



## Porter's ag business mindset drives success

*Editor's Note: This week is the third installment of our annual four-week Fall Harvest Series, sponsored by Conterra Ag Capital, K-State Veterinary Health Center, Callicrate Banders, Edward Jones, Thurlow Farms, Kopper Kutter, Gavel Roads Online Auction and Harris Crop Insurance.*

**By Lucas Shivers**

Driven by numbers and metrics, Evan Porter with Porter Family Ag in Fredonia is a fourth-generation farmer at the age of 29.

"I started helping my family with operating machinery at a very young age, so I quickly had to learn how to manage daily tasks and crews from the cab," Porter said. "That was a great learning experience for me to help maintain and adapt to growth."

His grandparents and parents, Earl and Janet Porter, set him up for hard-working success.

"My parents run a crop insurance business on the farm which keeps their full focus, so I was quickly in charge of running the farm side of things," Porter said.

Porter operates a grain farm consisting of wheat, corn and soybeans along with an Angus cow-calf and hay operation.

"We have a handful of really great guys who bring many skills to the table that work with us. It takes a hard-working crew to achieve our goals, and we are very blessed to have that by our side."

Running mostly Case IH equipment, the Porter operation surrounds themselves with great partners in seed, chemical, fertilizer and equipment.

"They are viewed as members of our crew," Porter said. "We rely on them for their expert knowledge to keep us on the forefront of technology and keep us rolling when we need to put in long



The Porter Family in Fredonia includes, from left: Zach and his son, Ryan; Earl; Janet; Evan; Kevan; Ty and his son. *Courtesy photo*

hours." When Porter graduated high school, the current operation wasn't big enough to support both his parents and himself but with lots of office hours and hard work they have been blessed with opportunities to grow their operation and hopefully build something to pass along to the next generation.

"The farm took my full focus right after high school and has ever since," Porter said. "I was fortunate enough to be a part of continuing and building our family's name, along with helping make important growth decisions, and bringing opportunities to the table."

For the cattle, the family saves a large group from their elite genetics for replacement heifers each year to keep the high-quality bloodline and ensure

the herd stays young to rotate them around.

"They're on summer grass at the moment and will be brought back closer to home for winter," Porter said. "100% of the feed we grow and bale gets fed back to cattle in our operation."

### Fall Harvest

Due to the very limited moisture in the area, Porter predicts limited yields this season.

"We have not had much rain since the beginning of June with no relief in sight," Porter said. "The corn yields are being very disappointing, which was what we expected going into harvest. As of now, we won't have much of a bean crop to harvest due to lack of rains. I suppose we were due. It happens to operations every now and then."

Porter gets on a few va-

cations when they're not quite as busy on the farm, to the mountains of Colorado or other destinations.

"I have a good group of close friends who also farm," Porter said. "We try every chance we can to get together for steak nights to catch up with each other, it's great to be surrounded by friends you can learn from and push each other to become better."

### Learning More

Last year, Porter took part in the Kansas Corn Corps Class 4, sponsored by Farm Credit Associations of Kansas and KCoe Isom.

"I met a few good people, some of whom I am still in contact with daily. Ones that also enjoyed running numbers as much as I do and having clear goals for the future," Porter said.

"I made some friends

from a whole different part of the state. We had so many similar views with a business mindset to find what works for our operation, even when the way we operate is completely different based on the soil needs and different conditions of the state."

For one meeting, the class met a handful of farmers in Kentucky who were on the next level for their area.

"It was a different world with a lot of diversification and finding new niches for their operation," Porter said. "It boiled down to being operated by good smart business minded people to know where they are at and where they are going."

### Future Planning

Coming off a failed fall crop with a second year of high input prices, watching our expenses and debt

load is going to be a must for the next few years to come.

"Solid financial decisions, which may result in passing on some opportunities at the time to keep the operation on solid footing. Another big thing I plan to focus on is improving marketing for our grain and livestock, as well as purchasing inputs to have supply on hand when it is needed and hopefully take advantage of some discount prices."

Porter hopes to continue to expand this team with even more solid talent.

"Creating a work environment where people enjoy being a part of working with us will hopefully attract other skilled individuals to join us. It will also be a big key factor for the foreseeable future."

## Governor unveils Walk of Honor plaque dedicated to former Senator Pat Roberts

Last week Governor Laura Kelly unveiled the Walk of Honor plaque dedicated to former Senator Pat Roberts. The Walk of Honor is located within the sidewalks surrounding the Kansas State Capitol Visitors Center grounds. It features people who are major figures on a state and national level and have a significant connection to Kansas.

"I've known Pat for more than 30 years, and he's become a close friend," Kelly said. "During his time in public service, Pat worked in a bipartisan manner, and as a result, delivered enormous victories for veterans, for our Ag industry, and for Kansans in every corner of the state. He has proved time and again that he is more than deserving of this great honor."

Roberts is a fourth-generation Kansan who rose to the rank of captain in the United States Marine Corps. Following his time in the service, he worked as a staffer for U.S. Senator Frank Carlson of Kansas and U.S. Congressman Keith Sebelius.

Roberts was first elected to the U.S. House of Representatives in 1980,

representing Kansas' first congressional district, and then was re-elected seven times. He was elected to the U.S. Senate in 1996, serving for four terms. He retired in 2021 as the only person to have chaired both the House and Senate Agriculture Committees.

"The Kansas Walk of Honor highlights people who have made significant contributions to state and national history," Patrick Zollner, interim executive director of the Kansas Historical Society, said. "We are pleased to add Senator Pat Roberts to this list. Our state is fortunate to have a rich history of innovation, leadership, arts, and science."

Attendees included Roberts' family, friends, former staff members, and several current and former state legislators.

"Senator Pat Roberts' many contributions in Congress are a testimony to the hard-working Kansans he represented," Senator Roger Marshall said. "During his four decades in service, he represented Kansas' values and rights while championing the priorities of our farmers, ranchers, and produc-



Former Senator Pat Roberts looks on as Gov. Kelly unveils his Walk of Honor Plaque at the grounds of the Kansas State Capitol Visitor Center. *Courtesy photo*

ers. His leadership helped create a thriving Kansas ag economy that benefits not only the citizens of our state, that not only helps feed our entire nation, but a hungry world. When future generations of Kansans pass by the Pat Roberts plaque on the grounds of the Kansas Statehouse, they will hear stories about a legendary, dedicated legislator who tirelessly rep-

resented their state with fondness, heart, and dignity."

"No one is more deserving of a plaque on the Kansas Walk of Honor than Senator Pat Roberts. Senator Roberts dedicated his entire life to public service and spent four decades fighting tirelessly in the House and Senate for Kansas farmers, families, and businesses," Repre-

sentative Jake Laturner, (KS-02), said. "Pat always put our Kansas values first in Washington, and I'm grateful to have been able to call him my Senator for so many years."

"Former Senator Pat Roberts was one of the first people to call me when I took office, and he has always been a great source of knowledge and advice for the entire Kansas delega-

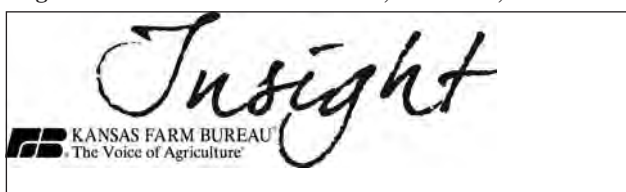
tion," Representative Sharice Davids, (KS-03), said. "He is a dedicated public servant and has certainly earned his place on the Statehouse Walk of Honor."

"Pat Roberts' service to our country didn't begin in the halls of the Capitol, but when he was a young Kansan who answered the call to serve in the United States Marine Corps. His Sunflower State roots gave him the fortitude to take the hill as a Marine and in Congress, no matter the challenge," Representative Ron Estes, (KS-04), said. "Besides a legacy of excellent representation for farmers and ranchers on the House and then Senate Ag committees, including chairmanship of both, Senator Roberts is probably most recognized for his impeccable wit and amusing stories. He is highly deserving of this honor, and it's a fitting tribute to place his plaque close to his friend, mentor and fellow veteran, Bob Dole."

"Generations of Kansas farmers and ranchers are tremendously proud of Senator Pat Roberts and can think of no better honor than a plaque commemorating his service to our state at the Kansas Statehouse," said Kansas Farm Bureau president Richard Felts. "We are grateful for his service to agriculture, our great state and his strong leadership, tenure and tenacity."

The Kansas Historical Society oversees the Walk of Honor.





## History of Hedge

By Greg Doering,  
Kansas Farm Bureau

Osage orange trees are still common throughout much of the United States, though not many people appreciate just how much the thorny, dense trees have shaped our country. Before Christopher Columbus' arrival, Osage orange had a limited range in the Red River basin in Arkansas, Oklahoma and Texas. Like the droves of Europeans who followed, the tree eventu-

ally spread to all corners of our country, so long as you don't count Alaska and Hawaii.

The thorny, dense trees go by a number of names, including hedge trees, prairie hedge, hedge apple, horse apple, bow-wood or yellow wood for the hue of the heartwood. Whatever moniker you choose, the trees were the original barbed wire. After sprouting, the hedge trees were aggressively pruned to promote thick

growth that was woven into a living fence considered to be "horse-high, bull-strong and hog-tight."

Even after the widespread adoption of barbed wire, wood from the hedge tree is still highly prized for fence posts based on its ability to withstand the elements. Termites and other insects don't bother the wood. Water doesn't penetrate the dense grain either.

Today, a post made from Osage orange is likely to outlast the strands of barbed wire attached to it. In fact, the posts can be difficult if not impossible to work with if they're left to season too long after cutting. Hedge posts don't decay, rather they almost petrify into something between wood and stone.

Osage orange's qualities extend well beyond corralling cattle and other livestock. Its tight grain makes the wood extraordinarily flexible, enough so that a bow made from the tree was worth a horse and blanket in the 1800s. Osage orange also offers the highest heat value of any species when burned as firewood.

Osage orange is probably the most popular and widely distributed plant that isn't a food source for either humans or animals. Its fruit is a soft-ball-sized green ball with folded contours that surround a cluster of seeds. We called them brain blobs growing up because the outer shell consisted of folded contours. They were dense and would

make a satisfying sound when flung into a tree trunk. They'll start falling off trees any day this time of year.

Rumor has it the fruits keep all sorts of creepy-crawlies away, from boxelder bugs and crickets to spiders and other pests, especially when placed in basements or near the foundation of a home. Research has yet to find any evidence to support those claims, yet the legends endure.

Steel T-posts and pipe braces are gaining favor, but some still prefer to use hedge posts for fencing. Composite compound bows can launch an arrow with a much greater force than the traditional long-bow, yet Osage orange bow staves are still read-

ily available. The living fencerows are long gone, but hedge trees planted during the Great Depression as windbreaks still mark the edges of fields.

There's no one quality that has seeded the Osage orange across the countryside, rather versatility is its main attribute. From hedge to post or bow to kindling, mankind has found it useful for centuries. While modern materials will eventually win out, they won't ever have a history quite like hedge.

"Insight" is a weekly column published by the 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.

# USDA announces \$500 million available to increase innovative American-made fertilizer production

U.S. Department of Agriculture (USDA) Secretary Tom Vilsack has announced that the Biden-Harris administration is making \$500 million in grants available to increase American-made fertilizer production to spur competition and combat price hikes on U.S. farmers caused by the war in Ukraine.

"USDA believes in the growth of innovative, local businesses owned and shared by people who can best serve their own unique community's needs, fill gaps, and build opportunities. Recent supply chain disruptions

have shown just how critical it is to invest in the agricultural supply chain here at home. The Fertilizer Production Expansion Program is one example of initiatives to bring production and jobs back to the United States, promote competition and support American goods and services."

The Fertilizer Production Expansion Program is part of a whole-of-government effort to promote competition in agricultural markets. The funds are being made available through the Commodity Credit Corporation.

Grants will be used to

support independent, innovative and sustainable American fertilizer production to supply American farmers. Funds also will expand the manufacturing and processing of fertilizer and nutrient alternatives in the U.S. and its territories.

The program will support fertilizer production that is:

- Independent, and outside the orbit of dominant fertilizer suppliers. Because the program's goal is to increase competition, market share restrictions apply.
- Made in America. Products must be

produced by companies operating in the U.S. or its territories, to create good-paying jobs at home, and reduce the reliance on potentially unstable, inconsistent foreign supplies.

- Innovative. Techniques will improve fertilizer production methods and efficient-use technologies to jumpstart the next generation of fertilizers and nutrient alternatives.
- Sustainable. Ideally, products will reduce the greenhouse gas impact of transportation, production and use through renewable energy sources, feedstocks and formulations, incentivizing greater precision in fertilizer use.
- Farmer-focused. Like other Commodity Credit Corporation invest-

ments, a driving factor is providing support and opportunities for U.S. agricultural commodity producers.

Eligible entities are for-profit businesses and corporations, nonprofit entities, Tribes and Tribal organizations, producer-owned cooperatives and corporations, certified benefit corporations, and state or local governments. Private entities must be independently owned and operated to apply.

The maximum award is \$100 million. The minimum award is \$1 million. The grant term is five years.

The Department will begin accepting applications in the coming days via [www.grants.gov](http://www.grants.gov). Notably, there will be two opportunities for submis-

sion.

The Department plans for a 45-day application window for applicants to receive priority for projects that increase the availability of fertilizer (nitrogen, phosphate or potash) and nutrient alternatives for agricultural producers to use in crop years 2023 or 2024.

The Department will also offer an extended application window, providing an additional 45 days (90-day application window) to receive applications for financial assistance to significantly increase American-made fertilizer production to spur competition and combat price hikes. This extended application window will support applicants who need more time to make additional capacity available.

Potential applicants and stakeholders may email questions to [fppep@usda.gov](mailto:fppep@usda.gov). For more information, visit [www.rd.usda.gov/fppep](http://www.rd.usda.gov/fppep) or [www.farmers.gov/global-food-insecurity](http://www.farmers.gov/global-food-insecurity).

## Kansas cattle on feed down 4 percent

Kansas feedlots, with capacities of 1,000 or more head, contained 2.38 million cattle on feed on September 1, according to the USDA's National Agricultural Statistics Service. This inventory was down 4% from last year.

Placements during August totaled 535,000 head, up 1% from 2021.

Fed cattle marketings for the month of August totaled 485,000 head, up 5% from last year.

Other disappearance during August totaled 10,000 head, unchanged from last year.



I don't know about you, but to me it seems like we deal with one crisis after another. We went from Covid to inflation to the Ukraine, I am almost numb from all of the bad news, and I can't help but think there is more to come. I know, that wasn't very happy or optimistic. Well, sometimes you just have to be realistic. I also can see another crisis coming, it is a crisis that other parts of the world have felt and even parts of our own country are starting to come to grips with. I am not sure where I first heard it, but I was once told that if we think wars over fossil fuels were intense, wait until we start fighting over water.

Water is something we all take for granted until it's not there any more, then it is a crisis. Before I go any further into this, let me assure you that I don't have any answers because this is an incredibly complex issue and one that we probably should have been worrying about a lot sooner. This isn't just a regional issue either, although many think of it in those terms. Recently we have watched California, Arizona, and Nevada deal with a shortage of water. Drought has either sped up the increasing shortage or it had brought it on, depending on your point of view. Again, I do not want to get into climate change, that is maybe part of the puzzle. Remember I said this problem was incredibly complicated.

