



## Ukrainian professor discusses impacts on ag of Russian invasion

By Donna Sullivan, Editor

With her country ravaged by war and her husband still there transporting people to safety and defending his homeland, Antonina Broyaka is trying to do her part from Manhattan, Kansas. She and her children fled Ukraine, first to Poland, then to the United States when she realized she wanted more distance between themselves and the Russians. Broyaka had been a Fulbright Scholar at KSU in the early 2000s, and upon returning to Ukraine served as dean of the faculty of Economics and Entrepreneurship at the Vinnytsia National Agrarian University. Once in Kansas, she was taken in by her friend Sharolyn Flaming Jackson, a family and consumer sciences specialist for K-State Research and Extension in Manhattan. Her children, 15-year-old Sasha and nine-year-old Max, started school within days of arriving. Although they'd fled their country with little more than a change of clothes each, for the next several weeks Broyaka said the children came home each day with things they'd been given by classmates and their families to make their transition a little easier. After receiving her work visa, Broyaka was named an Extension associate of Kansas State University's Agricultural



Antonina Broyaka, a former Fulbright Scholar at Kansas State University, spoke at the Risk and Profit Conference, detailing the effects of the Russian invasion of Ukraine on global food security.

Photo by Donna Sullivan

Economics Department. She spoke at the Risk and Profit Conference, hosted by the Department of Agricultural Economics at Kansas State University, August 16-17 at the K-State

Alumni Center in Manhattan, painting a picture of the role of agriculture in Ukraine, and its importance in feeding the rest of the world. "There have been about \$23.3 billion

in losses to agriculture," she said. The country, considered the breadbasket of the world, sees roughly \$27.8 billion in ag exports annually, contributing 46% of the world's sunflower

oil, 45% of the sunflower meal, 37% of millet, 13% of the corn and 10% of the wheat.

As Ukraine's infrastructure has been heavily damaged by Russia, everything from the price of gasoline – now \$10 per gallon – to available storage for grain has been affected. "We don't have enough storage for both old crop and new crop," she said. "But we are working on the problem."

Broyaka estimates it will take \$188 billion to rebuild and recover and about \$750 billion to restore their entire economy. In the meantime, other nations are suffering the consequences of the impact of the war on their food supply. "We are having to take food from people who are hungry to give it to people who are starving," she said. She cited the people of Africa as some who have been severely affected, and expects conditions to only worsen.

On July 22 the Black Sea Grain Initiative was signed in Istanbul between Ukraine, Turkey, the United Nations and Russia to facilitate safe navigation for the export of foodstuffs and fertilizers from the Ukrainian ports of Odesa, Chornomorsk and Pivdeni. The agreement states that no military vessel, aircraft or UAV will be allowed within ten nautical

miles of a merchant vessel transiting the Maritime Humanitarian Corridor and the inspection of ships will be performed by joint groups in Turkish waters. The agreement is initially to be in effect for 120 days but could be extended.

Broyaka stated that Turkey benefited from the agreement, receiving privileges in grain purchases, price and procurement priority. In exchange they transitioned five of their main banks to the Russian payment system "Mir." They lifted restrictions on grain exports from Russia and also transitioned to payments in rubles for part of the Russian gas exported to Turkey. They also lifted restrictions on fertilizer exports from Russia, including raw materials used in production of fertilizer and lifted restrictions on Russian import/export of medicines, medical equipment and accessories and related software. She said they also adjusted restrictions on import to Russia of aviation industry goods and services.

As her children prepare to start another school year in the United States, Broyaka realizes it could be a long time before her family is reunited and she sees her homeland again. But she remains hopeful. "I think we will win," she said with quiet resolution.

## Bailey named CEO of Kansas Dairy

Kansas Dairy has named Janet Bailey, Manhattan, as chief executive officer of the Kansas Dairy Commission and Kansas Dairy Association.

Bailey brings three decades of association and agriculture industry experience to the dairy organizations and was raised on a Kansas dairy farm. Her career has been anchored in agricultural and food policy, rural issues and marketplace strategy.

"Dairy is in a pivotal time. Consumers face more options, new technologies create new opportunities, the regulatory pressures are consistent and labor needs continue to challenge the industry," Bailey said. "More than ever, dairy producers need to know that they have organizations leaning into the challenges and bringing them value and solutions. I am honored to work with the leadership of the Association and Commission and our partners as we deliver value to our dairy producers and allied industry partners in Kansas."

"As the Commission looks to the future and the responsibility to support dairy industry development we are excited to bring Janet into the role of administrative leadership," said Brent Buessing, chairman, Kansas Dairy Commission, Baileyville. "We know that the future is promising, and not without challenges. As Commission board members we are excited to work with Janet to support the research, educa-



Janet Bailey was recently named CEO of Kansas Dairy, bringing three decades of industry experience to the organization.

tion and information campaigns of the industry."

"The Kansas Dairy Association welcomes the energy and enthusiasm that Janet brings as the CEO," said Josh Rottinghaus, chairman, Kansas Dairy Association, Seneca. "Through her career in agriculture, she has been a partner to the dairy industry and we are confident of the opportunities to speak with a united voice for the dairy producers of Kansas."

"I'm excited to have Janet working with our Dairy Commission and

Dairy Association," Mike Brouk, professor and

dairy Extension specialist, Kansas State University Department of Animal Sciences and Industry, said. "Janet brings a wealth of experience that will be invaluable in guiding our dairy industry. Her enthusiasm and interest in the dairy industry will be a valuable catalyst to address the many challenges facing dairy producers today. I look forward to working with her and the dairy producers as we continue to build and strengthen our Kansas dairy industry."

Kansas Dairy is an agreement between the Kansas Dairy Association and the Kansas Dairy Commission. The Kansas Dairy Association was formed in 1994 to represent dairy producers in Kansas. During the legislative session of 1995, the Kansas legislature passed legislation to form the Kansas Dairy Commission. Each organization maintains their specific programs and responsibilities. Learn more at [ks-dairy.com](http://ks-dairy.com).

## NFU to host Legislative Fly-In September 11-14

Fresh off a busy August congressional recess and heading into the final legislative push before the November elections, National Farmers Union (NFU) will be hosting the Fall Legislative Fly-In in Washington, D.C., beginning Sunday, September 11th through Wednesday, September 14th.

During the four-day gathering, Farmers Union members from across the country will meet with Members of Congress, U.S. Department of Agriculture (USDA) officials, and representatives from other federal agencies. Throughout these meetings, Farmers Union members will share their legislative and policy priorities for the final months of 2022.

Farmers Union members will highlight the need for Fairness for Farmers policies, which include placing a special investigator for meat and poultry at USDA, strengthening the Packers and Stockyards Act, bringing more openness to the cattle market, re-establishing Country Of Origin Labeling for beef, and ensuring that farmers have the right to repair their own equipment.

Discussions will also be held to outline NFU's priorities for the upcoming 2023 Farm Bill and how the Inflation Reduction Act can best help family farmers and ranchers address the climate crisis.

## Grazing management to improve productivity, performance and profitability workshop coming to Topeka

Grazing specialist Jim Gerrish, well-known rancher, researcher, grazing educator and co-founder of the Missouri Grazing School, returns to Kansas to offer four different days of grazing education topics to help producers make better choices for their pasture situation. This workshop is tailored for livestock producers specifically. Producers can register to attend one or all of the days.

When asked why producers should attend this workshop, Gerrish said, "More than ever producers need to be in control of their operation. Don't leave the critical management decisions up to the animals. They don't care whether you make a dime or not. Your job is to create a ranch environment where the cow, ewe or nanny can be the best performing animal that she can be. The rancher's job is to manage the business side of the ranch and not try to do the animal's job for her. Each farm or ranch has unique resources, the key is to match grazing animals to those forage resources. Better management of forage resources will create increased production on forage acres."

The Four Day Grazing Seminar with Jim Gerrish will be August 29, 30, 31 and September 1 at Ramada Downtown, Topeka, 420 SE 6th Ave.

Daily Schedule - Registration 8:00 a.m.-9:00 a.m. Workshop 9:00 a.m.-4:00 p.m. No plated meals served due to Covid. Class will dismiss for lunch on your own!

Registration fee is \$30.00 per day or all four days for \$100.00 - Register at [kglc.org](http://kglc.org)

Scholarships available: Free registration for beginning farmers, ranchers and veterans while it lasts for those who pre-register. Please specify this online registration code - Beg.F.R.

Scholarships provided by: Kansas Sustainable Agriculture Research and Education and Kansas Center for

Sustainable Ag and Alternative Crops.

Day 1 topics - Exploring Small Ruminant Grazing

Sheep, Goats, Swine, and Poultry on Pasture: What's right for you?

Tools to help you plan your farm

Forage choices and Grazing Management for Small Ruminants

Pastures & Parasites Fence & Water infrastructure for small ruminants

Day 2 topics - Getting Started; What You Need to Know

What is MiG and what can it do for you?

Grazing management based on ecosystem processes

Solar energy flow, water cycle, mineral cycles, biodiversity

Creating excellent pasture from the soil up

Grazing management for targeted animal performance

Day 3 - Have you ever thought about it this way?

Seven things I have learned over the past 40 years.

Managing cow costs means more than just using generic ivermectin

Year around grazing should be the norm, not the exception

Why developing grazing infrastructure pays

Day 4 - Planning a Grazing System for Tough Times

What really determines profitability in ranching

Integrating livestock and crops for soil health

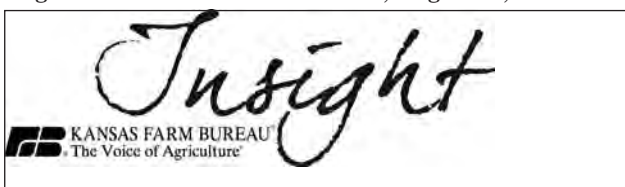
Managing cover crops and legumes for grazing and forage quality

Grazing for biodiversity

Grazing effects on the soil and plant community

Workshop sponsored by Kansas Grazing Lands Coalition, NRCS, KS SARE, KCSAAC and Kansas Farmers Union.

Questions contact - Mary Howell, email - [mary@kglc.org](mailto:mary@kglc.org), phone or text - 785-562-8726. Mail in registration goes to: Mary Howell - KGLC, 1924 Unicorn Rd, Frankfort, KS 66427.



## Bus Rides and Harvest

By Kim Baldwin,  
McPherson County farmer  
and rancher

As I was outside with my kids waiting for them to catch their big yellow bus to begin another school year, I was reminded of how all of the back-to-school excitement is similar to the anticipation of fall on the farm.

Being that it's a new school year, the kids are understandably excited to return to school. This has translated to them getting out to their bus

stop with plenty of time to spare ensuring they don't miss the bus and avoiding frantic, last-minute morning chaos.

As we get closer to the start of fall harvest, we are also getting out into the fields and testing the moisture of the corn with plenty of time to spare. While some might argue it's still too early, just like with the kids, we want to make sure we experience a smooth transition into fall harvest with as little unnecessary chaos as possible.

sible.

In the days leading up to the first day of classes, our school district provided us with a rough estimate of when we should expect the bus to arrive. Although we had a good idea of when to expect the bus, we knew to be ready a little before the expected time while also understanding if it was later.

Just like the morning bus, we know fall harvest will get here. We're not quite sure when exactly that will be; we just have to be ready to go when it's time.

While waiting for their bus, I reminded my two children to be observant as they have the tools needed to identify the bus and know when it's coming minutes before

actually seeing it. If one listens, amid the morning sounds of feed trucks and cattle in the distance, the distinct sound of the bus bouncing down the gravel roads can be heard.

As adults, we too have tools to use to help determine when it's time to harvest. While it might not be our sense of hearing, we do scout fields using our eyes to make observations while also picking and shelling ears of corn before testing for moisture. If we look, the distinct signs of a field that's ready for harvest can be seen.

Once on the morning bus, I watched the silhouettes of my two little ones cautiously walk down the aisle before committing and settling into their

seats for the duration of their morning ride. I know both my son and daughter prefer to sit up near the front of the bus to avoid negative results like getting car-sick or getting themselves into trouble.

We will also be intentional in our field selections prior to committing the machines to a field as we want to make sure our decisions will not cause negative results like dockage once our grain is delivered to the elevator.

