the past was published December 14, 1901, in the *Topeka State Journal*. The story features the reminiscences of John Armstrong, an anti-slavery activist who had been in Topeka since its founding in 1854. More of the story was found in *Kansas Historical Collections*, Vol. VIII.

In February of 1857 the route to take fugitive slaves to freedom, the underground railroad, began when Armstrong and a man name Mills left Topeka with three rescued slaves in a closed wagon to Silver Bend, near Tabor, Iowa. Five or six months later the Reverend Lewis Bodwell and a man named Emerson left with the sec-

ond wagon filled with rescued slaves.

Over time stations were established at the homes of Kansans in sympathy with the cause of abolition. When John Brown came to Topeka he usually stayed at the small stone house of Dan Sheridan, situated on a rise two miles southeast of Topeka (present-day Highland Park). Brown was careful not to make himself conspicuous as the government had placed a price on his head.

In the early dawning of January 28, 1859, the Sheridans were awakened by a pounding at the door. It was George B. Gill, the only escort with John Brown and twelve rescued slaves. They had been liberated from their Missouri own-

ers in a December 20, 1858 raid that became known as “John Brown’s Christmas Raid.” The freed slaves had been hidden away for a month before they set out for Canada on January 20, 1859. The winter had been unusually mild with little snow, but frequent rains. The party traveled in a freight wagon, or “prairie schooner,” that concealed the fugitives but offered little protection to the poorly clothed former slaves. Some were even barefoot.

As they huddled around the fireplace Mrs. Sheridan fixed a hearty breakfast. Word was sent among trusted allies of the need for warm clothing and shoes. Brown was anxious to leave saying, “There is a great work before me – greater than I can tell, and you may never see me again, but you will hear.” (The Harper’s Ferry raid on the federal arsenal had already been planned.)

At dusk the horses were hitched to the wagon and Brown’s escape with the rescued slaves continued into a bone-chilling January night. Traveling through the night brought them to Holton, Kansas by noon the following day. The sound of a newborn baby’s cry could be heard coming from the wagon.

Holton had been founded by abolitionists

who had followed Jim Lane to Kansas Territory on the Lane Trail that was now the main route of the underground railroad to freedom. Travel by daylight was deemed safe. After a noon meal in a Holton hotel the party traveled six miles north-west to the log home of Dr. Albert Fuller on the banks of Straight Creek. Dwight Stevens, who was traveling with Brown, was surprised while watering his horse by two United States deputies. They asked about runaway slaves. Stevens confirmed that the slaves were in the cabin and that he would take the officers to the cabin.

One man stayed behind with the horses while Stevens led the other into the waiting sentry who had been guarding the approach to the cabin. Seeing the capture of his companion the other man made his escape. Unfortunately, he was with a large posse from Atchison under the direction of Deputy United States Marshal John P. Wood of Lecompton. The cabin was surrounded, but Brown had quickly sent a courier to Topeka requesting assistance.

At Topeka a rider approached John Armstrong and handed over the message from John Brown. It was Sunday morning and Armstrong continued on

to the schoolhouse where Rev. Bodwell was holding church service. Armstrong went directly to Colonel John Richie and excitedly whispered something in his ear. Richie immediately rose to his feet announcing, “There is work for us,” and left with Armstrong. Rev. Bodwell followed and quickly returned to declare, “There will be no service to-day at this place. We will adjourn to the river bank.”

A company of sixteen men left Topeka in the late afternoon, arriving in Holton by four o’clock the morning of January 31st. A half dozen Holton men joined them.

By the time they reached the Fuller cabin Brown was preparing to take his men and fugitive slaves directly into the mouth of the devil. Wood’s posse had dug in across the river with rifles aimed at the Straight Creek crossing.

The creek was flooding from recent rains. Armstrong knew the country and suggested turning upstream to a safer crossing, but Brown was adamant. “I have set out on the Jim Lane road and I intend to travel it straight through... The Lord has marked out a path for me and I intend to follow it.”

Brown moved out, seemingly oblivious to Wood’s

rifles aimed at his breast. Brown’s bold reputation was enough to weaken the posse’s resolve. Suddenly Wood’s men began to break and run. In a moment the entire posse fell into a panic, running for their horses and spurring them safely away from “The Battle of the Spurs.”

It is hard to imagine that one man could put so many armed men to flight, but that is exactly what the presence of John Brown did one cold and wet January day 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.

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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 4,153 & HOGS 36.