We humans are funny critters and we have lost our instincts for basic survival. What do I mean? When our ancestors settled certain places what were their basic criteria? It was food, shelter, and water. That is why we did not settle places with no water. Or at very least not very many of us settled in places with no water. If the amount of water would not sustain human life, we chose some other place that had an adequate supply of fresh water. Places like Phoenix, Las Vegas and Los Angeles probably weren't all that appealing to early settlers who liked to be hydrated and alive.

Then came along modern technology. Suddenly, we could pump, pipe, and move water hundreds of miles and places that seemed like barren deserts looked like a good place to develop thriving metropolises. We fell in love with the consistent weather, and more importantly the lack of winter. I don't blame anyone who moved to these places or is currently living in one of them, it seemed like a good idea and maybe it still is. All I am saying is just because we

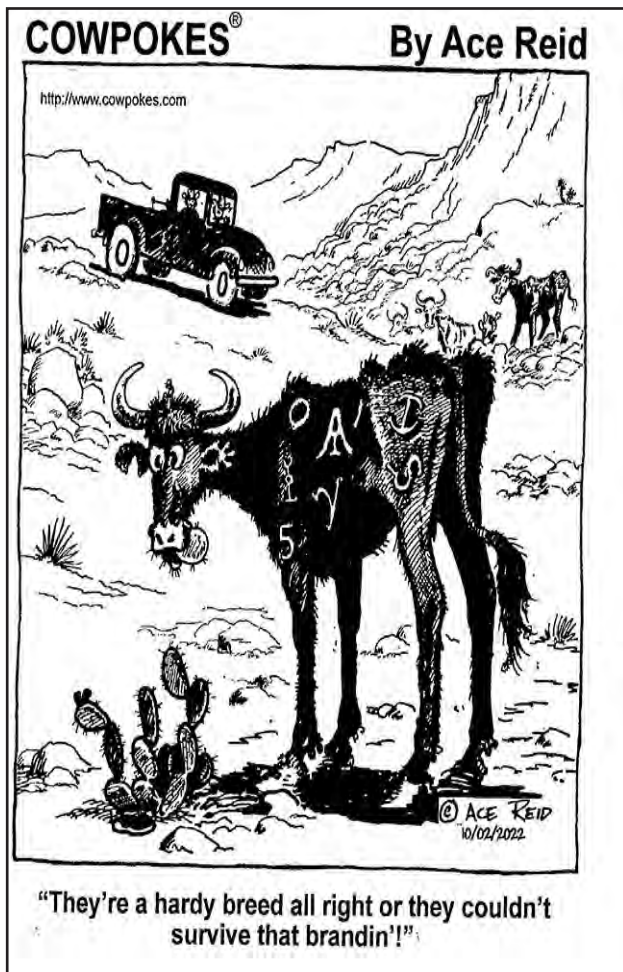
can do something doesn't always mean we should.

Even here in my own backyard I watch as people move out of towns, build subdivisions, and immediately start watering that nice green yard. One such development close to my house is built on what was really poor farm ground. At first it made sense to take less productive land out of production, maybe it was protecting our better ag land and meeting the need for housing. Then I drove through the houses, and I saw sprinklers going everywhere. It struck me that we had taken dryland farm ground and turned it into irrigated pasture. Suddenly our rural water district was stressed and struggling to meet the demand. Again, I don't have answers, I am just asking questions and making observations.

If you are an ag producer and you start pointing fingers at homeowners about their water use, be careful. I would like to think that food and fiber production should outweigh things like recreation and landscaping, but we also must look at what we are doing with a critical eye. Are we making the best, most efficient use of a precious limited resource? Again, I don't have any real answers, and no one would care if I did. We need to ask these questions and take a good hard look at every situation. My fellow farmers and ranchers, keep in mind that we make up only somewhere around 2% of the population and that is a far cry from a majority. In the end the will of the people will prevail.

I also fear that soon entities from outside of our regions will be coming for our water as they struggle to have enough for growing populations. How are we going to handle this? What can we do? All questions that I don't even begin to have the answer to, but questions we need to start discussing. I also don't mean to be gloom and doom, I just want us to try to start to come to start some conversations before we hit the dire crisis level.

In the end we all have to share this big ball everybody calls home, and we need to come up with a solution that benefits all. If someone could make me king of the world, I could solve it all in a minute, but I am fairly certain that is not going to happen. In the meantime, we all need to ask those hard questions and work toward the equally hard answers for our thirsty world.



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# USDA National Agricultural Statistics Service and National Association of State Departments of Agriculture celebrate 50-year partnership

The USDA's National Agricultural Statistics Service (NASS) and the National Association of State Departments of Agriculture (NASDA) are celebrating 50 years of working together to provide timely, accurate and useful statistics in service to U.S. agriculture.

This golden anniversary of partnership is being recognized at the 2022 NASDA Annual Meeting in Saratoga Springs, New York. "Out of all the great things about this partnership, the most important to recognize is that our hardworking NASDA enumerators remain steadfast and passionate about building relationships with producers to ensure that they are represented in statistics about American agriculture," said NASS Administrator Hu-

bert Hamer. "The stronger the response, the stronger the data, and the better-informed decisions can be about farm policy and programs, research, technology and rural development, education, and other services crucial to the success of our producers. NASDA enumerators do an incredible service for NASS, the producers, our nation, and the world."

NASS works closely with state departments of agriculture to support their agricultural statistics needs and reduce duplication with federal programs. NASDA provides vital, grassroots support for the NASS mission by employing thousands of part-time enumerators who assist farmers and ranchers with ag census and survey responses through telephone and

in-person interviews. This partnership allows NASDA staff to focus on data collection, which is essential for accurate data reports, while NASS staff concentrate on survey integrity and data analysis.

Over the past 160 years, NASS has conducted thousands of surveys and prepared reports to capture an accurate picture of U.S. agriculture. Since the establishment of the nation-wide cooperative agreement between NASS and NASDA in 1972, NASDA's connection with farmers and ranchers has meant better survey response rates.

"Today, we are celebrating NASDA and USDA-NASS's work of telling the story of America's farmers and ranchers for half a century. Through the Census of Agriculture

and the many surveys USDA-NASS and NASDA conduct and collect, we can understand the collective impact of thousands of farmers across the nation," said NASDA CEO Ted McKinney. "Equally important, with high-quality, impartial data, we have grown our ability to produce safe and nutritious food for everyone. NASDA looks forward to years ahead of working with USDA-NASS to ensure agriculture leads the way toward a healthy and resilient world."

The largest data collection for USDA and partnership effort with NASDA, the 2022 Census of Agriculture, begins this November. For more information about these organizations, visit nasda.org and nass.usda.gov.

## Appeals Court ruling reinstates 2019 ESA rule

The 9th Circuit Court of Appeals recently overturned the Northern District of California's nationwide vacatur of the Trump administration's Endangered Species Act (ESA) rules. The appeals court held that "the District Court clearly erred in vacating the 2019 rule without ruling on the legal validity."

NCBA had intervened to defend the Trump-era ESA rule, which repealed the blanket 4(d) rule and prohibited the U.S. Fish and Wildlife Service (FWS) from automatically extending the protections against take that apply to endangered species to cover threatened species as well. Another Trump-era rule directed FWS to consider the possible economic impact a listing might have on rural communities before making a decision. Additionally,

Section 7 of ESA requires federal agencies to consult with FWS or the National Marine Fisheries Service before engaging in any action that potentially could affect a listed species. To improve the efficiency of that process, the Trump administration had codified alternative consultation mechanisms and established a deadline for informal consultations, providing greater certainty to regulators,

landowners and communities.

When the District Court vacated the rules earlier this year, these revisions were invalidated and no longer in force. However, this reversal by the Court of Appeals now fully reinstates the 2019 rules pending the outcome of further litigation or until a decision is made by the Biden administration as to whether it will change the rules through a full

rulemaking and revision process.

NCBA will remain engaged and advocate for a regulatory approach that is science-based, rooted in current conditions and cognizant of the economic impact these decisions have on rural communities.

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# GRASS & GRAIN Our Daily Bread

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

**Cassidy Eck, Rossville, Wins This Week's Grass & Grain Recipe Contest & Prize**

Winner Cassidy Eck, Rossville:  
**STEAK FAJITAS**

- 1/3 cup lime juice
- 2 tablespoons olive oil
- 2 cloves minced garlic
- 3/4 teaspoon red pepper flakes
- 1/4 teaspoon cumin
- 1 teaspoon tatin seasoning
- 1 teaspoon honey
- Salt to taste
- Minute steaks, in strips
- Sliced onion
- Sliced peppers
- Tortillas or tostadas
- Shredded cheese
- Avocados

Mix together lime juice, olive oil, garlic, red pepper flakes, cumin, tatin, honey and salt. Pour over strips of minute steak and refrigerate overnight or at least 4 hours. Sauté sliced onions and peppers. Remove from skillet. Add steak and cook. Once steak is cooked, add onions and peppers. Serve on tortillas or tostadas with shredded cheese, avocados, etc. Enjoy!

Millie Conger, Tecumseh:  
**PIZZA BURGERS**

- 1 pound ground beef
- 15-ounce can pizza sauce
- 1 teaspoon dried oregano
- 1/2 medium onion
- 1/2 medium green pepper
- 1-ounce sliced pepperoni
- 6 large hamburger buns, split
- 1/2 cup shredded Mozzarella cheese

In a skillet brown beef. Drain; stir in pizza sauce and oregano. Chop onion, green pepper and pepperoni; add to beef mixture. Simmer 20-25 minutes.

Spoon onto buns. Top with cheese. Serve immediately.

Kimberly Edwards, Stillwater, Oklahoma:  
**GERMAN POTATOES**

- 8 slices bacon, diced
- 1 small green pepper, diced
- 3 tablespoons chopped onion
- 3 large potatoes, peeled, boiled & diced
- Salt & pepper to taste
- 1/2 cup shredded Cheddar cheese
- 6 eggs

In a skillet fry bacon. Drain all but 3 table-

spoons drippings. Add green pepper, onion and potatoes. Season with salt and pepper. Cook and stir until golden brown, about 5 minutes. Sprinkle with cheese and stir. Break eggs over potato mixture one at a time. Cook over low heat until eggs are set and cooked to desired doneness. Serve immediately.

Kellee George, Lenexa:  
**HAWAIIAN CROCK-POT CHICKEN**

- 2 pounds chicken tenders, cut in chunks
- 1 cup pineapple juice
- 1/3 cup soy sauce
- 1/2 cup brown sugar

Place chicken in crock-pot. Mix remaining ingredients together and pour over chicken. Cook on low 6-8 hours. Serve with rice.

Jackie Doud, Topeka:  
**CHICKEN & STUFFING**

- 2 small packages Stove Top stuffing
- 2 cans cream of chicken soup
- 1 cup sour cream

## Healthy School Lunches And Snacks

By Holly Miner, Nutrition, Food Safety and Health Agent, Wildcat Extension District

Here are a few simple steps that will help make snacks and school lunches healthy and safe.

Follow these simple steps to make school lunches and snacks fun and nutritious:

- \* Select storage items that are easy to clean, durable, and insulated for hot and cold foods.

- \* Healthy lunches should include foods from all five food groups. Lean protein, low-fat dairy, fruits, vegetables, and whole grains.

- \* When choosing foods for school lunches look to items that are easy and have limited sugar, sodium, and fat.

- \* Save money by purchasing in bulk and dividing into smaller amounts.

3 whole chicken breasts, cooked & cubed

Prepare stuffing according to package directions. In greased 9-by-13-inch baking dish combine soup, sour cream and chicken. Top with stuffing. Bake at 350 degrees for 25 minutes.

Rose Edwards, Stillwater, Oklahoma:  
**BREAKFAST SOUFFLÉ**

- 4 slices white bread, crust removed & torn into pieces
- 3 slices ham, bacon or sausage
- 2 slices sharp process cheese
- 9 eggs
- 3/4 cup milk
- Pinch salt & pepper
- Pinch cinnamon

Grease a 6 1/2-inch soufflé dish and cover bottom with bread pieces. Layer meat and cheese. Mix eggs and milk; pour over all. Season with salt, pepper and cinnamon. Cover and refrigerate overnight. Bake at 350 degrees for 10-12 minutes. Serve hot.

- \* Save money by making your own individual servings such as cubing chicken or dividing meat into individual serving sizes.

- \* Purchase in-season produce and prepare by slicing fruits and cutting up vegetables using a crinkle cutter or cookie cutters.

- \* Pack a rainbow of colors to provide a variety of nutrients to help your child's body function at peak performance.

- \* Substitute chips and cookies with fresh vegetables, nuts, or dried fruits.

- \* Include children when packing lunches so they can be excited about what is in their lunch.

- \* Expand variety by trying a new food each week.

- \* Remember food safety when preparing lunches and snacks by washing hands, keeping cold foods cold with frozen water or juice containers or an ice pack, and keeping hot foods hot using an insulated container or thermos.

For more school lunch food safety tips, the Partnership for Food Safety Education offers a flyer at [www.fightbac.org/kidsfoodsafety/school-lunches/](http://www.fightbac.org/kidsfoodsafety/school-lunches/)

For more information about this or any other topic related to nutrition, food safety or health contact Holly Miner at [haminer@ksu.edu](mailto:haminer@ksu.edu) or call 620-331-2690 or 308-224-4628.



## Baking With Sugarbuns

By Michele Carlyon  
**The Family That Rallies**

A few weeks ago, on the fifteenth, to be exact, I received a text from my aunt that simply said, "Call your mom." My aunt was in town from Florida to meet with the wedding planner with me and to be there for the thirty-day review with the venue. My mom, my aunt and I had been going back and forth that morning about meeting somewhere for lunch that day, but when I got that text, my heart sank, and I knew something was wrong.

I called my mom, she was crying, but she managed to tell me that her oldest brother, my Uncle Bud, had been in a horrific accident and he was being taken to Stormont Vail via ambulance. She and my aunt were en route. It was a payroll day for me at work, but I told my boss what was happening, or what I knew at least; I hurried and finished payroll and then I hit the road.

As I drove to the hospital, I was being given more information. I was told that my Uncle Bud had been in St. Mary's working to collect rubble and debris from a house. He was driving a two-and-a-half-ton truck, fully loaded down. No one was certain what happened, but what we knew was that his upper right quadrant had been run over. I was terrified and uncertain as to what was going to happen, but I was eager to get to the hospital.

Once there, I was met by my mom, my aunt, my cousin, and many other family members. Emotions were high, but I was assured he was stable. My aunt and I were headed to the front to show my cousin's kids where to go, when we saw the nursing staff roll my Uncle Bud into the surgery area. He was fully sedated at this point, but from what we could see, he looked okay.

When we got back to the group, I was filled in a bit more on everything that was going on. His lung had fully collapsed, his ribs on his right side were shattered, not just broken, but shattered, his right arm was also shattered, and he had been given ten units of blood. They were also concerned about a fractured spine and neck, but that was not going to be the focus for that day. He was rushed back to surgery and was in there for

over six hours, after which he was taken to ICU.