As the bus slowly moved forward, I scanned the bus windows to see if I could spot any other morning riders. With the sun rising behind the bus, it appeared my two were the first ones on. The saying "first ones on, last ones off" has been true

given our location within the school district's boundaries and bus route. Being first on and last off the bus can make for some long and tiring days for my little kiddos.

And just like the bus rides, fall harvest will also bring some exhausting days as expected. In either case, we know that at the end of these long days, whether we're riding a school bus or driving a combine, we'll all return and find comfort (and snacks) at home.

"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.

## Field event for Old World Bluestem control to be held September 7

An agriculture field day which focuses on controlling invasive Old World Bluestem will be held September 7, 2022. The event is scheduled to begin at 4:30 p.m. and will be located on Highway 77 between Marysville and Blue Rapids, Kansas at the intersection of Quail Rd & Hwy. 77. The goal of the event is to help landowners and operators learn how to control and manage Old World Bluestem.

Old World Bluestem (OWB) is a plant that is becoming increasingly prevalent in native grasslands commonly used for cattle grazing and forage production. OWB was brought to the United States as a soil-stabilizing plant but has now come under scrutiny due to its negative effects on the surrounding ecosystem. OWB is difficult to control, and will permanently replace desirable grasses and forbs, which reduces the number of livestock that a

pasture can carry, and thus reduces income derived from grazing. Additionally, OWB creates a monoculture which eliminates habitat for pollinators and wildlife.

Early detection and control of OWB is critical. Conventional management practices for invasive species such as prescribed grazing and fire are not effective in preventing the spread of OWB in rangelands. OWB can be spread by animals, equipment, vehicles, hay, mowing and other means. In particular, the plant will take advantage of rangeland in areas which are disturbed and overgrazed. Plants can create a seedbank that will exist for years after herbicide control treatment.

It will be very important for area landowners and operators to attend the field event and learn about how to identify and control OWB. Test plots demonstrating various chemicals used to control OWB will be on dis-

play. In addition to chemical control, other management practices will also be discussed.

The tour will begin at 4:30 p.m. with light refreshments and snacks before the meeting. Those planning to attend are asked to RSVP by September 2nd to the Marshall County Conservation District by calling 785-562-5343, extension 3, or emailing [leslie.holthaus@ks.ncdnet.net](mailto:leslie.holthaus@ks.ncdnet.net).

Presenters will be Dr. Walt Fick, professor of range management at Kansas State University, and Dusty Schwandt, NRCS area rangeland management specialist.

Sponsors/Partners for meeting are KSU Research and Extension, the Marshall County Conservation District, Frontier Farm Credit, Kansas Department of Wildlife and Parks, and USDA.

## K-State economist studies potential impact of space weather on farming

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

Among the many issues farmers must balance when planting or harvesting crops, one would think that the sun's energy is not one of those.

Terry Griffin thinks differently.

That's because Griffin – a precision agriculture economist with K-State

Research and Extension – has studied the potential impact of space weather on agriculture, and specifically how solar flares and other activities in the solar system affect GPS signals to farm equipment.

The bottom line: "Space weather does impact our ability to use GPS for agricultural purposes," he said.

In fact, in a paper now available from K-State's Department of Agricultural Economics, Griffin concludes that U.S. farmers stand to lose big if they no longer have access to GPS technology, also known internationally as Global Navigation Satellite System (GNSS).

"If we assume that we lose GNSS access for an entire year, it could

be a billion-dollar loss in efficiency just for the Midwest," Griffin said.

The agriculture industry has evidence to show the effectiveness of using GPS monitors on planting and harvesting equipment. Decades ago, Griffin notes, farmers would use visual row markers to guide those two chores.

"GPS guidance was

cheaper than having physical row markers," Griffin said. "It became one of those technologies that was just a good idea.

"Fast-forward to today and we have planters that are really big and we do not have markers on those. So what would happen if we did not have access to GPS on the day we are trying to plant?"

The answer: "We

would have inefficiencies. We can still do some things, but just not as efficiently. Add all those (inefficiencies) up across large regions, and it becomes a lot of money."

Griffin admits there is nothing that humans can do about events on the sun, or other space phenomena that affect satellite signals, so the most sensible approach for farmers is to plan for the unexpected.

"Ask yourself, 'How would I do things if I did not have access to GPS? And do I have a Plan B?'" Griffin said.

"I'm not suggesting farmers go out and buy row markers for all of the 48 row planters out there, but I am suggesting having a conversation with their partners, service providers, manufacturers and dealers about things they can actually get done if they don't have a GPS (signal)."

More details on Griffin's work, which is supported by The Aerospace Corporation, is available online from K-State's Department of Agricultural Economics. The paper is titled Global Cost Assessment of GNSS Outage to Agricultural Productivity.

Griffin can also be contacted by email, [twgriffin@ksu.edu](mailto:twgriffin@ksu.edu), or on Twitter, @SpacePlowboy.



Yesterday was a good day and the best part was finding out I wasn't late. Those of you who know me or are regular readers understand that no matter how hard I try, I am late quite often. I have employed a number of tricks to try to make sure I keep myself on time, but none work very well. My worst problem is that I try to cram too many things in too little time. Let me explain.

Yesterday we got some much-needed rain and that meant I could finally not worry about putting up hay and go get my hair cut. In fact, I thought it meant that I could have a slower paced day and some relaxation. That morning when I saw the rain, I told Jennifer that I would come by her office, and we would go to lunch and then I would get to the barber's. I figured there ought to be some reward to getting a haircut.

I told her it was going to be a late lunch because I had a Zoom meeting, and I would be there after I got done with it. Then I would have a little bit of time to take care of some odds and ends before a meeting a couple of hours away that night. I walked out to do chores just as it started to shower again. No problem, I sat in the shop with the doors open listening to the rain and enjoying the cool. That is when I got the phone call.

The load of feed I had ordered was coming later that morning. That was great, except it needed to go in a feeder that was beyond the gravel. That meant that I would have to pull it up to the yard with the tractor. No problem, other than I was on a deadline for my Zoom meeting. I watched it rain until the very last second and then I made my way out to unhook the tractor from the baler and go get the feeder.

I had to move the lambs into a different pen, open the fence and hook up to the feeder. All of that went smoothly until I went to hook up to the feeder. I am not sure where the hitch pin went but it wasn't where it was supposed to be. After an extensive search of the entire premises, I decided to use a long bolt, which would prove to be problematic later.

I got the feeder pulled into the yard but only after I had made myself late for

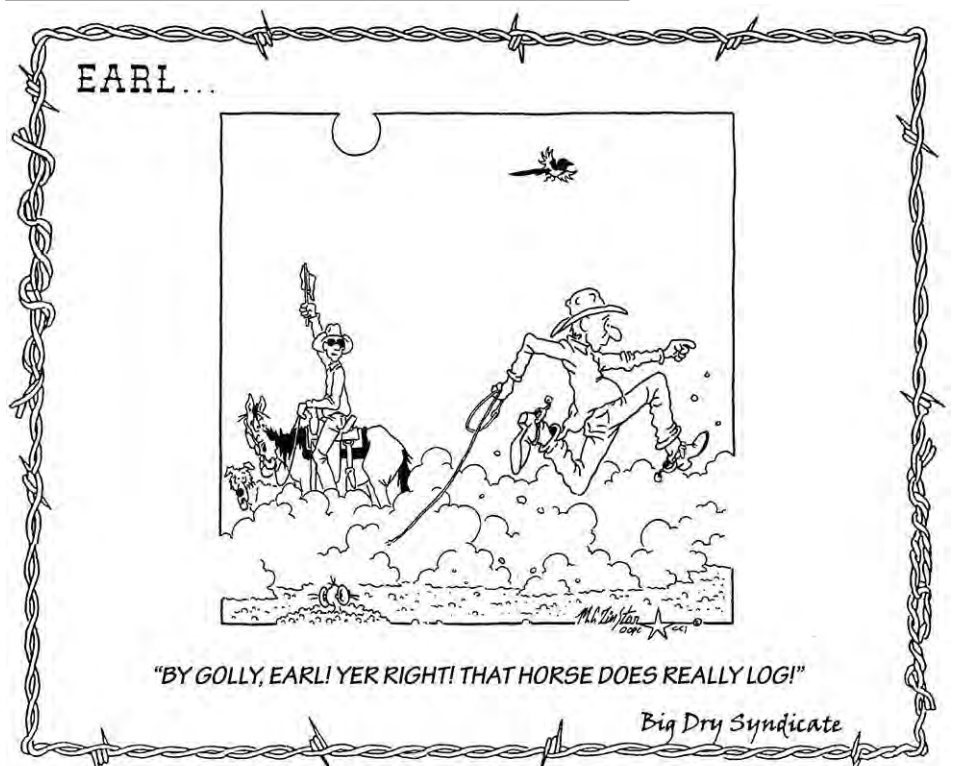
my Zoom meeting. I did manage to get on in time for the last ten minutes and I was able to make the motion to adjourn (you always make sure you are in the minutes). The meeting got out sooner than I had thought, giving me some breathing room between that and lunch, or so I thought.

One phone call and most of that time was eaten up, then as I got in the pickup to go to town, I realized I needed to fill it up. Jennifer and I had our lunch and I was off to get my hair cut sooner than I had planned. What I had not figured on was that it was move-in for K-State and back to school for the surrounding public schools. It was a two-hour wait to get my hair cut. Yes, I needed my it done that bad.

That put me at home with about forty minutes to back the feeder in, unhook and let the lambs in. No problem, it was a simple job. Remember the bolt? Yeah, it was wedged in, and I could not get it loose. If I backed up, I needed to go forward. I fought it for several minutes and realized that I had made myself late. I called Jennifer and a buddy and planned for them to unhook the feeder after they got off of work.

Quick clothes change and I was on my way to the meeting with no time to spare. I put the address in my phone, and it showed me the "quickest" way. I am convinced that my phone conspires against me, at least the navigation part. It may have been the quickest way, but it was so crooked that it made a downhill ski run look straight. I watched the clock tick down closer and closer to the appointed time. Did I mention I was to give the invocation? During this time, I noticed I was below a quarter of a tank of gas in the car too.

I skidded into the parking lot at the exact time the meeting was to start, and I made my way across the parking lot as fast as I could. When I burst through the doors, I found the room nearly empty. That was when I found out meeting started at 6:30 and not 6:00 as was in my calendar and that is why that was the best part of a good day. I smiled about that the rest of the day or until the low fuel light flashed on the way home (don't worry, I made it).



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# Dan Dall brings decades of crop expertise to LCS

Dan Dall has joined the Limagrain Cereal Seeds (LCS) team as the Central Plains regional commercial manager. A Kansas native, Dall has always felt at home in the field.



Kansas State University graduate Dan Dall has joined the Limagrain Cereal Seeds team as Central Plains regional manager. *Courtesy photo*

"My family didn't have a farm, but I grew up farm-adjacent. I always gravitated toward the farm kids," says Dall. When he went to Kansas State University with plans to major in biology, he felt that same pull toward agriculture. "I had to take some agronomy classes to fill graduation requirements, and once I got in those classes, everything clicked."

Dall changed majors and never looked back. After school, Dall used his agronomy knowledge to build a career in chemical and seed sales — helping farmers maximize their returns for a range of crops.

"Soybeans, corn, sorghums, sunflowers, cover crops and, of course, you can't be in South Central Kansas and not work with wheat," says Dall. "Wheat has been a constant, whether I was selling chemicals for it, putting soybeans or another crop behind it, getting corn off in time to get wheat in, or selling certified wheat

seed." He also managed agronomy operations for companies along the way.

All told, Dall brings 23 years of focused ag expertise to LCS. He enjoys traveling and has already started exploring a territory that includes Kansas, Nebraska, Oklahoma, Colorado, Texas and New Mexico. Seed dealers and farmers have been very welcoming.

"I probably look at things a little differently than somebody who's not an agronomist, and I think that will help farmers down the road," says Dall, who is excited to be working with senior wheat

breeder Dr. Marla Barnett to help drive the future of wheat in the region.

"Dan is a great fit for the Central Plains team," says Barnett. "His extensive knowledge of wheat seed and farming practices will help growers make informed choices for their acres."

And, says Dall, the choices are impressive: "LCS has such a good portfolio for this area, and they're not slowing down. Not to mention CoAXium, which brings herbicide tolerance to help with grass weed species in wheat."