BULLS: \$116.50-\$127.50		10 Blk Marion	763@\$180.00
COWS: \$71.50-\$82.50		29 Blk Enterprise	800@\$180.00
		12 Mix Tescott	763@\$180.00
STEERS		77 Mix Oakhill	718@\$179.50
300-400	\$245.00 - \$254.00	27 Blk Geneseo	855@\$178.75
500-600	\$223.00 - \$234.00	14 Mix Clay Center	861@\$178.50
600-700	\$208.00 - \$217.50	56 Mix Kanopolis	750@\$177.75
700-800	\$180.00 - \$192.75	41 Mix Kanopolis	851@\$177.50
800-900	\$169.00 - \$180.00	27 Mix Beloit	802@\$177.50
900-1,000	\$160.00 - \$170.50	38 Mix Inman	823@\$177.25
		65 Blk Clifton	870@\$177.00
HEIFERS		57 Mix Hope	865@\$177.00
300-400	\$202.00 - \$212.00	7 Blk Buhler	821@\$176.00
400-500	\$182.00 - \$193.00	60 Mix Benton	888@\$175.00
500-600	\$186.00 - \$197.00	9 Blk Carlton	919@\$170.50
600-700	\$167.00 - \$178.50	62 Char Tampa	973@\$170.25
700-800	\$161.00 - \$172.00	115Blk Hope	936@\$170.10
800-900	\$153.00 - \$164.50	12 Blk Carlton	926@\$170.00
		42 Char Beloit	945@\$168.50

THURSDAY, JANUARY 26, 2023

STEERS		HEIFERS	
9 Blk Sedgwick	312@\$254.00	7 Blk Sedgwick	319@\$212.00
10 Blk Beloit	515@\$234.00	8 Blk Sedgwick	382@\$211.00
10 Blk Sedgwick	364@\$232.00	12 Blk Windom	508@\$197.00
4 Blk Tescott	543@\$230.00	18 Blk Cheney	542@\$196.00
6 Mix Brookville	539@\$226.00	11 Blk Beloit	529@\$194.00
6 Mix Wilson	538@\$225.00	8 Blk Beloit	449@\$193.00
9 Blk Cheney	522@\$225.00	3 Red Carlton	382@\$192.00
47 Blk Tipton, Mo	597@\$218.75	15 Mix Roxbury	466@\$187.00
8 Blk Tescott	574@\$218.50	6 Blk Newton	557@\$186.00
16 Mix Wilson	593@\$217.50	16 Mix Clay Center	548@\$186.00
11 Blk Cheney	600@\$217.50	5 Blk Sedgwick	475@\$182.50
3 Blk Marion	572@\$217.00	38 Mix Geneseo	608@\$178.50
13 Blk Marquette	574@\$214.50	20 Blk Assaria	598@\$178.00
32 Mix Stockton	592@\$213.50	6 Char Cheney	583@\$178.00
5 Mix Clay Center	525@\$212.00	21 Blk Claflin	634@\$177.50
11 Mix Stockton	530@\$210.00	25 Mix Randolph	650@\$177.00
15 Blk Beloit	619@\$208.50	6 Mix Beloit	613@\$176.00
5 Mix Geneseo	618@\$207.00	12 Blk Minneapolis	585@\$176.00
6 Blk Canton	623@\$201.00	3 Blk Marion	550@\$176.00
17 Mix Clay Center	623@\$199.00	11 Red Hope	630@\$176.00
12 Mix Burrton	628@\$199.00	28 Blk Cheney	616@\$176.00
10 Mix Lost Springs	573@\$198.00	5 Blk Clay Center	603@\$175.00
29 Mix Cheney	660@\$196.75	31 Blk Claflin	640@\$175.00
24 Red Stockton	648@\$196.50	8 Blk Clay Center	651@\$173.50
7 Red Canton	634@\$195.00	6 Blk Marion	679@\$172.50
52 Blk Tipton, Mo	701@\$192.75	36 Blk Minneapolis	644@\$172.25
16 Mix Tescott	667@\$192.00	12 Blk Newton	713@\$172.00
32 Mix Wilson	671@\$192.00	15 Blk Minneapolis	725@\$171.75
47 Mix Oakhill	622@\$190.50	8 Blk Geneseo	699@\$171.50
9 Blk Geneseo	738@\$190.00	52 Mix Claflin	725@\$170.25
30 Blk Marquette	683@\$190.00	63 Blk Cheney	732@\$169.50
26 Mix Aurora	649@\$190.00	18 Mix Geneseo	750@\$165.75
12 Blk Gypsum	713@\$188.00	64 Mix Assaria	821@\$164.50
5 Mix Tescott	655@\$186.00	40 Mix Leonardville	812@\$163.75
6 Blk Gypsum	713@\$186.00		
38 Mix Gypsum	795@\$184.25		
38 Blk Tipton, Mo	778@\$184.00		
60 Mix Wilson	743@\$184.00		
28 Blk Aurora	786@\$183.75		
25 Blk Newton	795@\$183.50		
34 Mix Cheney	792@\$182.75		

MONDAY, JANUARY 23, 2023

CALVES	
8 Blk Salina	258@\$625.00
4 Blk Salina	246@\$625.00
1 Char Barnard	165@\$450.00
4 Blk Salina	231@\$435.00
2 Blk Salina	290@\$400.00

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.fandrillive.com

CATTLE USA.com **LIVE CATTLE AUCTIONS**

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Cattle USA.com for our online auctions.