After surgery they had put him into a medically induced coma to give his body a chance to do a bit of healing. As soon as we were told that they were waking him up, I went to the hospital, yet again surrounded by family. I went back with my aunt, his sister, to see him for the first time with him awake. In the midst of all the trauma he had just endured, he looked at me, grabbed for my hand, and said, "I will be at your wedding, this will not keep me from it." I fought tears, wondering how I could be so loved and so blessed and knowing that my beloved Nanny was looking down on him, helping to keep him fighting and doing everything in her power to ensure that he will be there.

We are now a few weeks into recovery and there is still so much more healing to come and more surgeries to be had, but through it all, my Uncle Bud has been surrounded by family and friends. We are the type of people that show up whether you want us to or not and when someone needs one of us, they tend to get all of us. We rally for those that we love, and we surround them with all the love in our hearts to encourage them to keep fighting for that next step.

My Uncle Bud continues to tell me how proud of me he is and that he is coming to my wedding, but what I do not think he realizes is that he is the one we are all proud of. At 75 years old, he has come out of all of this with a fighting spirit and a desire to overcome any obstacle that might be in his path. He is one of the strongest men I know and regardless of how long this whole healing process takes, he will be surrounded by a family that rallies, his family, all of us, no matter what.

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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- Collect, process, and verify financial and production information from cooperating farms to create an annual accrual whole-farm business and enterprise analysis
- Provide guidance in estate planning, farm succession planning, and business entity structure
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# Prairie Gal Cookin'

Recipes and Ramblings from the Farm

## Tips Handy To Know For Harvest

**By Ashleigh Krispense**

We're headed towards a wonderful time of year. Christmas music has already graced my house more than once recently and I'm savoring the evenings as the sun-drenched sunflowers line in the ditches. I've concluded that late summer/early fall really is one of my most favorite seasons. While we aren't to the point of the leaves falling and trees being bare, the nights are cooler and the sun seems to be a little less harsh.

Over the course of the year, I count down the harvests that we have left to go. Wheat, corn, and then soybeans. While the combine hasn't rolled into the field just yet, things are beginning to progress that direction as we stopped an evening four-wheeler ride the other night to go walk out in a field of soybeans.

In preparation for this article, I pulled out one of the cookbooks I've turned to numerous times for inspiration — Joanie Nikkel's Meals to the Fields and More!! While you can't order a copy of this one anymore, I wanted to share a few more suggestions from it that you might find helpful if you're looking to mix things up for your next harvest season. This time, we're taking a peek into the Handy to Know for Harvest section. Enjoy!

One meal that works good to take out to the harvest field is Walking Tacos. Just buy little individual Nacho bags, cut the tops of the bags off, and crunch the chips up a little. Spoon in the taco meat, cheese, lettuce, and your favorite dressing. You can branch off and do chalupa meat or different kinds of meat over chips. That works so good; they can just eat it right out of the bag. So handy! As far as drinks for the field, we just stick water bottles in the freezer about two hours before supper so they're kinda slushy. We use square foam compartment boxes with lids. One thing I love for cold stuff is Sam's bags. Those are so insulated! - Reb Koehn, Plains View, KS.

The way we did harvest this year was 4-5 of us ladies take the meal out together every night. I've found that a Magalite roaster works very well to keep food hot in if you're taking a meal out for a crowd. It seems to work well to set the food

is 8" x 12" x 2" and you can find them at Lowe's... You MUST wrap it in a towel or it will ruin your ice chest! - Jennie Koehn, Inman, KS.

I have a small recipe binder that serves a double purpose. I keep track of my canning and freezing recipes and records in the front, and in the back I have a harvest meal section. As a newly-married farmer's wife, not ever having farmed before, I was still learning what all we took to the field for meals! So I listed all the things, such as salt and pepper, silverware, napkins, etc. It's in my head by now but that helped a lot!! I also have 3 lists: a list of harvest meal meats, side dishes, and desserts that have "gone over"!! And after the lists, I collected the recipes. I copied them down from the original books so it's quick and easy when I'm cooking the meal! - Sierra Hrapstead - Swan River, MB.

Need an easy way to keep homemade ice cream cold till you get to the field? Take the dasher out, slap on the lid, and place your ice cream container in a 5-gallon Gott (or similar brand) drink cooler. Pack ice and salt around it. Put the lid on the water jug and off you go. When ready to serve, just open the lid and stick a serving spoon in. This method keeps the ice cream frozen the whole evening! - The Ontario, Oregon Ladies

Save your laundry detergent dispensers when they are empty. Fill with water and use as a hand washing station. - Anonymous.

I don't know about you, but I was inspired just reading through some of these ideas. Now I'm pondering making homemade ice cream and a few meal lists ... Praying you all have safe and bountiful harvests!

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

## Scientist Urges Consumers To Buy – Or Update – Their Food Thermometer

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

**MANHATTAN** – Where food safety is concerned, a food thermometer is kind of like the Swiss army knife. It's a must-have, multi-use tool in the kitchen.

"It is one of the most important tools consumers can use to know when food is cooked properly for safe consumption," said Kansas State University food scientist Karen Blakeslee. "It's useful for meat items, casseroles and even baked goods. Using a subjective method – such as ground meat color – can be misleading and lead to foodborne illness."

"Also, it can help with (assuring) the quality of a food item and reduce over-cooking."

Blakeslee is urging consumers to buy a food thermometer – or calibrate their current thermometer – during Food Safety Education Month in September. The month is recognized in the United States to promote safe food handling and educate consumers about ways to prevent foodborne illness.

For consumers who need to buy a food thermometer, Blakeslee recommends the digital type.

"Digital food thermometers read the temperature at the tip of the temperature probe," Blakeslee said. "They also read temperature quickly, and come in a simple handheld design or with other features, such as the ability to insert the probe into the food and leave it in during cooking. You can set the thermometer to indicate when the final

temperature has been reached."

Some digital thermometers can even connect to a mobile device. More information the types of food thermometers available is available online from the U.S. Food Safety and Inspection Service.

Consumers who already own a food thermometer can calibrate them routinely to make sure they are still giving accurate readings.

"The best method is to calibrate your thermometer using ice water and boiling water to check cold and hot readings," Blakeslee said. "Dial faced thermometers can be adjusted if needed. Digital thermometers should be replaced unless it came with instructions on how to adjust."

A guide on adjusting food thermometers is available online through the K-State Research and Extension bookstore.

"Along with food thermometers, place an appliance thermometer inside your refrigerator and freezer to monitor temperatures in those appliances," Blakeslee said. "These can be helpful during a power outage to determine the safety of your food. Another suggestion is an oven thermometer to know if your oven is

heating properly."

More information on appliance thermometers also is available online from the FSIS.

Blakeslee, who also is coordinator of K-State's Rapid Response Center for food science, publishes a monthly newsletter called You Asked It! that provides numerous tips on being safe and healthy. More information is also available from local extension offices in Kansas.

Links used in this story: Kitchen Thermometers (U.S. Food Safety and Inspection Service), www.fsis.usda.gov/food-safety/safe-food-handling-and-preparation/food-safety-basics/kitchen-thermometers

Thermometer Calibration Guide, https://bookstore.ksre.ksu.edu/pubs/mf2440.pdf

Appliance Thermometers (U.S. Food Safety and Inspection Service), https://www.fsis.usda.gov/food-safety/safe-food-handling-and-preparation/food-safety-basics/appliance-thermometers

Rapid Response Center for food science, https://www.rrc.k-state.edu

You Asked It! monthly newsletter, https://www.rrc.k-state.edu/newsletter

K-State Research and Extension statewide offices, https://www.ksre.k-state.edu/about/statewide-locations.html

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## K-State sorghum researchers land \$2M grant to modernize nitrogen guidelines

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

Kansas State University researchers say a \$2 million grant that they received recently will help to modernize recommendations for applying nitrogen to sorghum in a three-state region, ultimately boosting the value of grain sorghum in the United States.

K-State Research and Extension environmental quality specialist Peter Tomlinson said the grant is part of a five-year, \$65 million award to the National Sorghum Producers through the U.S. Department of Agriculture's Partnerships for Climate Smart Commodities project.

The grant was announced in mid-September.

"This is a watershed day for the sorghum indus-



Projects funded through the Feed the Future Innovation Lab for Collaborative Research on Sorghum and Millet, funded through USAID and established at Kansas State University, are aimed to help improve the adaptation and resilience of these crops in East and West Africa.

try," said Tim Lust, CEO of the National Sorghum Producers, calling sorghum a "resource-conserving crop. We appreciate the USDA for the opportunity to realize sorghum's po-

tential as a climate-smart commodity."

According to Lust, the overall project creates a pathway to quantify, track and verify the impact of all practices related to sor-

ghum production with the intent to "monetize these practices in eco-systems services markets of all kinds." The initial focus, Lust said, is low carbon fuel markets.

Tomlinson noted that K-State's work will be part of a three-state effort with colleagues at Oklahoma State University and Texas A&M University.

"One of the things we had hoped to do in the last couple years is to modernize our soil fertility recommendations for grain sorghum," Tomlinson said. "This project will provide funding to do that, particularly around our recommendations for applying nitrogen."

In Kansas, field trials will be conducted in Manhattan (led by Dorivar Ruiz Diaz, a professor of soil fertility and nutrient management); Hays (led by northwest area agronomist Lucas Haag). Tomlinson is the project leader.

Similar trials will be set up in Oklahoma and Texas, Tomlinson said. Most of the work is in dry-land settings, though some trials with limited irrigation will be tested in Texas.

"We believe that through all of these combined efforts over the next four years, we will be able to modernize and advance the N recommendations for grain sorghum across the region," Tomlinson said.

He added that modernizing the recommendations

for nitrogen in sorghum production will allow producers to apply nitrogen in proper amounts, while maximizing yields.

That's important, for example, in markets like the California ethanol market, which has stringent guidelines for verifying how a crop is grown. To capitalize on such markets, Tomlinson said "we need to be able to show that grain sorghum is produced sustainably and efficiently."

"The other piece of that," he said, "is when they develop a carbon intensity score (a measure of hydrocarbons emitted versus the amount of energy consumed) for grain sorghum, nitrogen plays an important part in that calculation. Through this work, if we can find that we can reduce nitrogen recommendations even by a couple percentage points, we may be able to ultimately reduce that carbon intensity score for grain sorghum."

The \$65 million project is funded for five years, but Tomlinson said he hopes to complete the nitrogen management project in four, "so that we have time in the final year to communicate the findings and incorporate those into our Extension programs across the region."

"We'll see how the fertility trials pan out over the next couple of years, but if we can optimize our nitrogen application rates, that comes with the added benefits of reducing nitrogen runoff and leach-

ing," he said. "It speaks to the overall sustainability efforts of improving our crop production systems. Water quality is essential to my position, and even though we won't be directly looking at water quality, we know that there are added benefits to the crop production system if we can optimize our nitrogen rates and reduce excess nitrogen."

More information on USDA's Partnerships for Climate-Smart Commodities program is available online. The National Sorghum Producers also has published information on the project online.

## Extension Fall Fling scheduled for Oct. 10

Fellowship and fun will be a large part of the upcoming Fall Fling, Monday, October 10th in the Clay Center 4-H Conference Center at the Clay County Fair Grounds. All interested men and women in the area are encouraged to attend. Everyone is asked to bring a salad for the noon luncheon. Refrigeration is available upon arrival at the meeting. Tableware and beverages will be provided.

The following programs are scheduled for the day. The morning program will start at 11:00 a.m. and feature Lou Ann Schneider, a Federal Veterinarian. She will present her program, called Wild Horse Gatherings. The afternoon program will start around 1:00 p.m. and feature Lindsay Metcalf. She is the author of non-fiction children's books. There will be books for sale at this program.

There is no registration for this meeting. The Clay County Homemaker Extension Unit Members and K-State Research and Extension are sponsoring this program for all interested men and women.

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# Plan now for fall Soybean Cyst Nematode testing

**By David G. Hallauer, Meadowlark District Extension agent, Crops and soils/horticulture**  
Soybean harvest will soon be upon us and hours in the combine staring at a yield monitor can provide us a good opportunity to plan fall Soybean Cyst Nematode (SCN) monitoring efforts. In-cab field observations

combined with yield monitor data can help us design that plan. Sampling for SCN can occur about any time during the year. Fall is a great time, allowing time for potential management changes in advance of the next soybean crop. Drought conditions favor SCN reproduction, making this fall a prime time

to monitor SCN levels. One of the challenges of SCN is its uneven distribution. Nematodes only travel short distances, so testing protocols are fairly intense and designed with the intent of getting a good idea of numbers. Most protocols suggest 10-20-acre sampling blocks or sampling according to field management zones

or in areas where you've noted production issues in the past. Focus on fields known to have SCN populations or those planted to soybeans with greater frequency, or with a history of soybean Sudden Death Syndrome (SDS). Walk in a Z pattern and collect 10-20 cores (six to eight inches deep) per sampling zone. Mix well in a bucket and

collect one pint of soil in a plastic bag. Seal the bag, and ship overnight (Refrigerate samples if shipping cannot occur immediately. Do not allow samples to remain in the mail over a weekend). To aid Kansas producers in monitoring for SCN, the K-State Plant Disease Diagnostic Lab is offering limited free SCN testing

through a grant from the SCN Coalition. To learn more, contact me via any District Office or email dhallau@ksu.edu or check out a KSU Agronomy eUpdate article at [https://eupdate.agronomy.ksu.edu/article\\_new/free-soybean-cyst-testing-from-the-k-state-plant-disease-diagnostic-lab-497](https://eupdate.agronomy.ksu.edu/article_new/free-soybean-cyst-testing-from-the-k-state-plant-disease-diagnostic-lab-497).



Senator Jerry Moran, center, visited Atkinson Family Farms as part of his farm tour of southeast Kansas recently. *Courtesy photo*

## Moran hosts Farm Tour; hears effects of drought on fall crops

On Monday, September 19, Sen. Jerry Moran hosted a Farm Tour in southeast Kansas with Kansas Farm Bureau President Rich Felts and ag leaders from the community. "Throughout the tour stops, we saw firsthand the severity of the drought in this part of the state, as well as its harmful impact on the recently harvested corn crop and the current soybean crop," Moran said. "We also discussed the upcoming Farm Bill and the importance of crop insurance as a risk management tool for our farmers. The producers I spoke with shared the ways in which they have had to change their management practices due to the higher input costs they are facing, particularly with fertilizer and fuel prices."

Moran shared that during the final southeast Kansas stop, tour participants heard from local dairy producers about their daily operations as well as the sustainability practices they have put in place to ensure they are using the state's natural resources responsibly. "They also shared about their

involvement in educating local students on the dairy industry and its important role for our state," said Moran. "I want to thank 5E Farms, Atkinson Family Farms and Foster Dairy for hosting us for this tour and for sharing valuable insight during our time with them."