# Agriculture education students awarded Kansas Agriculture Skills and Competencies Certificates

Twenty-five students from seven schools in Kansas have been awarded the Kansas Department of Agriculture's Kansas Agriculture Skills and Competencies Certificate. Of these, 24 were awarded the general certificate, five were awarded the animal science certificate and one was awarded the plant systems certificate. High schools with students earning certificates include Buhler, Centre, Ellsworth, Greeley County, Holton, Republic County and Wellington.

Students have completed requirements in the areas of classroom instruction, supervised agricultural experience (SAE) and FFA. They have demonstrated excellence in agricultural knowledge, career readiness and leadership development.

Students must also maintain a cumulative GPA of 2.5 or higher in all school courses to earn the certification.

"The criteria to achieve these certificates represents more than just one specific exam, event, or activity on a single day but a culmination of successful involvement and achievement in multiple activities over four years of high school," said John Clark, the agriculture education teacher at Buhler High School. "These students who earned these certificates should be proud of this high honor, which is only accomplished by students who are very well-rounded in a variety of requirements."

KDA is committed to establishing a dynamic and well-equipped workforce that meets the diverse

needs of the agriculture industry today. "Growth in Kansas agriculture will depend on a strong workforce, so we need skilled young people like these to support the future of the industry," said Russ Plaschka, KDA marketing director. "These certificates show they have developed critical skills that will help them in their future careers, whether they end up on dairies, ranches, farms, agribusinesses, research labs, or in the variety of other employment opportunities in agriculture."

The Kansas Agriculture Skills and Competencies Certificates meet the requirement for industry-recognized certifications earned by students in high school. Industry-recognized certifications are one of three ways

that schools can increase the success rate for their postsecondary progress on their annual report card from the Kansas State Department of Education.

These certificates have been endorsed by several industry organizations and employers:

- Kansas Animal Science Skills and Competencies Certificate: Kansas Farm Bureau, Frontier Farm Credit and Triangle H.

- Kansas Agriculture Skills and Competencies Certificate: FFA Foundation, Kansas Farm Bureau, Kansas Grain and Feed Association and Kansas Livestock Association.

- Kansas Plant Systems Skills and Competencies Certificate: Kansas Farm Bureau, Kansas Wheat, Frontier Farm Credit, Harris Crop Insurance,

Hummert International, Scott Cooperative Association, Milliken Ag Concepts, and Middle Creek Seed.

Applications for the Kansas Agriculture Skills and Competencies Certificates are accepted each spring. To find more information, visit [agriculture.ks.gov/ageducation](http://agriculture.ks.gov/ageducation).

The complete list of students includes:

**Kansas Agriculture Skills and Competencies Certificates:**

**Buhler High School**  
Jackson Childs, Thomas Compton, Hunter Durham, Jaylee Giles, Maren Lackey, Kacey Lehl, Mace McCabe, Jared McQuilliam, Carson Moler, Bradley Neill, Marissa Orem, Tanner Tustain, Bonner Van Bruggen, Caroline Wagner, Kaden Warner, Abigail Yutzzy

**Centre High School**  
Quinten Bina, Kyle Peterson, Tanner Stuchlik  
**Ellsworth High School**  
Nicole Haase  
**Greeley County High School**  
Payton Walk  
**Holton High School**  
Katina Bartel  
**Republic County High School**  
Nicole Popelka

**Wellington High School**  
Baylee Newberry  
**Kansas Plant Systems Skills and Competencies Certificates:**

**Wellington High School**  
Matthew Pryce  
**Kansas Animal Science Skills and Competencies Certificates:**  
**Buhler High School:**  
Hunter Durham, Jaylee Giles, Maren Lackey, Kacey Lehl, Caroline Wagner.

# Kansas Reservoir Protection Initiative accepting additional applications

The Kansas Water Office, Kansas Department of Health and Environment and the Kansas Department of Agriculture-Division of Conservation, in conjunction with water conservation partners, announces an additional opportunity for applications to be submitted for the Kansas Reservoir Protection Initiative (KPRI).

This program provides financial assistance to landowners in priority watersheds to implement conservation practices enhancing sediment-reducing efforts above federal

reservoirs where water supply storage is impacted by reservoir sedimentation. Initiative funding is currently targeted above Kanopolis, Fall River, John Redmond and Tuttle Creek reservoirs where 38, 39, 42 and 50 percent of water supply storage has been lost to sedimentation, respectively. Lands located in targeted sub-watersheds in portions of Barton, Butler, Clay, Coffey, Ellsworth, Greenwood, Lyon, Marshall, Nemaha, Pottawatomie, Republic, Riley, Russell and Washington

counties are eligible for assistance. Funding for the KPRI was supported by Governor Laura Kelly and the 2022 Kansas Legislature as a part of the full restoration of funding for the State Water Plan Fund to address priority water resource issues and projects recommended by the Kansas Water Authority.

Landowners interested in participating are encouraged to contact their local county conservation district or Watershed Restoration and Protection Strategy (WRAPS) coordinator to apply. Many sed-

iment-reducing conservation practices are eligible through this initiative, however, projects focusing on large gully repair and soil health practices such as reduced tillage and cover crops are highly

encouraged. Applications for this continued round of funding will be accepted through the close of business on September 8, 2022. It is not guaranteed that adequate funding will be available to provide fi-

nancial assistance to all eligible applications.

For additional information, please visit [kwo.ks.gov/projects/kansas-reservoir-protection-initiative](http://kwo.ks.gov/projects/kansas-reservoir-protection-initiative).

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## GRASS & GRAIN Our Daily Bread

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

Ireta Schwant, Blaine, Wins This Week's Grass & Grain Recipe Contest And Prize Winner Ireta Schwant, Blaine: "Zucchini season is here! This is wonderful to eat right out of the oven or freeze for later."

### CHOCOLATE ZUCCHINI CAKE

1/2 cup vegetable oil  
1/2 cup butter  
1 3/4 cups sugar  
2 eggs  
2 cups ground zucchini  
1 teaspoon vanilla extract  
1 cup buttermilk  
2 1/2 cups flour  
1 teaspoon baking soda  
4 teaspoon cocoa  
3/4 teaspoon cinnamon  
1/2 teaspoon salt

**Topping:**  
3/4 cup chocolate chips  
1/2 cup chopped pecans

Cream oil, butter and sugar. Add eggs and zucchini and beat well. Add vanilla, buttermilk, flour, soda, cocoa, cinnamon and salt; mix well. Pour into sprayed 9-by-12-inch pan. Top with chocolate chips and pecans. Bake at 350 degrees for 40 to 45 minutes. Serve with vanilla ice cream or whipped topping.

\*\*\*\*\*

Donna Geritz, Atchison:

**TACO CHICKEN**  
3 pounds frozen chicken breasts  
1 package taco seasoning  
1 cup any style salsa

Place ingredients in a crock-pot for 6 to 7 hours on low. Remove chicken and shred. Return to crock-pot and cook an additional hour. Serve on tortillas with your favorite toppings.

\*\*\*\*\*

Susan Schrick, Hiawatha:

**BERRY LUSH DESSERT**  
35 Vanilla Wafer cookies (1 1/2 cups), plus more for the top

5 tablespoons unsalted butter, melted  
8 ounces cream cheese, softened  
1 cup powdered sugar  
1 teaspoon vanilla extract  
(2) 8-ounce containers whipped topping, thawed  
1 to 2 pounds fresh berries (strawberries & blueberries or your favorite)

Place cookies in a large resealable gallon size bag. Seal all but 1 inch of the bag (so air can escape) and crush with a rolling pin. Stir cookie crumbs and melted butter with a fork. Press into an 8- or 9-inch square pan. Add

cream cheese, powdered sugar and vanilla to a large mixing bowl. Mix with a hand mixer until smooth then mix in one container (8 ounces) of whipped topping. Reserve other container for topping. Slice berries as desired.

Assemble the dessert: Spread half the cheesecake mixture on top of the crust. Spread half the berries on top. Cover with the remaining cheesecake mixture and top with remaining berries. Top the dessert with about half the remaining whipped topping. Crush more cookies and sprinkle on top, if desired. Chill for about an hour before serving. Store in refrigerator for 1-2 days.

\*\*\*\*\*

Kellee George, Lenexa:

**HONEY BUTTERED CORN**

4 ears fresh or frozen corn  
1/3 cup butter  
1 teaspoon honey  
3/4 teaspoon seasoned salt

Cook corn until tender. Melt butter then stir in honey and salt. Brush corn with butter mixture.

\*\*\*\*\*

Gin Fox, Holton:

**SUMMER SALAD**

1 package bow tie pasta  
1 diced tomato  
1 diced cucumber  
1 red onion, sliced & separated (or diced)  
1 green pepper, chopped  
2 stalks celery, diced  
1/2 bottle of Italian dressing  
1/2 bottle of Salad Supreme dry seasoning or I used Dash seasoning (we are watching salt intake)

Cook pasta until tender. Drain and rinse. Add the remaining ingredients and mix well. Chill.

**NOTE:** Other veggies are optional to use like black olives, mushrooms or zucchini.

\*\*\*\*\*

Rose Edwards, Stillwater, Oklahoma:

**PARMESAN MINUTE STEAKS**

1 egg white, lightly beaten  
2 teaspoons water  
Dash pepper  
1/2 cup finely crushed saltine crackers  
1/2 cup grated Parmesan cheese  
4 cubes steaks (about 4 ounces each)  
2 tablespoons butter  
8-ounce can pizza sauce

In a shallow bowl combine egg white,

water and pepper; set aside. On a plate combine cracker crumbs and Parmesan cheese. Dip each cube steak into the egg mixture then coat with cracker mixture. In a large skillet melt butter then brown steaks on both sides. Add pizza sauce and simmer for 3-5 minutes. Garnish with remaining crumb mixture. Serve immediately.

\*\*\*\*\*

Millie Conger, Tecumseh:

**BEETS**

3/4 cup sugar  
2 teaspoons cornstarch  
1/3 cup vinegar  
1/3 cup water or beet juice  
1 teaspoon onion powder  
4 cups sliced & cooked beets  
3 tablespoons butter  
1/4 teaspoon salt  
Dash white pepper

In a saucepan combine the sugar and cornstarch. Add vinegar and water or beet juice. Bring to a boil. Add all remaining ingredients then reduce heat to simmer. Heat through.

\*\*\*\*\*

Jackie Doud, Topeka:

**RICE & GREEN PEA SIDE DISH**

1 cup uncooked long grain rice  
2 cups water  
1 medium onion, chopped  
2 cups frozen peas, thawed  
1 carrot, peeled & shredded  
1 teaspoon chicken bouillon granules  
1 teaspoon salt-free herb seasoning  
Salt & pepper to taste

Place all ingredients in a 3-quart saucepan. Cover and bring to a boil. Reduce heat to simmer and continue to cook for 15 minutes or until rice is tender.

\*\*\*\*\*

Kimberly Edwards, Stillwater, Oklahoma:

**PARMESAN CHICKEN**

1 cup grated Parmesan cheese  
2 cups soft bread crumbs  
1/3 cup melted butter  
1/2 cup Dijon mustard  
6 chicken breast halves, boned & skinned  
Combine Parmesan cheese, bread crumbs and butter. Coat chicken breasts with mustard then dip into crumb mixture. Place breaded chicken in a 9-by-13-inch baking pan. Bake at 425 degrees for 15 minutes or until chicken is done.

\*\*\*\*\*



## Baking With Sugarbuns

By Michele Carlyon  
Ophthalmologist

I would be the first to admit that I might be an over-worrier about everything, but by the same token sometimes I can be completely oblivious to things happening right in front of my face. About a year ago, I had a couple of friends come over to play games and eat dinner with Kyle and I. While they were there, they asked about my cat Mia's eye. Her left eye is speckled with flecks of brown. I told them she had been like that for a while and did not think much more about it that evening.

As time went on, I started scrolling through my fifteen thousand or so pictures on my phone and realized that those specks were not something that had been there forever like I thought they had. I got Mia in 2014, from a pregnant stray that showed up at my grandma's house. Mia was one of five and not the one I had originally planned to bring home, but I quickly fell in love with her spunky personality and in May of 2014, I brought her home. Upon scrolling through pictures, I noticed that in around 2017 you start to see the specks creep in on her left eye.