Don't forget to get your Spring Spectacular horses consigned!

Deadline for consignment is March 1, 2023

1 Blk Solomon	160@\$375.00	1 Blk Salina	1465@\$78.50
1 Blk Solomon	130@\$360.00	1 Bwf Barnard	1295@\$78.50
1 Blk Barnard	140@\$335.00	2 Red Halstead	1355@\$78.50
1 Blk Mayetta	145@\$325.00	1 Blk Chase	1445@\$78.00
		1 Blk Waldo	1560@\$78.00
BULLS		2 Mix Marquette	1465@\$77.50
1 Blk Randolph	2020@\$127.50	1 Bwf Randolph	1185@\$77.50
1 Blk Chase	2265@\$126.00	2 Blk Mayetta	1165@\$77.50
1 Blk Newton	2365@\$125.00	6 Blk Salina	1176@\$77.00
1 Blk Abilene	1615@\$111.50	1 Blk Chase	1420@\$77.00
1 Blk Salina	1705@\$110.50	1 Blk Canton	1480@\$76.50
COWS		2 Red Halstead	1373@\$76.50
2 Red Marquette	1538@\$82.50	1 Hols Mcpherson	1695@\$75.50
1 Blk Wilsey	1745@\$81.00		
7 Blk Salina	1116@\$78.50		

Early Consignments For THURSDAY, FEBRUARY 2, 10 AM

72 Red Angus steers & heifers, 650-800, 90 days weaned, home raised, 2 round vaccinations, open, knife cut, bunk broke; 62 black steers, 850-900, no sort; *plus more by sale time.*

Early Consignments For TUESDAY, FEBRUARY 7, 11 AM

40 black steers & heifers, 450-600, home raised, 45 day weaned, 2 round vaccinations; 45 steers & heifers, 450-750; 25 black & char steers & heifers, 500-600; 50 mostly black steers & heifers, 550-650, home raised, mostly hay fed; 70 black & red steers & heifers, 500-550, home raised; 53 Sim/Angus steers & heifers, home raised, fall vaccinations, weaned October 20, open; 53 mostly black steers & heifers, 650-750, long time weaned, fall vaccinations; 40 black heifers, 600-700; 60 black heifers, 550-650, Green Garden sired; 45 black/charX steers & heifers, 550-700, home raised, long time weaned, 2 round vaccinations; 50 black/charX steers & heifers, 500-750, home raised, long time weaned, 2 round vaccinations; 210 black steers, 500-600; 85 black heifers, 500-550; 37 Red Angus steers & heifers, 600-750, certified Red Angus; 100 black steers & heifers, 600-800, October 26 weaned, home raised; 100 black steers & heifers, 500-700, home raised; 100 black & red steers & heifers, 550-750, home raised, long time weaned, 2 round vaccinations, off triticale; 75 black steers & heifers, 500-600, home raised, long time weaned, 2 round vaccination, running out; 75 steers, 650-875, Benoit Angus sired; 61 Red Angus/charX steers, 725-825, 90 days weaned, 2 round fall vaccinations; 48 Red Angus/charX heifers, 725-825, 90 days weaned, 2 round fall vaccinations; 360 black steers, 600-750, long time weaned, 2 rounds vaccinations, home raised; 87 black/bwf steers & heifers, 700-800, weaned November 1, 2 round fall vaccinations, home raised, open; 80 black/red steers & heifers, 700, 60+ days weaned, 2 round vaccinations; 45 mixed steers & heifers, 600; 95 mostly black steers & heifers, 450-650, home raised, hay fed, very green; 90 black steers, 425-725; 50 black steers & heifers, 650-900; *plus many more by sale time.*

UPCOMING SPECIAL TUESDAY SALES:

COW SALES: Tuesday, February 21 * **CALF SALES:** Tuesday, February 7

IN STOCK TODAY:

• Heavy Duty Round Bale Feeders • Heavy Duty Feed Bunks

For Information or estimates, contact:

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

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

Jim Crowther	Lisa Long	Cody Schafer	Kenny Briscoe	Kevin Henke	Austin Rathbun
785-254-7385	620-553-2351	620-381-1050	785-658-7386	H: 785-729-3473, C: 785-565-3525	785-531-0042
Roxbury, KS	Ellsworth, KS	Durham, KS	Lincoln, KS	Agenda, KS	Ellsworth, KS

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

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

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