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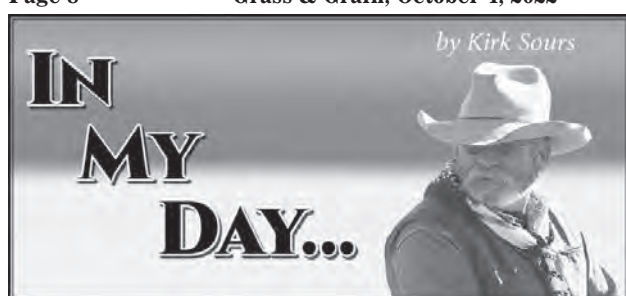
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## The Cave

In the late 1800s the railroad came to Olsburg, bringing with it the promise of prosperity and the latest in transportation technology. The Leavenworth, Kansas and Western Railroad, known by many less endearing monikers such as "Little Kansas Wiggler," "Laugh, Kuss and Walk," or my favorite, "Lord Knows When," traded hands many times before being abandoned in 1935, when the Union Pacific tore up the tracks from Leavenworth to Clay Center, leaving many small towns and whistle-stops to perish in the Great Depression. Remnants of the old

right-of-way can still be seen from aerial photos or satellite. It was a bit easier to track 50 years ago, and we 'town' kids got a lot of fun out of playing on it where it came through just north of the business district, just about where the "new" city park is located. Just east of there was a thicket of woods that grew around and along the berm. Right in the center of those woods was the remnants of the "cooler," a dugout, stone-lined cellar built for the local dairy farmers to bring their milk and leave it for the train to pick up. We called it "The Cave." The front wall had

caved inward with a small portion of the roof, and the rubble made it a little difficult to get back into it, and then there was the fear of what was left of the ceiling falling in on whoever might be unlucky enough to be in there.

Oh, we had all been warned by somebody's parents, if not our own, to stay away from there, so no one spent a lot of time inside for that reason; it was just one of those things you had to do every once in a while to show you weren't scared. Therefore, we spent a lot more time playing around and on it, with of course, the obligatory stories of who died in there, how the Indians raided, and the townsfolk rallied here, or whatever else one could imagine "might" have happened long ago. To my knowledge no one died in it, and there were never any Indian raids anywhere close, and Olsburg didn't exist until 1880, about the time the first tracks were being laid from Leavenworth.

Anyway, the woods around that cave and the adjacent berm that had

served as the road bed was the popular place for boys and girls alike, looking for adventure, especially on a hot summer day. We built fine structures out of green tree limbs tied together with strips of bark or somebody's shoe string, and covered over by leafy boughs, strategically placed, of course, just under the berm at the edge of the woods, so we could watch for any nosey townsfolk, or parents hunting their kids. Bicycles were required to be brought inside the perimeter and out of sight from any mothers who might be walking or driving the street looking for one of their wayward children. BB guns, cap guns, slingshots, hatchets, pocket knives, pet frogs, home-made bows and arrows, surplus army helmets or other gear were always welcome - no, probably actually required - to gain entrance into our compound.

Even more strategic was the location of the town's general store, conveniently, about 50 yards over open ground, or one could be more stealthy by cutting through under

cover of the woods which butted up against the façade of some ancient building that had stood just to the north of the store and café, and come to the store entrance from that much less exposed approach. Of course Bill, the store owner, knew full well we all played back there, because we would steal his cardboard boxes off the loading dock to use as flooring or other needed additions to our shelters. He always pretended to be mad about it, but never said anything when we came in to buy "supplies" for our fort. He would let them accumulate and then burn them, anyway.

Those were the days when a kid could spend an hour or two riding a bike along the road and pick up a six-pack of pop bottles and redeem them for a free bottle of pop. Of course, you had to leave that bottle in the wooden flat by the cooler when you finished, which was a bit of an incentive for the kids to hang out front, under the awning that covered the weather- and foot-traffic-worn stone walkway in front of the building. Usu-

ally, if you got a pop, you also bought a candy bar to go with it, so I think maybe old Bill was a better marketer than we gave him credit for!

See, parents didn't have to worry about what evils we might be exposed to via the internet, iPhones, or other gadgetry back then. They just had to deal with bug bites, ticks, poison ivy, accidental hatchet cuts, broken bones, black eyes, bicycle wrecks, puncture wounds, road rash and whose backyard we were chasing each other through like a gang of Hell's Angels. It was a great childhood!

We may ask ourselves when our society might return to those simpler times, but we know the answer: "Lord Knows When..."

*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.*



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**OUTDOOR EQUIPMENT:** 2015 DooLittle dump trailer (14k lbs.); John Deere Z810A mower (615 hrs.) w/48" deck; 2007 Gravely side by side (815 hrs.) w/electric dump bed; 5'x8' utility trailers; 18' dovetail car trailer (2-3500 lb. axles); 6' blade; 522 Toro snow blower; Scotts spreader.

**FIREARMS, HUNTING, FISHING:** Savage 440 B 20 gauge; Remington 510 .22 w/peep site; Remington 550 semi-auto .22; Ruger M77 .22 w/Leupold scope; LOTS of fishing tackle and rod/reel combos; 1954 10hp Scott Atwater boat motor; Bear (child) compact bow; gun cabinet; Jennings compound bow; straight bow; other misc. items.

**FURNITURE, APPLIANCES:** Console table; white bathroom vanity; couch; chair; firepit; 3-chair patio set; plastic patio chairs; wicker patio set; household décor items; leather couch; leather chair w/ottoman; oversized recliner; end tables; coasters; 54" oak round dining table; hutch; décor cabinet; 4 drawer dresser; desk; night stand; white faux leather chairs; quilt rack; LG fridge; Whirlpool fridge.

**TOOLS:** Binks Auto Paint Booth (14' 5"x26' 6"O-outside dimensions); DeWalt chop saw; Hobart 140 Handler welder w/gas; Champion 6875 watt generator; 12" Craftsman bandsaw; 10" Craftsman bench saw; Rigid

12" miter saw; 8' ladder; bench grinders; 5" vise; router bits; saw blades; VINTAGE transit; misc. hand & air tools; Grizzly table saw; Grizzly (G102022) dust collector; Rigid 10" miter saw; Rigid belt sander; Grizzly shaper; LOTS of clamps of all kinds; Craftsman 13" drill press; Grizzly edge sander; Grizzly drum sander; shop made router tables w/ Bosch routers; dove tail jig; brad nailers; 13" Rigid planer; shop vacs; Central Machinery dust collector; misc. electric tools; hydraulic work bench; creeper; Husqvarna 55 chain saw; backpack sprayer; lots of garden tools; gas cans; 30" shop fan; Rockwell jointer; mason tools; 7" Rigid tile saw w/stand & tub; sheetrock stilts; laser level; biscuit joiner; panel jack; extension ladder; **LOTS of misc. tools!**

**CONSTRUCTION SUPPLIES & MATERIALS:** Limestone hearth; basement jacks; scaffolding; plywood & OSB; misc. lumber; nails & hardware; 48" granite vanity top; barnwood; cedar beam; misc. fasteners; misc. electrical supplies; ductwork; egress window cover; **TONS of misc. supplies!**

**MISC.:** Oklahoma Joe smoker; Masterbuilt smoker; barnwood box; storage cabinets; dog kennel; receiver hitch storage hauler; 1916 Brunswick slate pool table (disassembled); propane pot fryer; Honda motorcycle (50cc? for parts); DC thermoelectric cooler; vintage tools; mancave décor items; t-posts; **TOO MANY ITEMS TO LIST!!!**

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# Kansas wheat farmers share keys to success with state checkoff

The single-largest research investment by Kansas wheat farmers came to life almost ten years ago when the Kansas Wheat Innovation Center opened its doors. Since that time, the center has set a standard of excellence for wheat research and worked to meet the specific needs of Kansas wheat growers. In recognition of the upcoming decade milestone, the Kansas Wheat Commission embarked on a statewide effort to gather Kansas wheat farmer feedback on the future — positioning the commission to continue finding innovative solutions to position wheat growers for success.

The effort included eight roundtable discus-

sions involving 120 Kansas wheat farmers. Farmers shared insights on obstacles like infrastructure, market volatility and supply chain disruptions as well as the value they see in improved genetics, sustainable production practices and regionally specific management practices.

"One of the participants in the roundtables said, 'It's the little things together that make wheat pay,'" said Justin Gilpin, CEO of Kansas Wheat. "Helping farmers manage all of those little things well is our role as the checkoff. We need farmer input to ensure we're doing that as effectively as possible."

The roundtable discussions indicated Kansas

wheat farmers particularly appreciate programs that highlight best practices, provide opportunities to connect with others in the industry and offer guidance specific to operations or regions. One of the Kansas Wheat programs that received high praise in the discussions was the Kansas Wheat Rx program, which helps farmers make management decisions and choose varieties based on their individual growing region's characteristics.

Based on the feedback, Gilpin said Kansas Wheat's team will continue to focus on research, education and information services that address farmers' concerns and promote market development.

"Every day, our team focuses on providing the information and services needed to make all the elements farmers can control — genetics, agronomic and management decisions — work together," he said. "The input provided through the statewide discussions strengthened our focus as a team and will help us determine how to better meet the needs of wheat farmers in Kansas."

Farmers in these roundtables also confirmed the following commitments:

- Using cutting edge research to purposely select wheat varieties and use regionally specific management practices to produce the best wheat crop possible.

- Exploring new marketing opportunities presented by preferred variety programs and producing high protein wheat to meet market demand.

- Making agronomic decisions and applying research to reduce inputs and to select wheat varieties that will perform well in their region.

- Ensuring transparency with consumers to share the story of how a safe, nutritious wheat crop is produced.

- Continuing to work to get improved wheat varieties into the hand of farmers faster.

- Helping producers practically apply research innovation to their on-farm management decisions through regionally held Wheat Rx programs and other outreach.

An executive summary of the Kansas Wheat farmer stakeholder feedback is available at [https://kswheat.com/sites/default/files/kansas\\_wheat\\_stakeholder\\_executive\\_summary\\_2022.pdf](https://kswheat.com/sites/default/files/kansas_wheat_stakeholder_executive_summary_2022.pdf).

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# Off-farm income crucial to many ag operations

Rural communities have increasingly diverse economies.

Farm households increasingly rely on off-farm income. A report from University of Missouri Extension notes that, on average, 82% of farm household income comes from outside the farm.

More than half of the principal operators of farms have primary jobs off the farm, said Alan Spell, MU assistant Extension professor and a co-author of the report.

"The Importance of Off-Farm Income to the Agricultural Economy" highlights the growing in-

terdependence of rural and urban economies over the past several decades, Spell said. "The agricultural sector is vital to the U.S. economy and to rural communities. As productivity continues to reduce the need for farm labor, however, we need to recognize the growing importance of other sectors, and nearby cities, to rural economic prosperity and farmers' well-being."

More than half the residents of nonmetro and farm-dependent counties commute to other counties for work, he said. Farm operators with off-farm jobs typically work in

areas such as construction or manufacturing, while spouses often have jobs in retail or wholesale trade or health care services.

Reasons cited for off-farm employment include the need for a stable source of income to support farm operations and job benefits such as health insurance and retirement plans. Outside income is particularly important to younger farmers, who often have higher debt loads as they grow their operations.

The report, which draws on data from the USDA's Economic Research Service as well as employ-

ment and commuting data, was commissioned by the Denver-based CoBank, a major provider of loans and other financial services to the agricultural sector.

"The rural economy has become more diverse and more complex than it was even 15 years ago," said Dan Kowalski, vice president of CoBank's Knowledge Exchange. "What that means for those of us who serve rural communities is we have to evolve our understanding of what fuels rural economies and what these communities need to succeed and thrive. In many cases, the historical

concept of 'rural' no longer applies."

Spell said these trends also have policy implications. "The story of rural communities being solely dependent on agriculture is missing the evolving reality that workers, and often farmers, depend on a greater diversity of job opportunities to make a living," he said. "Rural development programs that recognize this changing landscape will be better able to support economic growth."

Examples include rural

broadband expansion programs. "Lack of internet services was a problem before the COVID pandemic," Spell said, "but the crisis demonstrated how important it was for rural residents and businesses to be connected to services and customers outside their region."

The report was written by Spell along with MU colleagues Keri Jacobs, MFA Chair in Agribusiness; Sarah Low, Heinkel Chair in Agriculture; and research project analyst Justin Krohn.

# K-State researchers study impact of bison on Flint Hills grasslands

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

For many, the Konza Prairie located just south of Manhattan has the best nature hiking trails in the Flint Hills, but it also serves as a biological research station and home to nearly 280 bison.

For more than 30 years, Kansas State University researchers have conducted fire and grazer experiments on the Konza Prairie to study the functions of the ecosystem; specifically, says biology assistant professor Zak Ratajczak, they have been assessing the role bison play in encouraging biodiversity and resiliency in grassland plants.

The removal of bison herds in Kansas in the 1860s, though a record number of bison in the Manhattan area was re-introduced in the mid-1880s. They were reintroduced to the Konza Prairie in the 1980s — almost 100 years later.

The reintroduction of bison was significant to tallgrass prairie research primarily because of grass species like big bluestem becoming dominant without the presence of large animal grazers.

"What we've been finding is that bison are actually very good at consuming this specific species and other dominant grasses in large quantities," said Ratajczak, lead author of the research article on the long-term bison grazing experiment. "And what that does is it leaves more room and resources for other species to become established."

Since beginning this project, the amount of plant species has doubled, which increases the diversity of tall grass prairie plants.

### Drought

Drought conditions experienced in 2012 helped researchers to determine that the resilience of tall-grass plant species has evolved.

"Initially, the number of plant species present decreased by 25%," Ratajczak said. "But the community was able to recover those losses in two to four years. So, although they weren't resistant at first, they bounced back afterwards."

Ratajczak added that events like drought are likely to become more common, more intense and even last longer than the 2012 drought.

"It's sometimes difficult to actually quantify your local effects of drought, but we do have year-to-year variability, which is a natural part of our weather patterns here in the Great Plains," said Jesse Nippert, a K-State biology professor and current lead on the Konza research grant. "For native plant communities, you can think not only about mortality and completely dropping out of the system, but sometimes it can be premature senescence (a gradual deterioration of functional characteristics in living organisms) like lack of flowering or loss of local pollinators in some cases."

The 2012 drought gave a glimpse into the future of Kansas grassland species' adaptability when faced

with major environmental changes.

### Ruminants

Additional research compared cattle grazing to bison grazing effects. While they are similar animals — for example, they are both large ruminants, meaning they consume grasses and ferment them through the rumination process — they impact the environment differently.

"What we see so far is that cattle, like bison, decrease the abundance of these dominant grasses, but not quite as much as bison, and that seems to be a part of the reason that they also don't increase plant species diversity quite as much," Ratajczak said. "Cattle still have positive effects, but at a slightly different magnitude."

Different management practices also impact the large animal grazers' influence on grassland prairies.

"Cattle graze intensively at higher densities during the summer, and those areas rest during the winter, while bison are present year-round," he added.

Research on different management types regarding grassland prairies is expected in the future of this research study.

### Funding

This long-term research program is funded by Kansas State University and the National Science Foundation, totaling well over \$31.6 million.

"We're part of what's called the Long-Term Ecological Research Network and it has a system of protocols for types of data to be measured the same

way year in and year out," Nippert said. "We collect data on populations of organisms, changes in soil through time, major changes in nutrient cycling, and also keep climate records."

"By doing the same measurements in the same way, year after year, we notice subtle changes that you wouldn't notice in a five-year study. And doing studies like this over long periods of time allows us to see patterns and trends that wouldn't be obvious in a shorter-term experiment," Nippert added.

The data measured at the Konza Prairie is available online to anyone locally, nationally and internationally, free of charge, according to Nippert.

"These grasslands are our heritage, and they are something to be proud of. And, you know, there's something to both learn from and respect and then to continue to investigate and so I feel very fortunate, and we all do for having this tremendous resource," Nippert said.