As the years have gone by, her yellow eye has become quite speckled with brown, and it just became something I thought was pretty. She could clearly see and did not show any signs of pain, but I finally decided it was something I should get checked out just to be safe. I took her to my usual veterinarian in Junction City, and she pointed out that at that time there did not seem to be a lot to worry about. She gave me pointers on what to look for and updated her shots and sent us home with me constantly watching Mia's eye looking for any signs of changes.

Fast-forward to getting engaged and eventually moving to Topeka. I clearly did not want to risk not having a vet lined up, so I reached out to an-

imal-loving neighbors and found someone who I thought would be a good fit. The two fur children and I loaded up and they went to meet their new veterinarian. I of course pointed out Mia's eye and he took some time to take a good look at it. Upon further investigation, he suggested for an abundance of caution, she should probably have it checked out by an ophthalmologist and he recommended one in Kansas City.

I made the call and a few days later and tons of late nights stress-baking, Mia and I made the trip to Kansas City to get her eye checked out. I had to wait in the lobby for most of her appointment and was having compliments thrown my way telling me how pretty she was, but eventually I made my way to meet her back in the exam room. After a long explanation of her exam, she ultimately told me that little Mia was okay for now, but eventually she might have to have her eye taken out.

My love for my fur babies runs deep and ultimately if she needs to have her eye out to live a healthy life, that will be totally fine by me. I have grown to absolutely adore her eye specks, but I will adore her just as much if she becomes a little pirate kitty. Our next appointment is in five months to recheck everything, but for now, she gets to continue living life and being just the perfect little princess that she is.

Michele grew up in Junction City and graduated from Kansas State University. She worked in the restaurant management field for six years before deciding to switch careers and now works as an office manager for a company that manufactures oilfield products. Her passion for blogging and food can be followed on Instagram: [boobsbrainsandbaking](https://www.instagram.com/boobsbrainsandbaking).

If you would like to contact Michele with comments please email [mcarlyon88@gmail.com](mailto:mcarlyon88@gmail.com)

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# Conser Sisters Announced As Champion 4-H Foods Winners

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

As an annual tradition, I share, along with the permission from the members, their "winning" champion recipe. This year is no exception. This year we had a sister duo that swept the top honors in foods.

The Overall Grand Champion Food winner was an entry from Lauren Conser of Valley Falls. Lauren's cake was also named champion in the Advanced Foods for members (12-14). She is the daughter of Holly and Andy Conser. Her 4-H age is 13 and she is an active member of the Prosperity 4-H Club. Some of her other projects include: Dog Care and Training, Goats, Arts and Crafts, Photography and Clothing Buymanship.

Lauren's winning entry was a **Chocolate Chiffon Cake**. Now for that recipe.  
½ cup cocoa  
¾ cup boiling water  
8 eggs (separated)  
½ teaspoon cream of tartar  
1 teaspoon salt  
1 ¾ cups sifted cake flour  
1 ¾ cups sugar  
1 ½ teaspoons baking soda  
½ cup salad oil  
2 teaspoons vanilla  
Mix cocoa with boil-

ing water. Beat egg whites with cream of tartar until very stiff peaks form. Sift together dry ingredients into mixing bowl. Make a well in the center. Add oil, egg yolks, cocoa mixture and vanilla. Beat well. Fold in egg whites. Pour into ungreased 10-inch tube pan. Cut through batter with spatula. Bake at 325 degrees for 55 minutes. Increase temperature to 350 degrees and bake 10 more minutes. Allow to cool completely before removing from pan.

Coming up as Reserve Overall Grand Champion in Foods was Lauren's older sister, Grace. Grace's 4-H age is 17 and she is also an active member of the Prosperity 4-H Club. Andy and Holly Conser are her parents and she is a recent high school graduate. Some of Grace's other projects include: Goats, Clothing Buymanship, Photography and Dog Care and Training.

Grace's winning entry was also named champion in Senior Advanced for member 15 years and older. Her winning entry was a **Peppermint Chiffon Cake**.  
2 ½ cups cake flour  
1 ½ cups white sugar  
3 teaspoons baking powder  
1 teaspoon salt

½ cup vegetable oil  
7 eggs  
½ cup water  
½ teaspoon cream of tartar  
1 ½ teaspoons peppermint extract  
½ teaspoon vanilla extract  
15 drops red food coloring

Separate the eggs — the whites from the yolks. Sift the cake flour, sugar, baking powder, and salt into a large bowl. Make a well in the center and add the oil, egg yolks, water, peppermint extract, and vanilla extract. Beat with mixer on low for 1 minute.

Beat egg whites with cream of tartar until stiff peaks form. Gently fold the whites into the yolk mixture. Pour 1/3 of the batter into a separate bowl and tint with the food coloring.

Alternate large spoonful of red and plain batter into an ungreased tube pan. Run a knife or spatula through the batter to make a swirled effect.

Bake at 325 degrees for 55 minutes. Increase heat to 350 degrees and bake for an additional 15 minutes or until done. Let cake cool in pan up-side-down. Remove the cake from pan when completely cool.

Thank you, Lauren and Grace Conser, for sharing your "winning" recipes with us!



By Ashleigh Krispense

Peaches are in season and we've been enjoying the bountiful produce that has been gracing our kitchen recently. While fresh peach muffins and kolaches are delicious, I wanted to look for another fun way to use some of the fresh fruit up. I found this recipe originally on Sweet and Savory by Shinee's website and adapted it just slightly to work better in my kitchen!

## Upside-Down Mini Peach Cakes

1 tablespoon cold butter  
6 teaspoons brown sugar  
3-5 fresh peaches  
1 1/2 cups flour  
1 teaspoon baking powder  
1/2 teaspoon baking soda  
2/3 cup white sugar  
1/3 cup salted butter, softened  
1 egg  
1 teaspoon vanilla  
1/2 cup buttermilk

Preheat oven to 350 degrees and grease two muffin pans with nonstick cooking spray. (There will likely be some leftover batter, but it will only fill up about 3/4 of the second pan so any remaining empty muffin cups can have about 1/2" of water put in them before baking).



Slice the one tablespoon of butter into 12 small pieces and place one in each muffin cup. Sprinkle over each one

about 1/2 teaspoon of brown sugar.



Gently fold in the cubed peaches.



Peel the peaches and slice one peach into very thin slices. Place 2-3 slices in the bottom of each muffin cup. Cube the remaining peaches into small cubes and set aside (you can cover them with plastic wrap to help prevent browning).



In a medium bowl, whisk together the flour, baking powder, and baking soda. Set aside.



In the bowl of your stand mixer, beat together the sugar and softened butter until fluffy (1-2 minutes). Add the egg and vanilla and beat again until smooth.



Alternate between adding half of the flour mixture to the bowl of your stand mixer and half of the buttermilk. Be sure to mix until just combined. Avoid over-mixing it.

Drop a medium cookie-scoop full of batter into each of the muffin cups.



Bake for 20-25 minutes or until the tops start to turn golden and a toothpick inserted comes out clean. Let sit in the pan for 5-10 minutes before serving.

Enjoy!



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



## From Croissants To Career: 4-H Food Project Leads Kansas Girl To Bakery Science

By Annika Wiebers,  
K-State Research and  
Extension news service

MANHATTAN – When a 7-year-old takes their first 4-H project to the county fair, they probably aren't thinking that it could be the first step toward their future career.

But for some 4-H'ers, it is.

Rachel Featherstone is a sophomore at Kansas State University majoring in bakery science with the specialty option of cereal chemistry. She is also a longtime 4-H member who was heavily involved in the foods and nutrition project.

"I started the foods project my first year in 4-H when I was seven," Featherstone said. "I have been doing it every year until my final year, which was my 13th year. I love the challenge of developing new skills and there was always more to learn and achieve in the project."

While many may perceive baking as an inflexible science, Featherstone loves the freedom she has to make her foods projects into art.

"There is no end to creativity, even in baking," she said. "Anytime I decorate cakes or cupcakes, shape rolls or make braids, I am always using my creativity to produce the product. The art of presentation of any food product demands creativity."

She adds: "My favorite foods project I took to the fair are croissants, which

are a French laminated pastry used for rolls or sandwiches; and croquembouche, which is also French. It is a choux pastry similar to cream puffs stacked in a cone tower, covered with spun sugar and eaten as a dessert. I enjoyed making both as they challenged me beyond regular rolls and desserts."

Featherstone's experience in the 4-H foods project helped her when it came time to choose a college major.

"The foods project requires an abundance of flour; flour comes from grain, and the utilization of grain is the focal point of cereal chemistry," she said. "Principles of Milling has been my favorite course so far (because) it taught me all about the different classes of wheat and what they are used for, as well as each part of the grain and the components and values of it. And it taught me about the milling process, which I had not considered prior to this course."

Longer term, Featherstone hopes to draw on her experiences and

what she learns through her courses at K-State to improve the quality of wheat and other grain products on the market and in baked goods.

"I am not completely sure what I want to do for a career, but the areas of analysis with relation to grain and flour and product development are of interest," she said. "While doing this I would like to find the balance between the consumer and the producer, encouraging the producer to produce a higher value grain and the consumer to obtain a healthier product."

More information on opportunities available through Kansas 4-H is available at local extension offices in Kansas. More information on the Bakery Science and Management program is available online.

Links used in this story: K-State Research and Extension local offices, [www.ksre.k-state.edu/about/stateandareamaps.html](http://www.ksre.k-state.edu/about/stateandareamaps.html)

Bakery Science and Management homepage, <https://www.grains.k-state.edu/academics/bakesci/>

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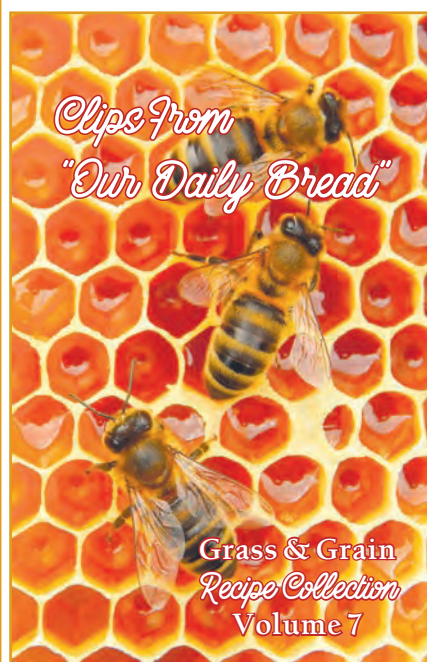
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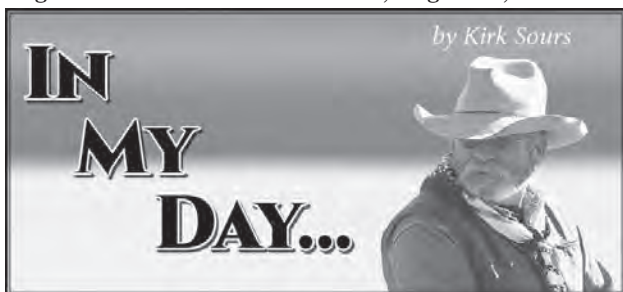
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## Fire and Rain

Working outdoors all your life gives an appreciation and respect for nature that, now, in the 21st Century, few people in the United States understand. Only if you work outdoors, through all four seasons, year in and year out, can you fully grasp and appreciate the forces of nature.

Farmers and ranchers were once the majority demographic of American population. The Great Depression and then WW2 saw a massive migration from farm country to urban centers. We're now 3-4 generations removed from the land, and therefore only a small minority of people have first-hand experience with long term weather cycles, drought

effects, and seasonal "abnormalities". We tend to mark time with "the flood of '93", "The drought of '12-13," "The ice storm of '73," and "The blizzard of '79." Absent personal experience, most Americans also have very little memory retention, and are vulnerable to the whims of politicians and corporations who see avenues to control more and more of the marketplace, and enact policies which become burdensome to those who actually work in, and experience, the weather environment.

Climate Change. I've always said "Those who squawk about global warming the loudest are those who leave their cli-

mate-controlled homes in their climate-controlled automobiles and drive to their climate-controlled offices to study or report data of a climate they rarely experience."

But I really did not set out to write a political commentary here about climate policy. Personally, my climate policy has been if you cannot live and cooperate or adapt and co-exist in the climate you currently reside, move. The geological record shows the climate has been changing forever.