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**DAY 1: TUESDAY, OCTOBER 18, 2022 \* 10:00 AM**  
Large items including skid steer, telehandlers, excavator, etc. to sell at 12:00 pm



**MACHINERY & OTHER LARGE ITEMS:** Bobcat S185 Skid Steer (4,216hrs, almost new foam filled tires, will include one bucket), Kubota KX057-4 Excavator (663hrs w/hydraulic thumb w/18" & 24" buckets), Genie Lift Z-45 (22' boom, 3956hrs, electrical issues, fixer upper opportunity!), Lull 644 B-37 Telehandler (6,614hrs), CAT TH63 Telehandler (4,428hrs), shop built skid steer trailer, 8'x28' bumper pull contractor trailer, 12'x48' contractor trailer, 5 enclosed semi-trailers (some for storage & some jobsite trailers), 16' car trailer. **SKID STEER ATTACHMENTS:** Bobcat brand pallet forks, Bobcat brand hydraulic breaker, Misc. Skid Steer buckets, Kubota SA35 Post Hole Auger & 24" bit (Bit & Auger Will be sold Separate), Lowe Post Hole Auger (has no auger bit), Danuser Hydraulic Auger Bucket.

**CONSTRUCTION EQUIPMENT & MISC.:** Concrete Curb & Gutter Forms, Wheelbarrows, Camlever, Crane Point Rolling Pivot, Ellis Shore Clamps, Jon wall form clamps, Gates wall form clamps w/accessories, 15 or more steel drums, Jon wall scaffolding, 5' wide x 6' tall Job Box, 9' & 14' gates, 35 or more rolls of snowfence, Whisperweld welder/generator MQPower 300amp welder/10KW AC generator (7,840hrs, Kubota motor), Whisperweld welder/generator (5,239hrs, does NOT weld), Miller Big Blue 300 Welder Generator (7,629hrs, runs great), pallets full of new bricks of many different types, rebar, concrete blocks, retaining wall block, concrete buckets, telephone poles, steel posts, **more items not listed!**

**SCAFFOLDING:** 3' scaffolding sections (x2), 4' scaffolding sections (x75), 5' scaffolding sections (x51), 6' scaffolding sections (x116).

**DAY 2: TUESDAY, OCTOBER 25, 2022 \* 10:00 AM**  
Large items including Survey Equipment trucks, trailers, scissor lift, etc. to sell at 12:00 pm

**SURVEY EQUIPMENT & ELECTRONICS:** Leica Robotic, Nikon DTM 332 (x2), Nikon NE 20s-20sc, Spectra LL500 precision laser, CST Berger 28x automatic level, AGL eagle2, Topcon AG20 transit, Spectra physics laser plane, Nomad Trimble (x2), Vertex standard radios VX230 series (x4), Motorola radios P1225 radios (x4).

**TRUCKS, TRAILERS & LARGE ITEMS:** Apollo pallet fork dolly (5,500lb capacity), 2012 Ford F250 Super Duty (6.7liter Powerstroke motor, 4-wheel drive, 235,698mi), 2012 Ford F250 Super Duty (6.7liter Powerstroke motor, 4 wheel drive, 216,071mi), H&H 16' tandem axle enclosed trailer, Cargo Craft Inc. 24' enclosed tandem axle gooseneck trailer, Titan 24' tandem axle flatbed gooseneck trailer, 18' bumper pull enclosed trailer, Elite 26' tandem axle flatbed gooseneck trailer, Mayville 2033 scissor lift.

**SHOP ITEMS, CONSTRUCTION & MISC.:** Approximately 1,000sqft of tile, Husqvarna 125L weed eater, pallet jack, Clarke floor buffer, air compressors, Pallet Racking 8'long 46" deep (14 sections), Job Box model 68099 R4, Ryobi bench grinder, Makita 1806B plane, chop saw, RYOBI power washer, calk backing, STIHL TS400 demo saw, DEWALT chop saw, FLO TECH 3/4hp model FP482208, Delta drill press, RIGID wheelbarrow air compressor, Mikasa ingersoll compactair, Frigidaire stainless steel commercial fridge, Char-Griller smoker/grill, Ingersoll Rand 1HP single phase motor, Whacker Packer VP1550, pressure washers, TroyBilt 2620 snow blower, folding ladders (two 6', two 10', 4', 8'), job lights, Von Duprin exit devices, Delta jointer, baker scaffolding (2 sets), shovels, post hole jammers & other hand tools, Sumner model 720 duct jack, RIGID shop vacs (x2), table saws (4+), **more items not listed!**

**AUCTIONEER'S NOTE:** Join us for two massive auctions on behalf Altmar Inc. After many years of Construction in communities near and far John has decided to give the public an opportunity to purchase some outstanding items he's acquired in his years of service!

For Terms See Website. Announcements on the day of sale take precedence over all advertising.

For questions call:

**MORGAN RIAT, REALTOR/AUCTIONEER**  
785-458-9259  
or email:  
[morgan@foundationks.com](mailto:morgan@foundationks.com)

  
**FOUNDATION REALTY**  
 210 N. 4th St., Suite B, MANHATTAN, KS  
 Visit us at [www.foundationks.com](http://www.foundationks.com) for more details & pictures!

**SELLER:**  
**ALTMAR, INC.**

**ESTATE AUCTION**  
SATURDAY, OCTOBER 15, 2022 \* 10:00 AM \* Lunch on Grounds  
AUCTION LOCATION: The Kansas National Guard Armory, 721 Levee Drive MANHATTAN, KANSAS

**AUTO \* COLLECTIBLES & FINE FURNITURE**

**CAR (To sell at 12:00 Noon)**  
2008 Toyota Avalon Limited car with approx. 110,717 miles, 3.5 V-6 motor, sunroof, 4-door, leather interior, power windows & locks, very well-kept car.

**COLLECTIBLES & ANTIQUES**  
German Handmalerei fancy tea set, green & white; Lilac handpainted tea set, complete; Weihnachten German Christmas plates; Vatertag plate; German collector plates; Oneida silver serving set, complete; several silver trays; 3 sets of silver silverware; large set of Rosenthal China Sans Souci design from England; Noritake Naples china; dancing Dresden figurines; Dresden compote; Dresden Cinderella Coach with Horses & Driver; Ivory handled steak set; Oriental wooden combo set; white marble bust of Pierrot the Clown; ginger jars; lots of crystal including multiple sets; numerous framed paintings; colored crystal wine glasses; Longaberger basket; 2 large German pottery steins; 3 miniature wooden orchestra sets; banjo clock; English & German Ironstone china; 4 brass plated goblets; assorted copper & brass pieces; collectible shot glasses; approx 80 Baseball cards; lots of figurines; old games; old Bingo cards; wooden carved Last Supper picture; Hummels; old metal cigar box; round metal Friends tobacco can; lots of costume jewelry & vintage purses; men's cane collection; very good businessmen's hat collection; crewel embroidered table cloth; 2 Oriental embroidered duvet covers with matching pillows; Falstaff beer case;

toy train set; many old cameras; vintage music instruments including 2 trumpets, 2 trombones, 1 saxophone & a clarinet; many old books; old Burroughs adding machine; starting pistol; old Bell & Howell movie projector; 15 boxes of cigarette lighters; 2 old US Army foot lockers; old metal hand crank corn sheller, good; very good antique wooden ice sled; old stand up radio cabinet; cedar wardrobe; 5 Holiday wooden nut crackers; Bearington Bear; 3'x5' & a 4'x5' tapestry; Edelweiss framed pictures; Valet Butler's stand; vinyl records of all kinds; fancy ladies scarves, handkerchiefs & aprons; Saba European radio in wooden case; Ridgeway Grandfather clock, nice; vintage secretary; needlepoint Bell pull; antique hair dryer; Plus many other collectible items.

**QUALITY FURNITURE & OTHER HOUSEHOLD ITEMS**  
Large German Shrank 4-door wall unit with king size bed, 2 night stands & folding mirror dresser; queen size bed with 2 mirror dresser, wardrobe & 2 night stands; 3 white dressers with side cabinets; round wooden dining table with 4 cane back padded chairs, nice; credenza; Bose Acoustic Wave music system; buffet; octagon coffee table; Toshiba flat screen TV; several small TVs; very nice glass top china cabinet; 5-shelf wooden & glass étagère; 4-shelf wooden étagère; high back wooden chair with arms; wooden rocker with cushion; Broyhill 3-cushion divan; another nice divan; brown chaise lounge; cane sided magazine rack; wooden chairs

with Rattan backing & seat; dark brown massage chair, like new; wingback upholstered chairs; French vanity mirror; 2-drawer wooden filing cabinet; very nice white table with 4 chairs; wall sconce; several floor lamps; other lamps; wooden desk; piano light; wooden upholstered foot stool; assortment of Persian & Pakistani rugs in various sizes; Pendulum clock; tea cart; Teak Veneer china cabinet; 2-drawer entry table; very large basket; 2 wooden chairs with needlepoint; computer desk; Kenmore 10-Stitch sewing machine; several wall sconces; radio and a reel-to-reel tape recorder; corner wrap-around banquet formica top table with 3 chairs; Quinsart coffee maker & food processor; many small kitchen appliances & kitchenware items; Hoover Turbo Empower 4000 Widepath vacuum; 2 Shark sweepers; lots of linens, afghans & bedding.

**GOLF CART, SCOOTER & MISC.**  
EZ-Go golf cart (needs new batteries); Go-Go Elite Traveler electric handicap scooter; Weider Power Glide fold-away design exercise glider; Snapper Ninja self-propelled walk-behind mower; Echo GT-200 R gas-powered string trimmer; assorted Black & Decker saws, drills, sanders & other assorted tools; 2 Coleman camp stoves; 5 sets of golf clubs; 15 fishing rods & reels; Turbo kerosene heater; Minn-Kota trolling motor; hunting vests; old saws; many bowling balls & bags; shoe shine kit in wooden carrying case; Lexmark copier; Fellows paper shredder; luggage.

**SELLER: HEIRS OF JOHN & LUISE WHITE**  
AUCTIONEER'S NOTE: Mr. White was a career Army Serviceman and collected items from many places. He was also a longtime Manhattan Realtor. Come see the Quality items we have to sell!

For Sale Bill & Photos go to: [www.ClineRealtyandAuction.com](http://www.ClineRealtyandAuction.com)

**TERMS: CASH OR VALID CHECK.** Not Responsible for Accidents or Theft. Statements made sale day take precedence over printed material.

**Auction Conducted By: CLINE REALTY & AUCTION, LLC**  
Onaga, KS • 785-889-4775 • John E. Cline, Broker/Auctioneer, 785-532-8381  
Austin Cline, Auctioneer, 785-565-3246



# Regenerative ag not a one-size-fits-all approach

As more food companies move toward regenerative agriculture commitments to meet bold sustainability goals, close collaboration between the food industry and farmers is key to ensuring true sustainability along the supply chain. That was the overarching message when soybean farmers and food companies discussed the complexities of regenerative agriculture during a September virtual roundtable meeting hosted by the United Soybean Board (USB) and The Center for Food Integrity (CFI). The meeting was part of a broader effort by USB and CFI to foster collaboration between farms and food companies on the topic of sustainability.

Farmers shared their on-farm sustainability efforts to enhance soil health and sequester carbon through practices such as no-till and cover crops, and food companies detailed their current projects and how they work with farmer suppliers. While there was no consensus on a specific

definition for regenerative agriculture, all agreed it's about continuously improving farm sustainability while protecting natural resources and farmer livelihoods.

"It's farming in a way that maintains productivity and improves ecological outcomes," said Jason Rowntree, C.S. Mott Professor of Sustainable Agriculture with the Department of Animal Science at Michigan State University and director of MSU's Center for Regenerative Agriculture.

"It's about improving water function and cycling, soil carbon and sequestration and soil health," said Rowntree. "But at the end of the day, regenerative agriculture is about the farmer. It must be profitable and edifying and something they can accomplish."

Food companies described how they are working with farmers to reach sustainability goals. In 2018, Smithfield Foods committed that 75% of its grain would be sourced from farmers with estab-

lished regenerative agriculture practices.

"To date, we've engaged more than two million acres in our sustainability initiatives," said Brooke Wynn, senior director of sustainability for Smithfield Foods. "We've achieved that by working with agronomists to provide technical assistance to farmer suppliers on topics like nutrient management and the use of cover crops. We've also provided seed to farmers at reduced cost to help them put these best practices in place."

"Grain production is 20 to 25% of our carbon footprint," said Wynn. "We are striving to reduce emissions without lowering yields. At the end of the day, that's what everyone wants."

Cargill has worked across various supply chains over the years to enhance sustainability, including row crops, beef, cocoa in West Africa and palm in southeast Asia.

"What we find with regenerative agriculture is these principles around soil health and improving farmer profitability can be applied across geography and across farm size," said Ashley McKeon, director of regenerative agriculture at Cargill. "We see regenerative agriculture as feeding a growing population, while improving

farmer profitability and having positive environmental outcomes – a triple win. We asked ourselves how our company could play a role."

Two years ago, Cargill set a commitment to advance regenerative agriculture across 10 million acres in North America by 2030.

"We immediately set the foundation and received an enthusiastic response that included farmers interested in engaging with us and enrolling in our programs," said McKeon. "In our row crop sourcing, which includes soybeans, corn, wheat and cotton, we're supporting regenerative agriculture practices like reduced tillage and cover crops on over 668,000 acres. We're confident we'll get to a million acres by the end of this year."

The good news, said McKeon, "is we're not starting from ground zero with agriculture. Many farmers have been doing this for a long time. Our job is to help build on successes and remove some barriers that have gotten in the way of larger-scale adoption."

"When we interviewed some of our growers, they said they want simplicity, transparency and flexibility to suit their specific operation," she said. "Our

goal is to focus on the outcome, not dictate practices." It's an approach Tony Mellenthin, Wisconsin soybean farmer and USB farmer-leader, appreciates.

"There's no one-size-fits-all," he said. "What works for a southern farmer may not work for a northern farmer in terms of conservation practices. But even though their approaches may look different, they're still improving the sustainability of U.S. agriculture."

When PepsiCo made a commitment last year to spread regenerative agriculture across all acres from which they're purchasing, they did so because strong and resilient agricultural communities are the basis for maintaining their own growth, as PepsiCo is on a growth trajectory.

"We know we're going to need strong farms into the future. Our goal is to keep farmers farming and do it in a way that improves their resilience as our climate changes," said Margaret Henry, senior director of sustainable ag strategy at PepsiCo who grew up on her family's Kentucky dairy farm. "Farmers are experiencing 10-year and 20-year weather events almost every year now and it's hurting their pocketbooks

directly." Data collection for measuring outcomes was discussed, with varying opinions on how to prove if regenerative practices are working. Henry recommended a balanced approach.

"We need enough data, but we don't need so much that we're doing mostly 'farm bothering' rather than 'farm partnering'," she said. "We will always push for the most reasonable, simple level of data collection that's credible and accurate, without having farmers spend a quarter of their time entering data on computers or giving up their rights to their data and privacy. Farmers should be in the field, farming, and hopefully our efforts will help them do that sustainably, long into the future."

The demands at the farmgate for sustainable and regenerative practices will only continue to grow, according to Henry. "Over the next 24 to 36 months in the food and beverage space, we're going to see a tremendous scaling of what five years ago, we were doing this on a few thousand acres. Now we're seeing scaled engagement all over the country reaching millions of acres and that momentum is only increasing."

## Genetic differences in feed efficiency and fertility

By Lisa Moser, K-State Research and Extension news service

Go to a family reunion and the keen observer can spot trait similarities in the way people look. Eye color, hair texture, face shape, etc. are just some of the features that tend to be passed through the generations.

Just as with people, cattle also pass traits to their offspring that can be measured, said the experts at Kansas State University's Beef Cattle Institute.

Speaking on a recent Cattle Chat podcast, veterinarian Bob Larson talked about heterosis (a superior genetic advantage) and trait heritability with nutritionist Phillip Lancaster.

"The more unrelated the cattle are, the greater advantage there is in heterosis," Larson said.

He cited the example of a British-breed beef animal mated to a Continental-breed animal as producing a greater level of heterosis than mating two animals of the same breed.

One noted advantage of heterosis relates to feed intake. The experts cited a recent study that showed a

crossbred animal's ability to maintain body weight by consuming less feed than its purebred counterpart.

"There are well-documented differences among the breeds of cattle for maintenance energy requirements," Lancaster said.

Along with feed efficiency, Larson said, crossbred cattle are more fertile than purebred cattle.

"The fertility advantages of crossbred cattle are known in both males and females," Larson said. "When you mate two animals of the same breed you are depressing the potential for reproductive efficiency compared to mating cattle of different breeds."

He added that in a 65-day breeding season, a higher percentage of the crossbred cows will be

more likely to be bred than the purebred females.

"The greatest advantage of heterosis comes through traits that are lowly heritable, such as fertility because so many genes influence reproductive efficiency," Larson said. "By contrast, highly heritable traits offer less heterosis advantages."

Genetic testing can provide a precise prediction of an individual animal's performance, said Lancaster.

"Through genetic tests, we can now estimate the heterozygosity (two different forms of a gene that is transmitted in different forms to the offspring on a 50/50 basis) of individuals based on genetic markers," Lancaster added.

To hear the full discussion, listen to the Cattle Chat podcast online.

### LAND AUCTION

**SATURDAY, OCTOBER 22, 2022 — 10:00 AM**  
Community Center — SUMMERFIELD, KANSAS

**155± ACRES GAGE COUNTY, NEBRASKA LAND**

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## AUCTION

**THURSDAY, OCTOBER 20, 2022 — 10:00 AM**  
BURR OAK COMMUNITY CENTER ON LEWIS STREET, BURR OAK, KANSAS

**CAR (Sells at 12:00 noon)**  
2007 Buick Lucerne CXL 4-door car very clean loaded, white color, 119,844 miles.

**GLASS & COLLECTIBLES**  
Large assortment red glass; large assortment blue glass; milk glass; birds; bracket lamp; compotes; many crock blue & white pieces; steins; pitchers; many blue & white pieces; many blue crock pcs; ship measure cup; cane holder; canes; carnival bowls; coin glass; cruets; assortment clear glass; Oriental vases; figurines; Fenton pcs; Imperial glass; collector plates; wall clock;

wall spice cabinet; chocolate molds; blue & white cookie jar, bowls, covered pieces; crock steins; baskets; blue bottles; many blue plates; red canister set; rolling pin; coffee grinder; porcelain granite; crock bowls; wall mirrors; assortment pictures; dolls; assortment costume jewelry; rabbit figurines; copper foot warmer; kitchen items; quilts; linens; yarn; lanterns; galvanized buckets; many pieces of glass.

**FURNITURE & HOUSEHOLD**  
After we sell the glass at the Community Center we will move to the home (217 E State St.) & sell furniture. 5 cu. chest freezer; pr. German lamp stands; L-shape booth, table & bench; 42" round oak table; 2 wing back chairs; oak cabinet; floral couch; German table & booth; end table show-cases; 2 single beds; chests; corner china; 70s hutch; 50s chrome table; 2 sewing machine base tables; 5 drawer chest; walnut 4 drawer chest; 18" & 24" flat screen TV; oak bench; table lamps; Kenmore vacuum; metal stand; yard art; patio table; park bench; extension ladder; assortment of other items.

**NOTE:** We will sell the glass & collectibles and car at the Community Center. When we finish, we will move to the home at approximately 12:30 p.m. and sell the real estate. Then we will sell the furniture at the house. Check our website for pictures at [www.thummelauction.com](http://www.thummelauction.com). Lunch by: American Legion Jr. Auxiliary Unit 263.

BARBARA RENNER ESTATE

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

## AUCTION

**SATURDAY, OCTOBER 15, 2022 — 10:00 AM**  
Auction will be held at Kenwood Hall at the Saline Co. Expo., 900 Greeley, SALINA, KANSAS

**GUNS (sell at 10:00 a.m.)**  
Pre-1964 Winchester model 70 featherweight 270; Winchester model 59 12 ga. vent rib; Winchester model 59 12 ga.; barrel for Winchester 59 Win-lite 12 ga. 2 3/4 full choke; Winchester model 67 22 short; KAL 22 Lang Fur Buchgen German WWII training rifle; Winchester 25-20 WCF model 92; Winchester model 94 30-30 Win; Remington model 6 22 single shot rough; W. Richard side by side double barrel 12 ga.; US Norwich 1864 musket; Revelation Western Auto model 120 22 LR semi-auto; Smith & Wesson 357 mag model 28 revolver; Vintage revolver safety hammer double action rough; Daisey Red Ryder carbine BB gun; Vintage gun box for Winchester 70 300 win magnum; gun cabinet; large assortment of ammo, shotgun shells; brass in various calibers; reloading supplies; several wood ammo boxes; Taxidermy includes Bass, Pheasant, Duck, Horns Elk, Deer, Antelope; tanned deer hide; assortment of hunting & fishing books, pamphlets, other; fishing tackle reels fly rod, nets; bear trap other traps; snow shoes; decoys.

**WESTERN, COWBOY & INDIAN**  
Fred Mueller, Shipley, Frazier, Hereford, unmarked, Army, pack & side saddles; large US Mail leather bag; several saddle bags; chaps; leather gun scabbard; ropes; vintage saddle stirrups; leather cuffs; leather holsters; marshal & ranger badges; LARGE SELECTION OF VINTAGE SPURS; some marked Crock-

ett & Kelly; branding irons; steer horns; wagon wrenches; fence stretcher; horse tie down weights; covered wagons & wagon lamps; horse collar mirror; lanterns; large selection of cowboy straw & felt hats; cowboy boots; Luechese ostrich boots; sleigh bells; harness rings; Acme children's boots; **LARGE SELECTION OF WESTERN & INDIAN PRINTS BY RUSSELL, REMINGTON, REYNAUD & OTHER;** assortment livestock commission booklets 1907, 1920, 1923; very large selection of vintage bronze, copper & silver horses in various sizes; vintage horse clocks & lamps; thermometer; cast iron horse & wagon; metal boot ashtray stand; buggy foot warmer; Peerless handcuffs; Caterpillar & John Deere watch fobs; 1974-95 Hesston belt buckles; assortment vintage belt buckles; vintage Indian pictures; antique small floor safe.

**COLLECTIBLES, TOYS & JEWELRY**  
5 gal Waconda Springs crock; crock water jug; Redwing 4-gal churn; 2 & 3 gal Redwing crocks; Rustels Stoneware jug; M. Wollstein jug; assortment crocks & lids; Aladdin kerosene heater; copper Tole-do cooker; RCA clock; copper boiler; kerosene lamps; old tools; cast iron school bell & stand; Fairbanks scale; mantel clock; 3 seat school desk; 3 section stack bookcase; 4 shelf display case; Dazey churn; Star tobacco cutter; stereo optic viewer & cards; vintage advertising; UP railroad key; scales; cast iron pieces; Colt

45 display; miniature windmills by aero; Regency radio; meat cleaver; Winchester flashlight; Lees Lightning saw; vintage horse/cow hide gloves; pottery; glassware; Coke trays; cast iron ship & dog door stops; IHC & JD yardsticks; Bell Telephone blue paperweight; TOYS: Buddy L Riding Academy truck & trailer; Structo truck; Vista dome van & horse trailer; Structo livestock truck & trailer; Nylint Pony Farms truck & trailer; U-Haul truck & trailer; Ford Bronco; Military Police jeep; Honeymoon Express train; vintage tin coin sorter; toy train; Cody Colt cap guns; Farmall, JD & Ford tractors; Budweiser horse & buggy; Uncle Sam's register bank; assortment of banks; **JEWELRY:** men's 14k gold horse shoe ring w/center diamond and 11 small diamonds over 2 ct total; men's Seiko 14k gold nugget wrist watch; men's 14k gold case watch w/jewels; men's 14k gold nugget ring w/6 diamonds 1/2 ct.; men's gold horse shoe tie tack w/9 diamonds 1/4 ct; men's 14k gold 20" chain; men's 10k gold steer head w/diamond eyes; men's 10k gold ring w/black onyx & small diamond; turquoise rings; turquoise boot clip; assortment of other rings; Buffalo/Indian head nickels; 18 Morgan silver dollars; 2-double eagle proof \$20 gold coins; assortment wheat pennies; bicentennial silver unrecirculated set; Foreign coins & paper; military buttons.

**HORSE DRAWN WOODEN FARM WAGON, GOOD.**

**NOTE:** This is a large auction. Roger had collected for many years. Check our website for pictures at [www.thummelauction.com](http://www.thummelauction.com)

ROGER JOHNSON ESTATE

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

### REAL ESTATE AUCTION

Marshall County, KS \* Farm including Wind Tower Income

**SATURDAY, OCTOBER 15, 2022 - 10:00 AM**  
Landoll Lane Conference Center, 2005 Center St., **MARYSVILLE, KANSAS**

**151 Acre Farm:** 3 miles east of Beattie with 140 terraced crop ground acres. Crop ground soils are 62.5% Class II Wymore silty clay loam with 1 to 3% slopes, 31.9% Class II Pawnee clay loam with 1 to 4% slopes and 5.6% Class III Pawnee clay loam with 4 to 8% slopes. **The sale includes the income from a wind tower and buried electric line easement.**

**DIRECTIONS:** From Beattie go East on Hwy 99 for 3 miles, then North 1/2 mile to the southeast corner of the farm, also 24th Road gives access to the west side.

**BRIEF LEGAL DESCRIPTION:** SW 1/4 13-2-9 less a tract in the southwest corner, Marshall County, Kansas

**AUCTIONEER'S NOTE:** This farm has been in the Gurtler family and now Sweany family for generations and now it's your opportunity to add to your operation a quality farm with a bonus of income from the wind easement payments.

Please go to website address below for Easement Agreement and other information:

SELLER: SWEANY FAMILY TRUST \* Laura J. Pearl, Trustee

For more information go to: [www.pearlrealestate.org](http://www.pearlrealestate.org)

Pearl Real Estate & Appraisal Service, Inc.

ST. MARYS, KS 66536 785 437-6007  
Mike Pearl, Broker: 785-256-5174 Dennis Rezac, Auctioneer: 785-456-4187

## AUCTION

**TUESDAY, OCTOBER 11, 2022 — 10:00 AM**  
Auction will be at the farm located near SCANDIA, KS on Hwy 36 go 4 miles West to Hwy 266 then North 4 miles.

**CARS, PICKUPS & MOTORCYCLE (Sells at 12:00)**  
2009 Cadillac CTS 4 door car, 3.6 engine, 35,000 miles; 1948 Pontiac Chieftain 2 door car, flathead 8 engine, automatic, 6313 miles; 1969 Olds Toronado; 1948 Dodge pickup; 1970s Dodge 200 Custom pickup; 1970s Honda motorcycle 9924 miles; 8' pickup camper.

**TRACTOR, TRAILER, MACHINERY & TOOLS**  
John Deere 4555 diesel tractor (RW4555POO4220), 3 pt. fast hitch, 3 hyd, 3746 hrs, w/JD 280 loader, 7' bucket, grapple, seals need repaired; JD hay buck new; JD 10' front blade new; Massey Harris 44 tractor wide front w/F19 Farmhand loader; David Bradley trailer w/Case metal box, hyd dump; JD D140 riding mower; JD 222 riding mower; 3 pt. bale fork; steel wheel farm wagon; Lincoln 180 welder; Twentieth Century welder; 3 post vices; floor grinder; drill press; 150 lb.

& 50 lb. anvils; yard sprayer; tool box; portable air compressor; battery charger; 500 gal. fuel tank w/pump; hyd cylinders; 10" inline booster pump w/Wisconsin engine.

**FURNITURE & COLLECTIBLES**  
Oak drop front desk w/bookcase; oak curved glass china cabinet; oak parlor table w/large glass balls; fancy parlor chair; 4' slant front floor showcase; 3 cedar chests; oak dresser; wicker rocker; 20s walnut china; 20s walnut 4 drawer dresser; bustle chair; bentwood cradle; set 4 pattern back chairs; 60s desk; 3 school desks; iron bed; gateleg table; painted dish cupboard; wicker plant stand; wood carpenter chest; bentwood churn; flat top trunk; 3 treadle sewing machines; child's dropleaf table; Victor floor safe; Mosher floor safe; cuckoo clock; mantel & kitchen clocks; horse clock; pocket watch; pictures inc;

(George & Martha Washington; Indian; Lone Wolf, End Of Trail; many good pictures); viewer & cards; globe; several calendars; costume jewelry; Carnival glass; Roseville & Hull vases; pressed glass pitcher & glasses; assortment of other glass; hat pin holders; Lincoln Drape Aladdin lamp; kerosene lamps; wall coffee grinder; quilts; oak wall telephone; End Trail statue; crock hot water bottle; 30 gal RW crock; crock chicken feeder; dolls; vintage clothes & shoes; coffee tins; jars; 1904 & 1923 Republic Co. Atlas; silverplate; horse yoke; potato planter; wood pulleys; saws; Perfection heater; car tags; DoWaJack stove top; kitchen items; sad irons; buttons; wood egg case; boilers; scythe; coaster wagon; walking plow; 2 platform scales; bicycles; ice cream freezer; **large assortment of other very good collectibles.**

**NOTE:** This is a very large auction with many very good antiques & collectibles. Check our website for pictures at [www.thummel.com](http://www.thummel.com)

DARLYNE STANDLEY TRUST

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



# Grass & Grain Area Auctions and Sales

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

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

Upcoming Online Auctions — Oct. 13-19 (Donna Surprise Real Estate & personal property); Oct. 20-26 (Blackburn personal property); Oct. 27-Nov. 2 (Boltdt Real Estate & personal property); Nov. 10-16 (Storage Unit of glass cutting equipment); Nov. 17-23 (Max Alber Shop equip., tools & personal property). Auctioneers: Hollinger Online Auctions & Real Estate.

October 4 — 1997 Dodge Van, Cub Cadet Tractor Lawn Mower, coins, antiques, furniture, household & more held at Americus for property of the Late Gladys & Franklin Myers. Auctioneers: Griffin Real Estate & Auction.

October 6 — 2-Bedroom, 1-Bath house in Wamego near City Park with attached carport & shed held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

October 8 — Tractors inc.: Ford 8000, Farmall 450, Farmall, Farm machinery inc.: JD 4400 combine & more, farm related items, hand tools, ammo, household & collectibles & more held near Valley Center for Waylan & Judy Wade. Auctioneers: Van Schmidt Auction.