That being said, I have had near-death experiences "co-existing" with my ambient climate, and while I have written a little about a blizzard and some dry storms, I thought I'd expound just a bit more about that one thing that simultaneously raises your hair and makes you duck and seek lower ground; lightning.

I've had several close calls with lightning; some while horseback, some on a tractor, and a few simply while driving. I once saw a bolt of fire hit a high volt-

age wire and drop burning goop on the road just feet in front of my truck.

But I have to say the most impressive were a-horseback. One particular event was while working for Krause Cattle Company. I was missing a two-week-old calf and that afternoon the heavy clouds began to drop a slow spring rain. No big deal. I've got rain gear. That morning I had scoured the calving pasture to no avail. The mother was bawling and looking off into the neighbor's pasture to the north, so I went back that afternoon. The easiest access to the neighbor's pasture was to come in from the road side gate, so I pulled in, unloaded my horse from the covered stock trailer and headed off into the hills to find their cows, which I suspected the calf had slipped through the fence and followed off to who knows where.

I had no more than located the herd than the rumbles of thunder began, and the steady slow rain began to increase in intensity. I rode on into the

herd checking tag colors on calves, as our missing calf was black and would blend in easily with the neighbor's Angus cattle. The rumbling distant thunder had transformed into more local "booms" and I hadn't found the calf, so I decided to hustle back to the trailer.

The bright flashes were intensifying and the more immediate crashes prompted us into a lope, and I was reminded of a fellow who showed me his saddle that had a quarter-size burnt hole through it where he had actually been struck by lightning and his horse was killed. He had obviously survived, basically because a neighbor on the next section had heard his reactionary yell and came looking for him.

As we loped up to the trailer the rain was coming in torrents now, and my hat was soaked clear through with water running down my neck. My slicker was now just staying off the wind. I jumped from the saddle, hurriedly opened the trailer gate

and my horse loaded up with no prompting, as I followed him in. We hadn't been in the trailer more than a few minutes and I happened to be looking up the draw through the slats on the side when a dead tree about a hundred yards away that I was looking past, suddenly exploded in a flash of white light. The remaining limbs hurtled through the air fading to flaming red brands, then to charred, smoking missiles by the time they hit the ground. My horse and I both came off the wooden floor of the trailer, and I pulled my hand off the steel slat. We were very soon heading back down the road toward headquarters.

Oh yes, I have seen fire, and I've seen rain...

*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.*

# Soil and heavy metals – are they a problem?

By Jesse Gilmore, Wildcat Extension District horticulture agent

We recently had a soil test for some industrial topsoil come back high in lead levels. Care should be taken when acquiring topsoil from more urban or industrialized land because these soils could have higher levels of heavy metals. However, this is not necessarily a problem, depending on your exposure to the soil. Heavy metal is a general term for any element with a mass higher than iron, and overexposure to heavy metals can cause chronic health problems. The four heavy metals with the highest soil concentrations are arsenic, cadmium, chromium and lead. These metals all occur naturally in soil to some extent, but industrial applications that use these metals make contamination more likely.

Lead is by far the most significant of these four contaminants because of its health effects and widespread industrial application. Background levels of lead in Kansas soils can range anywhere from 50ppm to 200ppm. According to the Environmental Protection Agency (EPA), the allowable maximum of lead in soils is 2,000ppm. Any higher and the soil either needs to be decontaminated or removed. However, for children, the maximum lead exposure limit is 400ppm, since lead can cause developmental issues. Keep in mind that there is no "safe" amount of exposure – you always want to limit possible exposure if you can. Topsoil from nurseries and garden centers should not contain any extra contamination, but if you're thinking of purchasing topsoil from more urban areas, it might be worth getting a test

done through your Extension office to see if any extra soil management will be needed.

If your soil does come back hot in heavy metals, you can still use the soil, but you need to exercise caution, especially when gardening in it. Contrary to popular belief, lead does not end up in the food you grow in contaminated soils in any excessive quantity. This is because lead is immobile in the soil. A minor amount of lead will be taken up, but the more likely exposure pathway is inhalation of dust for adults, and ingestion for kids. You can minimize the risk of exposure in the garden by following these tips:

- Grow "upstream" vegetables. The farther the heavy metal has to travel in the plant, the less of it will end up in the parts you eat. Fruiting vegetables like tomatoes and peppers will have lower lead levels than leaf vegetables like lettuce or spinach.

- Grow vegetables that are easier to clean and avoid growing root vegetables. Lettuce is

again an example offender because dirt can end up trapped inside the head, where it is then ingested. Root vegetables are also discouraged because of the deep cleaning that they would require to prevent soil ingestion.

- Make sure your soil organic matter and pH levels are high. Studies in Toledo and Seattle have shown that soil lead concentrations fell by almost half when compost was incorporated into the soil. When purchasing topsoil, consider adding compost or manure to it.

- Sometimes residential soils will also have elevated lead levels thanks to lead-based paints. Don't leave bare soil in your landscape, where children can play and ingest it, or where the wind can kick up dust. Grow plants or turf in the soil, mulch the soil, or cover it with a tarp if the soil is going to serve as a foundation for a structure.

- Wash gardening clothes separate from other laundry, and clean all tools after use.

- Make sure that soil nutrient levels are

where they need to be for a garden. The more nutrients, (especially phosphorus) a soil has, the less will be available to plants to take up into vegetative tissue.

Because soil fertility is an important part of keeping lead unavailable to plants, it's important to have regular soil sam-

ples. Extension offices can take soil samples for both plant nutrients and heavy metals if they are a concern. Get in touch with your county office for more info.

For more information, please contact Jesse Gilmore, Horticulture Agent at (620) 724-8233, or jr637@ksu.edu.

## FSA makes payment adjustment to LIP

The Farm Service Agency (FSA) recently updated the Livestock Indemnity Program (LIP) payment rates for non-adult beef cattle weighing less than 250 lbs. LIP payment rates are 75% of the fair market value of eligible livestock using nationwide prices for the previous calendar year.

Prior to the announcement, 2022 calculations for LIP assistance for non-adult beef cattle weighing less than 250 lbs. was \$175, which reflected an average market price of \$233. The update increases the payment rate to \$474.38, representing a market value of about \$632. This increase aligns the payment rate for calves under 250 lbs. with the rate for calves between 250 lbs. and 399 lbs.

According to FSA, these rate changes are effective immediately and will be applied retroactively starting January 1, 2022, for all eligible causes of loss, including excessive heat, tornados, winter storms, wildfires and other qualifying natural disasters. Producers who already have received LIP payments for this year will receive an additional payment, if applicable.

For more information, contact the local FSA office.

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# 2022 OTTAWA COUNTY FAIR LIVESTOCK GRAND AND RESERVE CHAMPIONS



The Grand Champion Market Steer was owned by Weston Schrader of the Solomon Valley 4-H Club.



Weston Schrader, Solomon Valley 4-H, also exhibited the Reserve Grand Champion Market Steer.



Weston Schrader, Solomon Valley 4-H Club, received the Champion Breeding Heifer award.



Weston Schrader, Solomon Valley 4-H Club, showed the Reserve Champion Breeding heifer.



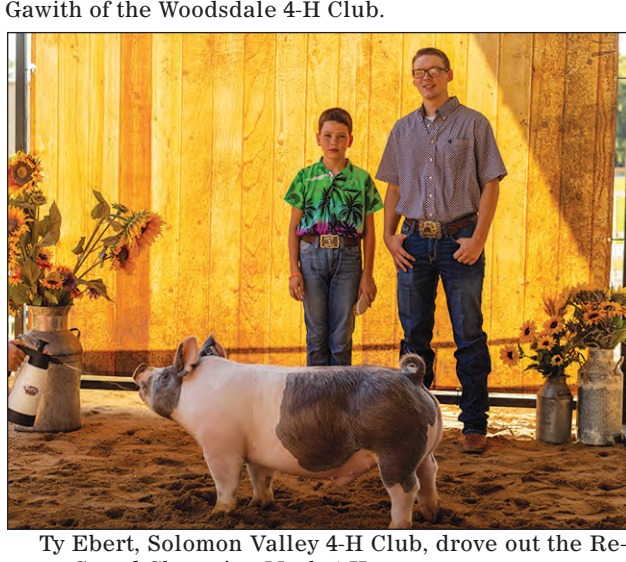
Grand Champion Bucket Calf was exhibited by Lydia Gawith of the Woodsdale 4-H Club.



Taking top honors in the 2022 Ottawa County Beef Showmanship were: Ty Ebert, Champion Junior; Emrie McDuffie, Reserve Champion Junior; Josi Schrader, Champion Senior; Weston Schrader, Reserve Champion Senior.



Ty Ebert, Solomon Valley 4-H Club, drove out the Grand Champion Market Hog. He was also named the Champion Jr. Swine Showman.



Ty Ebert, Solomon Valley 4-H Club, drove out the Reserve Grand Champion Market Hog.



The Champion Breeding Gilt was shown by Ty Ebert of the Solomon Valley 4-H Club.



The Grand Champion Market Lamb at the 2022 Ottawa County Fair was shown by Savanna Juneck of the Solomon Valley 4-H Club. She was also the Reserve Champion Senior Sheep Showman.



Savanna Juneck, from the Solomon Valley 4-H Club, also showed the Reserve Grand Champion Market Lamb.



The Supreme Breeding Ewe was shown by Savanna Juneck of Solomon Valley 4-H Club.



The Reserve Champion Breeding Ewe was shown by Savanna Juneck of Solomon Valley 4-H Club.



Champion Sr. Sheep Showman is Kolby Phipps, from the Solomon Valley 4-H Club.



Champion Jr. Sheep Showman is Bella Anderson, from the Solomon Valley 4-H Club.

**These area businesses offer their congratulations to all Ottawa County 4-H members on another successful year!**

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Josi Schrader, Solomon Valley 4-H Club, led out the Grand Champion Market Goat.



Bailey Mader, Pleasant Valley 4-H Club, exhibited the Reserve Grand Champion Market Goat.



Weston Schrader, Solomon Valley 4-H Club, led out the Supreme Breeding Doe. He was also named the Champion Senior Meat Goat Showman.



Josi Schrader, Solomon Valley 4-H Club, showed the Reserve Champion Breeding Doe.



Brooklynn Swetson, Pleasant Valley 4-H, showed the Grand Champion Dairy Goat and was the Reserve Champion Jr. Dairy Goat Showman.



Colton Crosson, Solomon Valley 4-H, showed the Reserve Grand Champion Dairy Goat. Colton was also the Champion Jr. Dairy Goat Showman.



Kearlee Thrush, Minneapolis FFA, was named the High Point Horse Exhibitor at the 2022 Ottawa County Fair. Kearlee also received Champion Overall Senior Showman.



The Grand Champion Mare was shown by Tye Malmberg from the Woodsdale 4-H Club. Tye was also named the High 4-H Horse Exhibitor and received the Amos Nelson Award.



Aiden Anderson was the Champion Jr. Meat Goat Showman from the Solomon Valley 4-H Club.

# AUCTION

**THURSDAY, SEPTEMBER 8, 2022 — 5:00 PM**

Auction will be at the Farm located 8 miles South of Smith Center on Highway 281 to 250 Road then 1/4 mile East - 16012 250 Road, GAYLORD, KANSAS

<p><b>TRACTOR, TRAILER, BOX BLADE</b></p> <p>John Deere 4430 diesel tractor w/Farmhand XL945 loader, grapple fork, shows 2770 hours. 1976 WW 6'x16' covered stock trailer; 8'x21' flat-bed tandem axle trailer; 14' pull type box scraper; 150 gal diesel tank on 2 wheels; wood portable loading chute; John Deere D130 riding lawn mower; yard sprayer.</p> <p><b>NOTE: Check our website for pictures at <a href="http://www.thummelauction.com">www.thummelauction.com</a></b></p>	<p><b>COLLECTIBLES, HOUSEHOLD &amp; TOOLS</b></p> <p>Couch; recliner w/heat &amp; vibrator; LG flat screen TV; cream can; floor safe; wood crate; serving cart; coolers; sewing cabinet; porcelain pans; show cases; games; coffee grinder; antlers; bread box; shelves; pots &amp; pans; wood scopes; pedal Row-Cart; bucksaw; sled; primitives; drill bit collection; wash tub; pedal grinder;</p>	<p>yard art; grill; duck decoys; Tonka truck; Goetz beer box; 1 man saw; roll wire; Auto Socket Wrench cabinet; iron wheel; corn sheller; Stihl 030AV chain saw; bench grinder; 4" vise; combination wrenches; bolt cutter; yard tools; bottle jack; T-posts; step ladders; pickup tool box; hog crates; assortment of other items.</p>
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**ROY BELL**

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Coy Malmberg, Woodsdale 4-H, showed the Grand Champion Gelding.



The Grand Champion Pony was shown by Emery Lambdin.

## RCLA Summer Tour to be held Aug. 28

The annual Riley County Livestock Association Summer Tour will be held on Sunday, August 28, 2022, starting at 5:00 p.m. at Booth Creek Wagyu, 12900 Booth Creek Road, Olsburg. Booth Creek Wagyu is owned by Dave Dreiling and managed by Andrew Coates.

Andrew Coates was raised on Wagyu ranches in Australia and came to the United States at age 18. He came to Kansas from California in 2021. While in California he played a role in developing large Wagyu operations, both in America and abroad.

Wagyu cattle are known for their high degree of marbling, producing high quality meat products for consumers who want an elite dining experience. Booth Creek Wagyu also owns the processing facility in Riley, Meatworks of Kansas, so they control all phases of production, from conception to the cooler.

Tour participants will enjoy a tour of the Booth Creek operation, and a free supper provided by the Riley County Livestock Association and Booth Creek Wagyu, with watermelon donated by A&H Farm. Food and table service are provided. Participants are asked to bring their own lawn chairs.

Reservations to attend the RCLA Summer Tour are needed by Thursday, August 25.

Register online at [www.riley.ksu.edu](http://www.riley.ksu.edu), or call the Riley County Extension Office at 785-537-6350.

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# After soil test, consider liming acid soils

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

Fall is a great time for soil testing – providing we get some moisture to allow us to get a soil probe in the ground. While much of our focus centers on nitrogen, phosphorous, and potassium, don't overlook the soil pH number that's a part of most soil test analyses.

A soil test pH value is only going to tell part of the story, with measurement for buffer pH critical to determining the needed lime application level. Soils with higher clay contents and organic matter levels will have greater acidity at a given pH, and will require more lime/ECC (effective calcium carbonate) to reach a target pH than a sandy soil. This is why two soils may have the same soil pH but have different lime requirements.

Lime rates are given in pounds of effective calcium carbonate (ECC) per acre, so knowing the ECC value of your liming material (they vary widely) is key to applying an appropriate rate. All lime materials sold in Kansas must guarantee their ECC content, with measurements such as the chemical neutralizing value of the lime material relative to pure calcium carbonate, and the fineness

of crushing, or particle size, of the product factoring in to the product's ability to correct soil pH. The combination of ECC level needed to correct pH as well as a product's ECC analysis helps to determine how much of one product you might need versus another, as well as the rate that needs applied.

Some products may be marketed as pH correction products but are not. Research has clearly shown that a pound of ECC from agricultural lime, pelletized lime, water treatment plant sludge, fluid lime, or other source is equal in neutralizing soil acidity. Thus, the cost per pound of ECC applied to your field is a primary factor in source selection. Products without an ECC value – even if they include calcium – won't be effective at pH correction. Gypsum or liquid calcium products (calcium chloride or calcium nitrate, for example) fall in to this category.

Soil pH is an important facet of a balanced nutrient management program. For best results, always start with a good soil test and then correct with an appropriate product to make that nutrient management program work effectively, efficiently, and economically.



Emrie McDuffie, Pleasant Valley 4-H Club, was named the Champion Junior Horse Showman.



The Grand Champion Intermediate Showman was Carsen Nichols of Solomon Valley 4-H club.

## K-State updates info on feed safety sampling resources

Kansas State University has released new recommendations for sampling feed that officials say will help meet the agricultural industry's need to limit the presence of pathogens in feed mills.

The new feed sampling resources website can be found online at [www.KSU-Feed.org](http://www.KSU-Feed.org).

"The concept of feed safety – or applying biosecurity to a feed mill and feed delivery system – has become more common in the swine industry to limit pathogen introduction into feed mills or production locations," said veterinarian Grace Houston, who completed the new recommendations as a doctoral student working with K-State's feed safety team. "These resources were designed with the intent of meeting the industries' need for sampling resources of pathogens within feed mills."

Houston said implementing a sampling program to measure the amount of potential pathogen contamination within a feed mill is challenging given the uncertainty of sample size and minimal standardization for sampling techniques. She said there is an industry need for sampling resources for feed mills and production systems if a business is concerned about feed safety.

"The goal was to create resources that could be accessed by anyone who is interested in creating a feed safety sampling program at feed mills," Houston said. "These resources have also been formatted in a variety of different ways so that a wide range of people can utilize them."

Houston said the resources are split based on the intended audience:

- Standard operating procedures instruct feed mill employees on how to take feed and environmental samples, how to log samples, and how to ship samples to the laboratory.
- Additional resources instruct veterinarians, feed mill managers, or nutritionists on sample size, the types of samples, where to collect samples, how to interpret results from laboratory analysis, and strategies to reduce contamination.

Houston noted that most of the resources are in PDF format, but some standard operating procedures are also in video format or Excel spreadsheets.

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## Kid's Corner

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What is bright orange with a green top and sounds like a parrot?  
*A Carrot*

I am as light as a feather but even the strongest man can't hold me for more than a minute. What am I?  
*Breath*

Can you find all 12 differences between these pictures?

Share a laugh with these jokes!

Why isn't your nose 12 inches long?  
*Because then it would be a foot.*

Why is the Mississippi such an unusual river?  
*Because it has four "i's" and can't even see.*

## Weather Terminology Word Search

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RAINY  
WINDY  
PARTLY CLOUDY  
COLD  
WARM  
HOT  
FREEZING  
MILD

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P	D	D	J	L	J	Q	A	U	T	A	U	I	R	D
M	N	P	M	C	N	Y	R	H	R	C	L	M	O	P
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K	B	H	K	L	D	Y	Q	V	X	T	G	D	D	Q
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Y	B	Z	E	U	R	R	R	A	H	Z	G	N	Q	K
C	X	Z	S	I	W	I	H	F	X	K	U	P	Q	S
I	J	G	L	M	Z	I	T	C	S	S	P	V	Q	Z
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Andrew Pope, M.D. Steve Peloquin, M.D.



I have a granddaughter starting college and a grandson in preschool, with three others scattered in between. Five

grandkids – and I'm proud to say there's not a dud in the bunch! Each one is bright and curious, unique and full of personality.

My granddaughter is going to Vassar to study biology and then plans to go on to medical school where she intends to become a psychiatrist.

She will be able to write prescriptions should dear old Grandmama live that long. Here is how I foresee the conversation:

"Lulu," the old lady said in a voice that cracked, "I need some more Valium!"

"Grandmama," replied the young professional woman, "I gave you Valium last week. You can't have any more until 2048."

"I'm disinheriting you!!!"

"Seriously, Grandmama? Does that mean I don't have to take your gravy boats and 1,995 books on the Civil War?"

It's the thing now to take photos of kids on the first day of school with a little sign that gives the date, the grade, their age, and sometimes, their adult goals. So Noel took pictures of Mr. Tiny (I know, we have got to stop calling him that!) with his little sign. He is so stinking cute it should be illegal. Where it proclaims,

"What do you want to be when you grow up," there is written his answer for all the virtual world to see: Nothing.

He is very smart, very curious, an amazing conversationalist for a four-year-old and I fear that some folks will look at that photo and, not being acquainted with this little gentleman, will feel sad for him that he has no ambition.

I, knowing him as I do, laughed out loud. Being the baby of the family he does not have the societal pressure to achieve

and prove something. But he does have incredible curiosity and thinks outside the box. Whatever he chooses as an adult, I'm sure it will be something!! Maybe he will be getting my 1,995 books on the Civil War...

Deb Goodrich is the co-host with Michelle Martin 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* through 2025. Contact her at author.debgoodrich@gmail.com.

## Propane Council advises preparation as extreme weather could impact grain drying

Delayed planting in many states may cause high moisture corn to be a common challenge this harvest, requiring longer periods of grain drying than average. Due to increased uncertainty, the Propane Education & Research Council (PERC) recommends participating in early tank fill programs before peak harvest demand.

PERC's Grain Drying Calculator tool helps plan ahead for propane supply needs. Available for free online, farmers can simply enter the number of acres, estimated

bushels per acre, and optimal moisture percentages to determine gallons needed.

"Farmers will need ample supplies of propane to dry corn if they are faced with a short harvest season before winter," said Mike Newland, director of agriculture business development for PERC. "While much of the nation is experiencing drying conditions, it will be important for producers to monitor weekly crop moisture levels and plan their grain drying fuel supplies accordingly."

## K-State Rural Education Center enters strategic partnership with Rural Schools Collaborative

The Rural Education Center in the Kansas State University College of Education has entered a strategic partnership with the Rural Schools Collaborative to strengthen and advance every aspect of rural education in Kansas.

The Rural Schools Collaborative, housed at Monmouth College, is a national grassroots network of rural schools, higher-education institutions and organizations focused on rural teachers and rural education.

Lori Goodson, Rural Education Center assistant director and assistant professor of curriculum and instruction, believes important syn-

ergies will develop from this initiative.

"We see the center's involvement with the Rural Schools Collaborative network as a significant opportunity to unite with other stakeholders and join the growing chorus of educators and researchers raising their voices for the good of all rural communities," Goodson said. "We are excited about this partnership because Kansas communities will both benefit from and contribute to the overarching effort."

Goodson is joined by Spencer Clark, Rural Education Center director; Diane Beets, the center's program coordinator; and Kevin Colle, center pro-

gram/project coordinator, to diligently challenge and ultimately change stereotypes surrounding rural schools.

"We need to rewrite the rural narrative to help the broader society move away from a deficit perspective regarding rural schools and shift to an assets-based perspective," Goodson said. "Rural schools and communities are so unique and distinct – and there are tremendous educational assets embedded within that uniqueness – that we need to leverage and make others aware of authentic stories of rural life."

The Rural Education Center supports all the

rural school districts throughout the state and works especially closely with districts in the southeast, southwest and northwest regions of Kansas to:

- Generate grants and other projects to help rural school districts.
- Create a homegrown workforce for schools.
- Advance rural student leadership in the College of Education.
- Help generate place-based curriculum that makes use of the unique learning available to rural schools.

Over the past two years, the center has instituted three key programs to support rural education and rural

teachers throughout Kansas, including:

- LEAPES, an acronym for Learning Exploration and Application for Prospective Engineering Students, is a collaborative project funded by a \$2.7 million grant from the Department of Defense that promotes STEM education among seventh to 12th grade students throughout the state.
- ED ASTRA, an acronym for Education Advocates Supporting Teachers in Rural Areas, launched in fall 2021. It is designed to emphasize future rural educators by creating a community of rural-focused future teachers.
- RPDS, or Rural Pro-

fessional Development School, Network was launched in 2020 and expanded in 2021. The RPDS network is a critical component of the center's efforts to create opportunities for all Kansas rural districts. It brings together representatives from school districts across the state to help address the most pressing needs of rural schools by providing a discussion space and forum to share best practices, explore grant opportunities, and highlight accomplishments.

More information about the Rural Education Center is available on its website and through the center's e-newsletter, Rural Crossroads.

## Extension agent shares take-away from a trip to Nebraska

By Ross Mosteller, Meadowlark District Extension agent, livestock and natural resources

If you know me, you know I have great appreciation for the ruminant animal and their ability to convert sunlight into food through the power of the rumen, arguably as effectively as any agriculture system. Recently I attended the Nebraska Grazing Conference in Kearney, which has the wheels in my mind spinning on several of the topics and how to implement them for Meadowlark producers. Over the next couple weeks, I plan to address some of these, but will do a quick summary of emergent topics discussed. Warning: I'll give the same disclaimer as speaker Steve Kenyon gave, some of this might offend the reader. That's not my goal, but hopefully, it helps you think deeper

and/or broader. So, what were some of the emergent issues?