October 8 — Trucks & vehicles inc. (2) 1949 Studebaker trucks, 1965 IH C100 pickup, 1961 Chev. Biscayne car, 1950 Chev. dump truck, 1990 Cadillac, 1986 Ford F-150 & more, 2 semi trailers for storage, Tractors & Equipment, shop tools & misc., farm & ranch items, collectibles, household & much more held at McPherson for the Norman Becker Estate. Auctioneers: Morris Yoder Auction.

October 8 — Collectors Car: 1960 Ford Falcon, all originals, runs; antique furniture, antiques & collectibles inc.: Hull pitchers, Sinclair gas globe, Coca Cola items, kerosene lamps, old dolls, grandfather clock, Hull & Roseville pottery, cast iron implement seats, old oil cans, metal signs (Texaco, Gleaner & others), jewelry & more, large collection of sports memorabilia, toys, coins & more held at Colby for the Late Joanne Stephens & Paul Stephens. Auctioneers: Berning Auction.

October 8 — JD 4020 D tractor, JD 3020 D tractor, JD 535 Big round baler, mowers & more equipment, trailers, pickups, big bales native grass mix hay, antiques, household, small collectibles & more held near Auburn for the Late Col. Robert Morris & Pauline Morris Estate., Joy Thomas, executor. Auctioneers: Wischropp Auctions.

October 8 — Guns including Remington, Ruger, Winchester, Springfield & more, ammo, gun cabinet, fishing items, household, collectibles, Fiesta, tools & outside items, catering items, Baby Grand piano & much more held at Americus for Doug Disney Estate. Auctioneers: Hancock Auction & Real Estate.

October 8 — Farm auction consisting of farm equipment, trailers & misc., livestock trailers & equipment, livestock panels & gates & more held at Baldwin City for Douglas County Area Farmers. Consigned by Barbara & The Late Jim Butell: 1964 Chevelle El Camino Malibu, 4-wheelers & more. Live Online bidding available on equipment at [equipment-facts.com](http://equipment-facts.com). Auctioneers: Flory & Associates Realty & Auctions.

October 8 — 1950 Case SC tractor rebuilt, exec., 1952 Case VAC tractor, Case 2 btm. 3 pt. plow, tools, shop items & parts held at Junction City for Eldon Rumbaugh. Auc-

tioners: Hallgren Real Estate & Auctions, LLC.  
October 8 — Coin auction consisting of approx. 500 lots inc.: 1/2 cents, large cents, Wheat cents, Buffalo nickels, half dollars, Morgans, Peace, lots of silver in rolls, \$20 Lib. Gold pieces & more held at Portis. Auctioneers: Wolters Auction.

October 8 — Farm auction consisting of Tractors, 1964 El Camino Collector Car, trucks, farm & livestock equipment, UTVs, tools & much more held at Lawrence for Jim Butell Estate & others. Auctioneers: Elston Auctions.

October 8 — 6.82 acres more or less with a home in Chase County Flint Hills consisting of 2+BR, 1BA, outbuildings & more; also selling Equipment inc. JD 650 tractor, riding mower, trailer, tools, guns & outdoor items, antiques, household & appliances held at Cottonwood Falls for The Kenneth Fischer Estate. Auctioneers: Griffin Real Estate & Auction.

October 8 — 3 storage units with furniture, household goods, antiques & collectibles held at Chapman for Bob Diehl & Joan Atkinson. Auctioneers: Kretz Auction Service.

October 8 — Tractors, vehicles & trailer including JD 2305, Ford 1700, 1999 Ford F-450, 1996 Lincoln Town Car, Machinery including Country Line rotary mower, Cub Cadet riding mower, Dearborn plow & more, many power & hand tools & more held near Overbrook for Howard Fishburn. Auctioneers: Edgecomb Auctions, Lester Edgecomb & Brady Altie.

October 9 — JD X-740 L&G tractor, 1982 WW bumper pull trailer, tool chests, bolt bins, chain binders, log chains, C-clamps, collectibles, fishing poles & tackle, McCoy, kitchenwares, tools & more held at Grantville for Mike & Carol Ingenthron. Auctioneers: Wischropp Auctions.

October 9 — 8N Ford tractor, 2002 Kawasaki 360 4-wheeler, 1999 Jeep, outdoor equipment inc.: Doo Little dump trailer, other trailers, JD Z810A mower, firearms, hunting & fishing, furniture, appliances, lots of nice tools, construction supplies & materials & miscellaneous held at St. George. Auctioneers: Crossroads Real Estate & Auction, LLC.

October 9 — Estate auction including Hallmark ornaments, knives, watches, belt buckles, lots of Harley Davidson items, rock vinyl, furniture, household & more held at Topeka. Auctioneers: Wayne Hunter.

October 9 — Large amount of good quality hand tools & power tools, good quantity of quality furniture, household, glassware, figurines, bedding, kitchenwares & much more held at Abilene for John Williams. Auctioneers: Randy Reynolds & Greg Kretz.

October 11 — 2009 Cadillac CTS, 1948 Pontiac Chieftain, 1969 Olds Toronado, 1948 Dodge pickup, 70s Dodge 250 Custom pickup, 1970s Honda motorcycle, pickup camper, JD 4555 tractor, trailer, machinery & tools, furniture & collectibles & more held near Scandia for Darlyne Standley Trust. Auctioneers: Thummel Real Estate & Auction, LLC.

Online Only Real Estate & Personal Property Auction (Bidding opens October 13 for both real estate & personal property; personal property soft closes 10-19, 8 pm with real estate soft closing 10-19, 9 pm) — Selling furniture, miscellaneous household, books, collectibles. Real estate is a 2BR, 2BA home on extra large lot (items & property located in Lyons) selling for Donna Surprise. Go to [hollinger.auction.hibid.com/auctions/current](http://hollinger.auction.hibid.com/auctions/current) to bid. Auctioneers: Hollinger Online Auction.

October 13 — Real Estate auction consisting of 480 acres m/l (property located in Fall River): Prime Hunting Ranch adjacent to Flint Oak-Premier Hunting Resort. 2 parcels, 5 ponds, ranch

home, barn & shed, zoned agricultural, Indian Creek River frontage held via Live Online Webinar. at <https://bit.ly/fallriver-2>. Auctioneers: United Country Real Estate, Prestige Auction.

October 13 — 18 acres m/l of Morris County Flint Hills land with great location & access. Property has been hayed or could be building site held at Council Grove for Dwight & Carolyn Reust. Auctioneers: Griffin Real Estate & Auction.

October 13 — 157.6 acres m/l Marshall County Land (T1: 136 ac. m/l with approx. 133.3 ac. m/l of cropland; T2: 3BR, 1 BA home & approx. 21.6 ac.; T3: Combination of T1 & T2) held at Waterville for Pishny Farm, LLC. Auctioneers: Midwest Land & Home, Mark Uhlik & Jeff Dankenbring.

October 14 — Live auction consisting of 2007 JD 7830 tractor w/loader, JD HX mower, 1952 Crosley, 1968 Chev. C60 grain truck, gold rings & jewelry, tractors, trailers, mowers, vehicles & equipment, old implements, scrap iron & much more held at Mulvane for Sommerhauser Estate. Auctioneers: Sundgren Realty, Inc.

October 14 & 15 — 2-Day Horse, Carriage, Farm Primitive & Collectible auction including: buggies, boxwagon, new & used tack, saddles, sign collection, vintage tools, Dazey butter churns & much more held at Hutchinson both days. Auctioneers: Morris Yoder Auctions.

October 15 — 2018 Mitsubishi Outlander Sport SUV, 2020 JD zero-turn mower, tools, kennel items, collectibles, salvage items, antique & modern furniture, household & more held near Waterville for Karen Nordquist Tilley. Auctioneers: Olmsted & Sandstrom.

October 15 — 2008 Dodge Ram pickup, 2004 Chevy Impala, 2011 Outback by Pace enclosed cargo trailer, 2011 Lawri-more car trailer, lots of shop items, lawn & garden, fishing & camping, antique & collectible, furniture, household & more held at Scott City for Ron & Bonnie Tietze. Auctioneers: Berning Auction, Inc.

October 15 — Equipment inc.: Kubota BX 2660 4WD loader lawn tractor, International Farmall M, 1982 Allis Chalmers tractor, 1997 NH 6635 loader tractor & more, machinery, tools, household, antiques & more held at Allen for Jay & Mary Besack. Auctioneers: Griffin Real Estate & Auction.

October 15 — Guns including vintage guns, large assortment of ammo, ammo boxes, taxidermy, decoys, Western, Cowboy & Indian inc.: saddles, saddle bags, vintage saddle stirrups, holsters, badges, vintage spurs, cowboy straw & felt hats, boots, Western & Indian prints, vintage bronze, copper & silver horses, Hess-ton belt buckles & much more, Horse-Drawn wooden farm wagon, collectibles, toys & jewelry held at Salina for Roger Johnson Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

October 15 — 2008 Toyota Avalon Limited car (low miles), Collectibles & Antiques including German tea set & others, German collector plates,

silverware, china, Dresden, framed paintings, lots of crystal, costume jewelry, vintage musical instruments, vinyl records, Grandfather clock & more, Quality Furniture or all types, household, gold cart, handicap scooter, golf club, fishing rods & reels & much more held at Manhattan for Heirs of John & Luise White. Auctioneers: Cline Realty & Auction, LLC.

October 15 — Real Estate consisting of a 151 Acre Marshall County farm including wind tower income held at Marysville for Sweany Family Trust, Laura J. Pearl Trustee. Auctioneers: Pearl Real Estate & Appraisal Service, Mike Pearl broker, Dennis Rezac, auctioneer.

October 15 — Firearms, Military Surplus items including Military Medical Tent, antiques, household, vehicle, garden tractors & much more held at Abilene for John Williams. Auctioneers: Randy Reynolds & Greg Kretz.

October 15 — Real Estate consisting of a 2BR, 1BA home in quiet neighborhood close to downtown Manhattan; personal property including furniture, collectibles, crocks, glassware, Fenton & more, kitchenwares, Christmas decor, costume jewelry & more held at Manhattan for Estate of Earl (Junior) & Ilene (Pooch) Colbert. Auctioneers: Crossroads Real Estate & Auction, LLC.

October 15 — Fink Beef Genetics 36th Annual Sale held at Randolph.

October 16 — Large collection of Fenton, large amount of glassware, dolls, toys & many nice pieces of art & much, much more held at Salina for Ilene Lambert. Auctioneers: Thummel Real Estate & Auction, LLC.

October 18 & October 25 — Selling Oct. 18: Machinery & large items including skid steer, telehandlers, excavator, car trailer, construction equipment & misc., scaffolding. Selling Oct. 25: Survey equipment including trucks & electronics, trailers, scissor lift, trucks, trailers, shop items, construction & misc. & more. Both days held at Topeka for Altmar, Inc. Auctioneers: Foundation Realty, Morgan Riat.

October 20 — Large assortment of glass & collectibles inc.: crocks, pitchers, Carnival, clear glass, Fenton & more, dolls, costume jewelry, linens, furniture & household held at Burr Oak for Barbara Renner Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

October 22 — Vehicles inc.: 2001 Mercury Grand Marquis, 2009 Ford Ranger XLT, 1993 Ford F250, 1991 Excel 5th wheel camper, trailers, skid loader, antique tractors & machinery, lawn mowers & tools, guns, household, antiques & much more held at Belleville for Don Danielson. Auctioneers: Novak Bros. & Gieber.

October 22 — Tractors inc. 1949 IHC W 6, 1939 JD B, 1937 JD A, 1936 IHC F 12, 1948 Allis G, stationary engines, other engines, custom built heavy trailer, tools, parts & antique primitives, collectibles inc.: costume jewelry, watches, Hess-ton belt buckles, JD toy tractors, Depression glass & more held at Abilene for Darrel & Charlotte Kuntz collection. Auctioneers: Thummel Real Estate & Auction, LLC.

October 22 — Coin auction

Grass & Grain, October 4, 2022

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held at Emporia. Auctioneers: Swift-n-Sure Auctions & Real Estate.  
October 22 — Tractors inc.: 2003 Agco Allis RT 130, 1994 Case IH 7220 Magnum, 1967 IH 856, forklift, 2001 Gleaner R62 combine & other nice farm machinery, livestock & farm related items inc. Zeitlow cattle squeeze chute, mineral feeders, 4-wheeler, automotive supplies & so much more held at Walton for Kent Jantz Estate, Rosie Jantz, seller. Auctioneers: Van Schmidt Auction.

October 22 — Household goods, quilting supplies & misc. held at Clay Center for Marie Franson Estate. Auctioneers: Kretz Auction Service.

October 22 — 155 acres m/l Gage County, Nebraska farmland & cropland held at Summerfield for Habrich Trust. Auctioneers: Midwest Land & Home, Mark Uhlik & Jeff Dankenbring.

October 22 — Estate auction consisting of 2006 Cadillac (one owner only 76K), truck, van, collectibles, furniture, tools, household & much more held at Lawrence. Auctioneers: Elston Auction.

October 23 — Real Estate consisting of 2 BR, 1 BA home; also selling personal property inc.: 1988 Ford XL pickup, tools, shop, garden items, furniture, household items, vintage toys & instruments, kitchen, miscellaneous & more held at Alma. Auctioneers: Crossroads Real Estate & Auction, LLC.

October 24 — Live & Online Land Auction with 420 acres m/l. T1: 220 ac. m/l with 34.5 ac. m/l tillable, balance pasture; T2: 40 ac. m/l with 13 ac. m/l tillable, balance in trees & brush; T3: 80 ac. m/l heavy timber & grass; T4: 80 ac. m/l native grass, trees, pond; T5: Combine of all tracts. Held Live at Osage City with on-line bidding at [www.superiorlandgroup.hibid.com](http://www.superiorlandgroup.hibid.com) for Green Family Trust. Auctioneers: Wischropp Auctions & Superior Real Estate & Land Group.

October 25 (Online Simul-cast bidding starts October 17, 10 AM) — Land auction: 236.30 acres m/l of Dickinson County land consisting of good quality upland farmland, large stocked pond, all-season cabin, excellent hunting & more held Live at Abilene with online simul-cast bidding at [www.FNCBid.com](http://www.FNCBid.com). Auctioneers: Farmers National Company, Fred Olsen, AFM/agent.

October 28 — Butler County Flint Hills Ranch Land Auction consisting of 1,345 Acres to be sold in 4 Tracts. T1: 320 ac m/l, farm house, building, native pasture, large pond, trees & more; T2: 465.7 ac. m/l with 10-ac. watershed lake, native pasture, good fence; T3: 240 ac. m/l native pasture, brome grass, pond; T4: 320 ac. m/l native pasture, brome grass, large pond, windmill. (All tracts located between Cassoday & Burns) to sell

Live at El Dorado with Online Bidding available for the Biby Family. Auctioneers: Sundgren Realty, Inc., Land Brokers ([www.sundgren.com](http://www.sundgren.com)).

October 29 — IH 707 gas w/Case #70 loader tractor, IH 460 utility tractor, Bush Hog 207R rotary mower, riding mower, Starlite flatbed trailer & other trailer, engines inc. hit & miss, tools & collectibles, Signs inc. Coca-Cola, Co-op & others & much more held near Westphalia for Don & Shirley Miller Estate. Auctioneers: Edgecomb Auctions, Lester Edgecomb & Brady Altie.