**Grasslands Biome Collapse.** The great plains have some of the last remaining, wide-spread grassland ecosystems in the world and they are in trouble! The greatest threats to the grassland biome are: land use (tillage and housing development namely) and woody encroachment. There is little doubt that tackling the first can get me into trouble, even with good friends, so my focus in the future will be on the woody encroachment side. Estimates are that 132 million acres in the Great Plains are in a direct threat from woody invasion, most notably eastern red cedar. Next week we'll pick back up on this topic, but I came home wanting to cut down the cedar trees in my windbreak, write a burn

plan and already long-hated honey locust!

**Old World Bluestem and other invasive species.** Some producers are very well acquainted with some of the non-native, bluestem grass species. Yellow Bluestem, Caucasian Bluestem, Broomsedge Bluestem are all common terms to describe the class of problematic introduced plants. Like many non-natives, these are grasses introduced into the United States with the hope of serving specific purposes, but for one reason or another, they have negative side-effects and out-compete our natives. There is encouraging news in fighting Old World Bluestems, much of which comes from work at the K-State Research Center in Hays. This crowd also considered smooth brome as invasive, so guess it's all in your perspective! The first two topics are a bit negative and scary, the next two have more of an optimistic look.

**Collaborative Adaptive Management Strategies.** Simply defined, this is a "learn by doing, with structured decision-making" approach to land man-

agement. Some interesting research was shared from both the University of Nebraska and USDA Agriculture Resource Service in Colorado. The big picture of the research, was long-term sustainability of grazing systems, focusing on: pasture evaluation, woody encroachment control, heterogeneity of plant species, livestock performance and building soil.

**Regenerative Agriculture.** Steven Kenyon, Alberta, Canada, challenged many traditional production practices and schools of thought on topics ranging from; the most important ranch employees are insects, microbes and other 'critters,' monocultures are ugly, predators are beneficial, fertility comes from air not soil and many other thought-provoking topics. Being part of a researched-based system, I always want to see replicated data, but what was shared was very interesting, delivered in an entertaining way and has me wanting to try some practices.

Outside of the conference itself, although we need another round of

rain, I felt blessed to see how good things look at home compared to most of my drive across northern Kansas and southern Nebraska. If you've read this far, I appreciate you hanging with me on this different approach to a news article, as promised, more to come on some of the topics above. Like my

Dad always used to say, "You never learn anything staying at home" and I've appreciated the opportunities Extension provides to continually learn. If you want to review proceedings from the Nebraska Grazing Conference, please visit: <https://grassland.unl.edu/nebraska-grazing-conference>

## NACD applauds historic conservation investments in Senate proposal

NACD applauds the historic investments to bolster conservation efforts across the country included in the recently released Inflation Reduction Act of 2022. This proposal from the U.S. Senate would provide strong funding for critical conservation programs at the United States Department of Agriculture's (USDA) Natural Resource Conservation Service (NRCS), including:

- \$8.45 billion for the Environmental Quality Incentives Program (EQIP)
- \$6.75 billion for the Regional Conservation Partnership Program (RCPP)
- \$3.25 billion for the Conservation Stewardship Program (CSP)
- \$1.4 billion for the Agricultural Conservation Easement Program (ACEP)

The proposal also includes \$1 billion for conservation technical assistance, which allows NRCS and conservation districts across the country to help producers and land managers assess resources needs, develop plans, and implement effective conservation practices. This funding will also support critical NRCS staffing needs.

"NACD applauds these proposed investments in farm bill conservation programs, conservation technical assistance, and other critical conservation initiatives," said NACD president Michael Crowder. "USDA conservation programs are oversubscribed, and this funding would go a long way in helping more producers across our country implement conservation practices to improve their operations and make their lands more resilient to the changing climate."

The proposal would also invest billions of dollars to support healthy forest management practices, public lands maintenance, and wildfire mitigation and resilience, as well as other conservation efforts in rural and disadvantaged communities.

**\*\*PUBLIC AUCTION\*\***  
**SATURDAY, AUGUST 27, 2022 — 10:00 AM**  
 1002 South 6th, BURLINGTON, KANSAS  
 Antique Furniture in nice condition; Lawyer's Bookcases; Old Clocks; Desks; Unusual Dresser; Wash Stand Cabinet; Sideboard; Steamer Trunk; Good Appliances; Misc. Household; Furniture; Nice LaCrosse Sleeper Sofa; Patio Set; Nice Hospital Bed; 2 Electric Mobility Chairs; Brown Lift Chair; Delta Drill Press; Craftsman Jig Saw, Band Saw & Lg Table saw; Portable Pancake Air Compressor; Small oxy/acetylene set w/tanks; Small power tools; Good misc Wrenches, Sockets, etc.  
 GUNS: (approx. 20). List on website; selling 12:30 pm.  
 Plan to be here. Lots of Great items! Lots of Shade.  
 Food onsite: Big B's BBQ, Lebo, KS  
**BRUNGARDT ESTATE/BEFORT FAMILY, SELLERS**  
 Complete sale bill, terms & pics at: [www.kansasauctions.net/kurtz](http://www.kansasauctions.net/kurtz)  
**KURTZ AUCTION & REALTY SERVICE AUCTIONEERS:**  
 Darwin W. Kurtz, 785-448-4152  
 Col. Ben Ernst, 620-364-6786

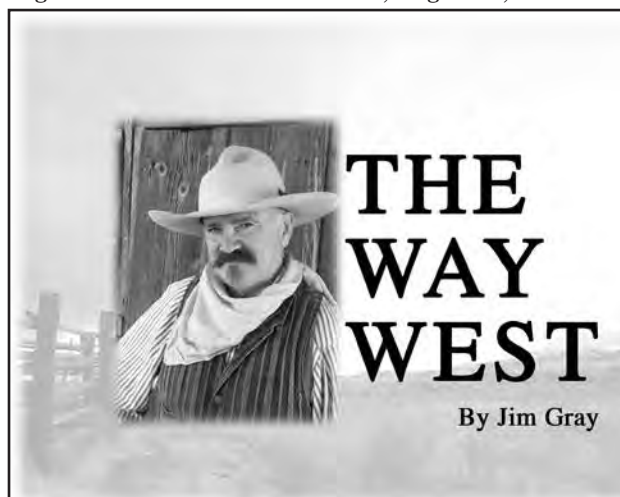
**LAND AUCTION**  
**412+/- ACRES in 3 TRACTS in LYON COUNTY**  
**TUESDAY, SEPTEMBER 13, 2022 - 6:00 PM**  
 AUCTION LOCATION: The American Legion Post 5, 2921 W. 12th Ave., EMPORIA, KANSAS 66801  
 SELLER: J.D. MILLER & SONS, INC.  
 TRACT #1: 97.84+/- ac: 4 mi south of Emporia on HWY-99 to Rd 120, turn east and continue for 1.25 mi. BRIEF LEGAL: The E/2 of the NE/4 AND the east 20 ac of the W/2 of the NE/4 of S11-T20S-R11E. A nice mixed tract with 33.96 Dryland acres, 63.88 Native Grass acres, cropland, hay meadow and potential building site.  
 TRACT #2: 157.44+/- ac: 3 mi south of Emporia on HWY-99 to Rd 130, turn west and continue for 1.5 mi to Road J, turn south and continue for 1 mi. BRIEF LEGAL: The NW/4 of S09-T20S-R11E. Native and mixed grass pasture plus FAA Lease and Tower with \$4,000 of annual income.  
 TRACT #3: 157.03+/- ac: 3 mi south of Emporia on HWY-99 to Rd 130, turn east and continue for 5.5 mi to Rd S, turn south and continue for 0.5 mi. BRIEF LEGAL: The SE/4 of S04-T20S-R12E. Native and mixed grass pasture with wildlife and potential building site, only a half mile of gravel.  
 For full listing, terms & photos [GriffinRealEstateAuction.com](http://GriffinRealEstateAuction.com)  
**GRIFFIN**  
 Real Estate & Auction  
 Phone: 620-273-6421 Fax: 620-273-6425  
 305 Broadway, Cottonwood Falls, KS 66845  
[griffinrealestateauction@gmail.com](mailto:griffinrealestateauction@gmail.com)  
 In Office: Heidi Maggard, Linda Campbell  
**CHUCK MAGGARD**  
 Sales/Auctioneer  
 Cell: 620-794-8824  
**HEIDI MAGGARD**  
 Sales/Broker  
 Cell: 620-794-8813

**GUN AUCTION**  
 601 S. BROADWAY - SALINA, KANSAS  
 Currently accepting guns, ammo, bows, accessories, and all hunting related items.  
 Call for information on how to consign your items!  
**Wilson Realty & Auction Service**  
 OFFICE - 785-823-1177  
 LONNIE WILSON - 785-826-7800  
 WEBSITE: [www.soldbywilson.com](http://www.soldbywilson.com)

**AUCTION**  
**SATURDAY, AUG. 27, 2022 — 9:30 AM**  
 The following sells located 4 miles S. of OVERBROOK, KS on Shawnee Heights Rd., then 1/2 mi. E. on 189th to 6202 E. 189th St.  
 12 guns - Sell First at 9:30; 2003 Chevy Silverado 1500 single cab, 2WD, 93k mi.; 2014 Chevy Captiva Sport LTZ, loaded, 78.2k mi.; '96 Ford F250, 7.3 dsl; Antique French cupboard; Fancy Hoosier cabinet; Chautauqua wooden ice box; Antique glove box chest; 14+ Hump & Square trunks; 15+ German Bavarian wooden figures; 5 nutcrackers; 20+ German steins; 16+ Willow Tree figures; Grasshopper mower; 5 metal patio sets; Wooden corn sheller; Ford 8N tractor; Cut glass Cordial & Decanter set; Nice pictures & frames; VERY LARGE SELECTION of books, old maps, Oriental decor, tools, yard art, kitchen, holiday, MUCH MUCH MORE. NOTE: VERY LARGE auction with quality merchandise. Tons of antique & vintage items of all sizes.  
 No Buyers Premium or Sales Tax - Cash or Check - Sorry, NO cards. Plan to attend, you will not be disappointed. 3 RINGS POSSIBLE.  
**KARR TRUST**  
 Pics & Info: [www.wischoppauctions.com](http://www.wischoppauctions.com)  
**WISCHROPP AUCTIONS** \* 785-828-4212 \*

**\*\*LIVE AUCTION\*\***  
**FRIDAY, AUGUST 26, 2022 - 10:00 AM**  
 AUCTION LOCATION: 11225 SW Hwy 54, Augusta, KS 67010  
**TRAILERS:** 1988 Fruehauf Semi \* 16' Load Trail Flat Bed Tandem Axle \* Homemade Gooseneck Triple Axle Trailer 30' Heavy Duty.  
**TOOLS & BUILDING MATERIALS:** Holzher Uno 1302 Edgebander \* T Posts \* Corrugated Wall Panels, Metal, 12'x 8" \* Lincoln Power Arc 5500 Welder \* Industrial Air Compressor \* Wacker Tamp ES454 \* (3) Dewalt Mitre Saw Stands \* Werner Step Ladder \* Remington 215K BTU Space Heater \* Power Tools \* Dewalt Gas Air Compressor \* (2) The Bull MK246 Air Compressor \* Bosch Table Saw Extension \* CM Hurricane 1 Ton Chain Hoist \* Kobalt Toolboxes \* Kobalt & Rigid Pipe Wrenches \* Porter Cable, Senco, Bostitch Air Nail Guns \* Dewalt Mitre Saws \* Dust Dog Dust Collection \* 2.5 Ton Pallet Jack \* Air Coolers - Portable AC Units \* Husqvarna FS 413 Concrete Saw \* Husqvarna 450 Rancher Chainsaw \* Rigid 16 Gallon Shop Vac \* Compound Mitre Saws \* Multiple Hand & Power Tools \* Fork Lift Boom, Gap 1000 \* Simpson Hardware Framing Material \* Light Fixtures \* Trim \* Laminate Sheets \* Ceramic Tile \* Insulation \* Fork Lift Extensions \* Driveway Magnet \* Carpet Pole.  
**LUNDGREN REALTY, INC.**  
 Download the Sundgren Realty App or View more details at: [www.sundgren.com](http://www.sundgren.com)  
**JEREMY LUNDGREN: 316.377.0013 \* RICK REMSBERG: 316.322.5391**





## Always Young For Liberty

Richard Josiah Hinton was born at London, into relative poverty on November 26, 1830. His early life was described as “one of hardship – a struggle for bread.” However, according to his friend, colleague, and Kansas historian William Connelly, “discouraging circumstances proved his greatest blessing, for they developed in him those sturdy qualities for which the Briton is so world famous.” Not content to remain on the lower rung of society Hinton spent every spare moment “poring over his books,” to secure an education. That hard-won education instilled in him a desire to recognize and raise the condition

of those who struggled for their daily bread. He soon turned to America, the land of freedom and broader opportunities. In America Hinton championed the idea of liberty under a stable government for all citizens. It was plain to him that the sources of all power in government are in the people.” After arriving in New York City in June of 1851, Hinton pursued the printer’s trade, studied medicine, and attained a degree in topographical engineering. But it was writing that captured his passion. Having mastered the art of shorthand he became a reporter for several New York and Boston newspapers.

America in the 1850s was a tinderbox, uneasily expecting the spark of misfortune to flare at any moment. As we have written before, Hinton determined in 1856 “to cast his lot with the struggling patriots” in Kansas Territory. He was with the first wagon train of emigrants to travel across Iowa and Nebraska to Kansas on the Lane Trail. Hinton led thirty Massachusetts men through Topeka to Lawrence, arriving August 31, 1856.

Territorial Governor Wilson Shannon had resigned. Acting Governor Daniel Woodson declared that the territory was in a state of open insurrection and rebellion. Woodson called on the pro-slavery “territorial militia” to restore order. With Lawrence as his headquarters Richard Hinton fervently wrote to eastern newspapers, reporting on the daily horrors of “bleeding Kansas.”

John W. Geary arrived on September 9, 1856, having been charged with bringing peace to the territory as the newest Territorial Governor. Reversing Woodson’s call for the militia, Geary ordered all militias to disband. At Franklin, a short

distance southeast of Lawrence, pro-slavery officers commanding twenty-seven hundred men refused to listen to the governor’s proclamation. Meantime, Jim Lane, in compliance with the proclamation, moved his forces away from Lawrence. The town seemed to be at the mercy of its enemies. Hinton reported that the small defensive force had no apparent leader until John Brown mounted a dry-goods box along Massachusetts Avenue. He assured the three hundred men, boys, and women to remain calm, to wait until they were within twenty-five yards, and to shoot low. Closing with a “Come out quick!” the defenders took their places on the outskirts of town. John Brown, revolver in hand, walked slowly along the line giving directions. Scattered small skirmishes played out before Governor Geary, as the representative of the President of the United States, intervened and forced the southerners to retreat. Ultimately the entire militia at Franklin was forced to disband. Lawrence was saved for the time being.

Hinton had witnessed a true hero for freedom that September 15th. He

became a devoted John Brown disciple. Brown exemplified the heroic devotion to the principles of liberty and Christianity that Hinton had sought in coming to America. Hinton had found “one who cast everything away but that which he could use for the benefit of humanity.”

As one of John Brown’s closest confidants Hinton was very aware of his plan to take the United States Arsenal at Harper’s Ferry. Indeed, he made a dangerous effort to reach Brown. Many who died with Brown were Hinton’s friends.

At the outbreak of the Civil War Hinton helped recruit the first regiment of black troops for the war, the 1st Kansas Colored Volunteers. By the close of the war, he had been breveted to the rank of Colonel.

He was appointed Commissioner of Emigration in Europe in 1867, later Inspector of U. S. Consulates in Europe. In 1873 President Grant employed him as Special Agent to Vienna. In 1883 he served as special agent on the frontier and in Mexico where he was recognized as an irrigation specialist for the Department of

Agriculture. In that time, he wrote many reports and books on various subjects, the most important of which was John Brown and His Men.

Hinton always fought for the rights of the downtrodden. He became associated with the labor movement. “Wherever words were to be said for liberty and prosperity for all, there up spoke Richard Hinton.” He and Isabell, his wife, counted among their friends Susan B. Anthony, Elizabeth Cady Stanton, Lucretia Mott, and Clara Barton.

Keeping with his interest in defending the rights of the less fortunate Hinton took an active part in the Progressive Labor Party and the Social Democracy Party. He died suddenly December 20, 1901, while in London gathering information for a second book on his hero entitled The John Brown Papers. To the end he remained true to his ideals. Richard Josiah Hinton “was always young for liberty” and always for the noble sons of Kansas on The Way West.

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

# Farmers & Ranchers

## AUCTIONS EVERY MONDAY & THURSDAY

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

**TOTAL FOR THE WEEK: CATTLE 3,824**

**BULLS: \$116.00-\$124.00  
COWS: \$85.00-\$96.00**

**THURSDAY, AUGUST 18, 2022**

### STEERS

<b>STEERS</b>		4 blk	Lindsborg	428@227.00
400-500	\$215.00 - \$227.00	8 mix	Manchester	438@215.00
500-600	\$205.00 - \$214.00	8 mix	Lindsborg	556@214.00
600-700	\$200.00 - \$211.00	11 blk	Peabody	618@211.00
700-800	\$193.00 - \$204.50	7 blk	Peabody	493@210.50
800-900	\$175.50 - \$186.25	38 mix	Hutchinson	643@206.00
900-1,000	\$170.00 - \$179.75	8 blk	McPherson	622@205.00

### HEIFERS

400-500	\$197.50 - \$209.00	27 blk	Hope	714@204.50
500-600	\$177.00 - \$189.00	4 blk	Brookville	591@204.50
600-700	\$179.00 - \$190.00	12 mix	Canton	538@204.00
700-800	\$170.00 - \$180.00	2 blk	Gypsum	623@204.00
800-900	\$152.00 - \$163.00	4 blk	Canton	614@202.00
900-1,000	\$148.00 - \$157.00	21 mix	Manchester	499@202.00

**MONDAY AUGUST 15, 2022**

### CALVES

1 red	Osborne	215@425.00	13 mix	Marion	710@197.00
2 blk	Barnard	233@410.00	7 mix	Manhattan	619@197.00
1 blk	Osborne	185@375.00	17 blk	Assaria	693@196.00
1 blk	Osborne	180@350.00	6 blk	Abilene	722@195.50
1 blk	Osborne	180@325.00	27 blk	Hope	776@195.00

### BULLS

1 blk	Durham	1925@124.00	3 mix	Durham	693@192.00
1 blk	Salina	2390@123.50	7 blk	Marion	779@190.00
1 red	Cedar Point	2550@123.00	9 bwf	Galva	726@190.00
1 blk	Little River	2215@122.00	28 blk	Assaria	774@190.00
1 blk	Salina	1850@122.00	71 mix	Randolph	799@188.25
1 blk	Beloit	2315@120.50	7 mix	Manhattan	709@187.00
1 red	Cedar Point	2175@119.00	60 blk	Hunter	850@186.25
1 blk	Culver	1950@118.50	19 blk	Inman	817@185.00
1 blk	Little River	1975@116.00	14 blk	Eskridge	760@185.00

### COWS

1 red	Durham	1540@96.00	60 mix	Hunter	840@183.50
1 blk	Salina	1815@94.50	67 mix	Randolph	864@183.50
1 blk	Waldo	1235@94.00	14 blk	Enterprise	877@183.00
1 blk	Lincoln	1705@94.00	8 mix	Lindsborg	848@182.00
2 blk	Abilene	1838@93.00	56 blk	Durham	890@182.00
1 blk	Durham	1595@93.00	63 mix	Abilene	868@181.00
1 blk	Abilene	1475@92.00	63 mix	Beloit	870@180.50
1 blk	Cedar Point	1765@92.00	65 mix	Uniontown	902@179.75
2 blk	Abilene	1320@91.00	60 mix	Enterprise	866@177.00
4 blk	Hutchinson	1500@91.00	54 blk	Durham	936@176.00
1 blk	Salina	1465@90.50	112 blk	Uniontown	1018@169.00
1 blk	Stockton	1405@90.50	60 mix	Beloit	987@164.10

### HEIFERS

1 blk	Abilene	1210@90.00	2 blk	Lindsborg	425@209.00
2 blk	Lincoln	1540@90.00	3 blk	Peabody	428@201.00
2 bwf	Lorraine	1465@90.00	7 blk	Salina	416@197.00
1 blk	Lincoln	1560@89.50	14 blk	Salina	489@190.00
2 blk	Lincoln	1365@89.50	83 blk	McPherson	631@190.00
9 blk	Russell	1585@89.50	10 mix	Holyrood	579@189.00
5 mix	Barnard	1616@89.00	20 mix	Peabody	561@189.00
1 blk	Minneapolis	1110@89.00	5 blk	Sterling	484@188.00

### IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- Heavy Duty Feed Bunks

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

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

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

**THURSDAY — CATTLE ONLY**

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

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

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

**CATTLE USA.com LIVE CATTLE AUCTIONS**

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



## FALL CLASSIC CATALOG HORSE SALE OCTOBER 7-9

**FARMERS & RANCHERS FUTURITY FRIDAY OCTOBER 7TH 10 A.M.**  
**ROPE HORSE PREVIEW FRIDAY OCTOBER 7TH 6 P.M.**  
**FALL CLASSIC HORSE SALE SATURDAY OCTOBER 8TH 10 A.M.**  
**25TH ANNUAL COLT & YEARLING SALE SUNDAY OCTOBER 9TH 10 A.M.**

12 mix	Abilene	544@188.00	13 blk	Assaria	745@179.50
13 blk	Peabody	517@188.00	3 blk	Holyrood	667@179.00
4 mix	Lindsborg	538@187.00	7 blk	Tescott	627@178.00
13 blk	Brookville	665@186.00	3 blk	Solomon	715@176.00
4 mix	Manhattan	566@186.00	3 blk	Canton	688@176.00
9 blk	Galva	574@184.50	10 blk	Eskridge	662@176.00
12 mix	Brookville	652@184.00	10 mix	Marion	717@175.00
3 char	Lindsborg	610@184.00	14 mix	McPherson	679@175.00
17 blk	Marion	664@183.00	8 blk	Galva	706@174.00
4 mix	Salina	593@181.00	62 blk	Assaria	768@173.00
3 blk	Gypsum	600@181.00	5 char	Bennington	810@163.00
4 blk	Sylvan Grove	609@180.00	10 blk	Beloit	958@157.00
70 blk	McPherson	714@180.00			
12 red	Lincolnville	643@179.50			

### EARLY CONSIGNMENTS FOR THURSDAY, AUGUST 25:

**65 Red Angus steers & heifers, 550-750, home raised, 30 days weaned, 2 round vaccinations; 50 black steers & heifers, 400-600, home raised, 2 round vaccinations, weaned May; 10 black steers & heifers, 650-750, home raised, 2 round vaccinations; 150 Red Angus steers & heifers, 450-625, home raised, 2 round vaccinations, Mushrush sired; 50 mostly black heifers, 800-900, off grass, spayed; 200 black/bwf steers & heifers, 600-800, spring vaccinations, home raised; 63 Red Angus steers, 800-850, home raised, long weaned, off grass; 365 mostly black steers, 850-925; 200 black/red & CharX steers & heifers, 450-600, spring vaccinations, no implants; 18 black steers & heifers, 700-800, May weaned, vaccinated, open; 70 steers & heifers, 550-750, long weaned, 2 round vaccinations, open, off grass; **PLUS MORE BY SALE TIME****

### SPECIAL COW SALE!

**MONDAY, SEPTEMBER 12 \* 6 PM:**

**Selling bred cows, bred heifers, cow pairs & heifer pairs.**

200 red/rwf cows, 2-6 years old, 90% bred to RA Brown Red Angus bulls, OCHV'd, home raised, vaccinated; 12 young fall bred cows; 20/20 cow pairs; **PLUS MORE BY SALE TIME**

For Information or estimates, contact:

**Mike Samples, Sale Mgr., Cell Phone 785-826-7884**  
**Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901**

Check our listings each week on our website at [www.fandrive.com](http://www.fandrive.com)

Jim Crowther  
785-254-7385  
Roxbury, KS

Lisa Long  
620-553-2351  
Ellsworth, KS

Cody Schafer  
620-381-1050  
Durham, KS

Kenny Briscoe  
785-658-7386  
Lincoln, KS

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

Austin Rathbun  
785-531-0042  
Ellsworth, KS