October 29 — Estate auction held at rural LeCompton. Details soon. Auctioneers: Elston Auctions.

October 29 (New Date) — 31st Annual Bull sale held at the ranch near Wheaton for Moser Ranch.

October 30 — Consignment Gun auction to be held at Salina. Online bidding available at Proxibid.com. Auctioneers: Wilson Realty & Auction Service.

October 30 — Large Estate Auction including Antiques & Collectibles, Collectible Farm Toys & other toys inc.: Matchbox cars, lots of Barbie dolls & more, crocks, churns & lots of other items held at Seneca for Waymer Esslinger Estate. Auctioneers: Cline Realty & Auction, LLC.

November 4 — Cropland Auction consisting of 160 acres of Marshall County land (SE1/4 in 35-4-10, 4 mi. south of Vermillion) held at Centralia. Auctioneers: Rob & Tom Olmsted, auctioneers.

November 5 — Farm Auction held at rural Lincolnwood. Auctioneers: Elston Auction.

November 5 — Irvine Ranch Annual Production Sale held at the Ranch, Manhattan, 1 PM.


November 12 — Large Farm Toy auction consisting of Pedal Tractors, Collector Farm tractors: Case/Case IH, IH/Farmall, Ford/Versatile, Massey, Joe Ertl, WFE, Oliver, M-M Cockshutt, AC; combines, other toys & banks, 50+ farm manuals & more held at Beattie for Sam Cassidy. Auctioneers: Olmsted & Sandstrom.

November 12 — Land Auction consisting of 148.6 acres m/l of Washington County acreage with 137.6 ac. m/l dry crop, 1.8 ac. m/l native grass and 9.2 ac. m/l tame grass held at Marysville for Raymond Pacha. Auctioneers: Prell Realty & Auction, LLC.

December 3 — St. James Catholic Church Consignment auction accepting consignments for farm equipment, construction equipment, vehicles, hay, farm supplies, hedge posts, livestock equip., estates, etc. held at Wetmore. Proceeds support St. James Church. To consign contact Bill Burdick, Ron Burdick.

April 8, 2023 — Fink Beef Genetics 37th Annual Sale held at Randolph.

**REAL ESTATE & PERSONAL PROPERTY AUCTION**  
**SATURDAY, OCTOBER 15, 2022**  
TIME: Personal Property @ 10:00 AM & Real Estate at 12 NOON  
AUCTION LOCATION: 631 Rannells Road, MANHATTAN, KS



**DESCRIPTION**  
Potential is the key word for this property. On the main floor of this home you will find a 2 bedroom/1 bath layout. With a full partially finished basement there is additional living space to enjoy. Outside you will find a quiet neighborhood where this property sits that still allows for easy access to downtown Manhattan.

**SELLER: ESTATE OF EARL (JUNIOR) & ILENE (POOCH) COLBERT**  
REAL ESTATE TERMS: Property sells AS IS, WHERE IS. 5% non-refundable down payment is required day of sale by check. Buyer must be able to close on or before November 15, 2022. Buyer needs bank letter of loan approval or funds verification. Cost of Owners Title Policy to be split equally between Buyer and Seller. Buyers are responsible for understanding all zoning, building and other regulations associated with the property prior to the day of auction. All announcements day of sale take precedence over written materials.

**PERSONAL PROPERTY: 10:00 AM**

**FURNITURE:** Metal glider; picnic table; patio table w/4 chairs; China hutch; microwave & cart; round oval dining table & chairs; bar stools; office chair; matching dresser & chest of drawers; Pride lift chair; floor lamp; sofa; Drexel wardrobe; end tables; dresser w/mirror; full size bed; cedar chests; quilt rack; lamps; full size brass bed; old wood rocker; child's park bench; waterfall cedar chest; 50's dining table.

**COLLECTIBLES:** Vintage wood sled; Aladdin lamps & others; large brass bell; cast iron cornbread pan; kerosene lamps; curio cabinet; quilt; sad irons; cuckoo clock; dolls; Beam football decanters; 10-gal Red Wing crock; 6 gal. salt glazed crock; misc. glassware; knick knacks; horse figurines; crock jug; pictures; old pop bottles; lg. copper pot; sev. glass baskets; crystal; Fenton; Moon & Stars; sterling trivets; lg. Aladdin glove lamp; LaVase. **KITCHEN:** Corningware; sm. kitchen appliances; Tupperware; pots & pans; cookbooks; white dishes; silverware; kitchen utensils; lots of misc. kitchen items. **MISC.:** Garden tools; 2 man saw; old air compressor; pet carriers; dog cage; Christmas décor; T-posts; luggage; yard & other sewing items; costume jewelry; metal lockers; exercycle; organ; smoke stand; Dirty Devil vacuum.

**Check us out on Facebook & Online for more info [www.kscrossroads.com](http://www.kscrossroads.com) [www.facebook.com/KScrossroadsauctions](http://www.facebook.com/KScrossroadsauctions)**

**Jessica Hollenbeck**, Listing Broker, 605-890-0895  
**Andrew Sylvester**, Auctioneer, 785-456-4352  
**Terri Hollenbeck**, Broker/Owner, 785-223-2947

**REAL ESTATE & PERSONAL PROPERTY AUCTION**  
**SUNDAY, OCTOBER 23, 2022**  
TIME: Personal Property @ 12 Noon & Real Estate & Truck at 1:30 PM  
AUCTION LOCATION: (Held Onsite) 407 Ohio St., ALMA, KS



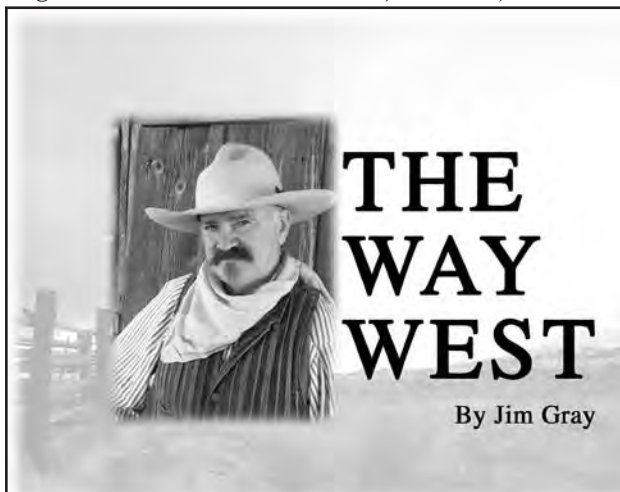
**DESCRIPTION**  
This neat 2 bedroom, 1 bath property sets right in the middle of Alma close to main street and the city park. Along with a great location, the home comes with a spacious backyard and a detached single car garage/workshop!

**REAL ESTATE TERMS:** Property sells AS IS, WHERE IS. 5% non-refundable down payment is required day of sale by check. Buyer must be able to close on or before November 23, 2022. Buyer needs bank letter of loan approval or funds verification. Cost of Owners Title Policy to be split equally between Buyer and Seller. Buyers are responsible for understanding all zoning, building and other regulations associated with the property prior to the day of auction. All announcements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the Seller.

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### A Bold Desperado

They say that Curly Walker came down to Wichita from the "Hell on wheels" end-of-track frontier towns of Hays City and Ellsworth. At Wichita he was known to run

with another "Curly," John "Curly" Marshall, also a graduate of the tough little hole they called Ellsworth. Marshall was said to have killed at least one man in Ellsworth. He sur-

rounded himself with a gang of questionable characters, usually found loafing around one of Wichita's drinking houses. Curly Walker was one of his closest friends.

Walker was a man of large frame, coal black eyes, full black beard, and long curly hair flowing from under a broad-brimmed sombrero. Clad in buckskin with a pair of six-shooters strapped to his waist, Walker at once filled the bill as an ideal hero of a dime novel.

But Walker was not the good guy in a white hat. Curly Walker was, without a doubt, a desperate man. It was said that he placed no higher value upon the life of a fellow being than that of a fly. To contradict him meant a fight to the death, and as he was a desperate man, he was feared by all who knew him.

Marshall and Walker surrounded themselves with recognized desperate characters. It seemed their main goal in life was to get drunk, get in a row, and shoot the lights out of something. Shooting was a favorite pastime. At the Buckhorn Tavern and hotel operated by Henry Vigus and his wife, boarders included cattlemen, merchants, gamblers and a few of Marshall and Walker's friends. At dinner the boys especially enjoyed

throwing dishes in the air and shooting at them with blazing six-shooters, all while never leaving their place at the table.

An article in the June 20, 1889, *Wichita Beacon* recalled that there was but one person in the town that dared to rebuke them for their conduct, and that was Mrs. Vigus. "These desperadoes, who would not hesitate to kill a man upon the least provocation, respected the only woman in the camp, and were as obedient to her commands as though she were a sister or mother..." Mrs. Vigus was no matronly woman. She was twenty-three. Almost everyone on the frontier was young. "Whenever (the boys) became too hilarious and began shooting through the roof, she would enter the room and, after mildly rebuking them with, 'Boys, ain't you ashamed of yourselves?' every six-shooter would instantly go back into its holster."

Ike Elder accidentally discovered the most persuasive way to gain respect from the "sporting." Elder had been elected the first marshal of Wichita in 1870. He had a reputation as a dead shot, but according to an old-timer quoted in the *Wichita Beacon* of March 10, 1890, Elder "couldn't hit the side of a barn fifty feet away."

His reputation began with a ride along Chisholm Creek (about where Interstate 135 crosses 21st Street). Elder came upon Curly Walker shooting at an oyster can with Jack Ledford, another well-known desperado. The can was on a post "fully one hundred feet away." Both men were crack shots, but this day neither one had hit his mark. Riding up, Elder questioning called out, "Let me try a shot at it?" In that instant he raised his six-shooter and sent a bullet into the center of the can. The boys were truly impressed! So was Elder!

A few nights later Elder entered the Spirit Bank saloon to find a member of the gang showing off a new six-shooter. He handed it to Elder to examine, and as Elder grasped the pistol it accidentally discharged. The bullet struck a picture on the wall, passing through the eye of the great General Sheridan! Thinking quickly, Elder confidently offered to bet twenty-five dollars that he could do it again. The bluff worked and "the most desperate men... treated him with the utmost respect."

Walker may have respected Marshal Ike Elder, but no matter who it was, when push came to shove Walker would never back down from a fight. How-

ever, Walker made a fatal error when he rustled cattle from Captain John H. Wemple. Not knowing who had taken the cattle, the Captain tracked them to a ranch near Fort Dodge. There he was told that Curly Walker had brought them in.

Walker was gambling in a saloon, dressed in his finest gambling attire, when a messenger informed him that Captain Wemple was calling him out. Mounting his horse, he galloped away to meet the challenge. In a cloud of dust his horse slid to a stop in front of Captain Wemple with rifle in hand.

Walker stepped effortlessly from the saddle and the fight was on. Bullets from two Navy six-shooters filled the air. Captain Wemple jacked his rifle, sending lead toward the bold outlaw. The horse collapsed from a bullet to the heart. Walker dived behind the dead horse and Wemple took refuge behind a wagon. Suddenly Walker charged forward, but he tripped over the wagon tongue. Wemple fired his final shot and Curly Walker, the bold desperado, died as he had lived 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](http://kansascowboy@kans.com).

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**WELCOME TO G&G — A RURAL NEWSWEEKLY**

Grass & Grain, a farmers' newsworthy, has been published in Manhattan, Kansas for over 60 years. The G&G community looks to the Tuesday publication for timely, accurate information.

## 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 2151. HOGS 134**

<b>BULLS: \$118.00-\$127.00</b>	17 blk Wakefield	650@186.50
<b>COWS: \$87.00-\$96.00</b>	26 blk Longford	707@186.00
	9 blk Longford	618@185.00
<b>STEERS</b>	38 blk Wakefield	762@185.00
400-500 \$211.00 - \$220.00	55 mix Minneapolis	798@183.75
500-600 \$185.00 - \$194.50	16 blk Hutchinson	611@183.00
600-700 \$178.00 - \$188.00	24 mix Beverly	831@182.00
700-800 \$175.00 - \$186.00	60 blk Hope	892@181.60
800-900 \$173.00 - \$182.00	26 blk Tampa	779@181.00
900-1,000 \$165.00 - \$176.50	20 mix Tescott	659@179.50
<b>HEIFERS</b>	26 mix Tescott	742@179.50
300-400 \$173.00 - \$183.00	15 blk Longford	775@178.50
400-500 \$175.00 - \$185.00	10 blk Gypsum	856@178.00
500-600 \$159.00 - \$169.00	66 mix Randolph	877@176.50
600-700 \$165.00 - \$174.00	30 blk Florence	853@176.50
700-800 \$163.00 - \$172.75	50 mix Beverly	919@176.50
800-900 \$160.00 - \$171.00	23 blk Ellsworth	839@175.50
	18 mix Minneapolis	914@174.50

**THURSDAY, SEPTEMBER 29, 2022**

<b>STEERS</b>	<b>HEIFERS</b>
2 blk Lindsborg 405@220.00	3 blk Wamego 462@185.00
3 mix Salina 403@220.00	6 mix Abilene 358@183.00
2 blk Wamego 438@217.00	14 mix Minneapolis 649@174.00
2 blk Wilson 415@211.00	20 blk Ellsworth 778@172.75
2 blk Salina 423@209.00	12 blk Clifton 722@172.00
5 char Miltonvale 481@197.50	6 blk Longford 602@172.00
11 blk Lindsborg 480@197.50	12 char Randolph 803@171.00
5 blk Salina 476@195.00	21 blk Assaria 559@169.00
30 blk Lindsborg 562@194.50	6 blk Newton 745@168.00
4 blk Wamego 505@194.50	18 blk Longford 701@168.00
14 blk Tipton, MO 573@191.00	67 mix Assaria 779@167.75
3 blk Salina 547@189.00	13 mix Hutchinson 616@167.00
14 blk Tipton, MO 648@188.00	4 mix Beloit 681@166.00

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

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

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

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

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

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

**CATTLE USA.com LIVE CATTLE AUCTIONS**

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

6 blk Salina 697@165.00	1 blk Beloit 1830@115.50
9 mix McPherson 798@165.00	1 blk Lindsborg 1970@114.00
12 blk Florence 758@165.00	1 blk Lincoln 1995@113.00
65 mix Tampa 795@163.00	

**MONDAY SEPTEMBER 26, 2022**

<b>HOGS</b>	<b>COWS</b>
1 sow Clyde 720@60.00	1 blk Lost Springs 1725@96.00
1 sow Tampa 540@55.00	1 blk Salina 1685@94.50
22 fats Galva 265@53.75	1 char Durham 1730@94.00
6 fats Olsburg 252@52.50	1 rwf Beloit 1340@93.00
13 fats Tescott 303@51.00	1 blk Great Bend 1215@93.00
3 sows Clyde 543@50.00	1 blk Salina 1725@92.00
3 fats Alma 270@50.00	1 red Salina 1505@92.00
	2 blk Lost Springs 1418@91.50
<b>CALVES</b>	1 blk Great Bend 1425@91.00
2 blk Inman 168@350.00	5 blk Salina 1703@90.50
1 bwf Claflin 110@300.00	1 blk Salina 1355@90.50
1 red Abilene 70@300.00	1 blk Hope 1718@90.50
1 red Inman 130@300.00	2 blk Lost Springs 1273@90.00
1 red Concordia 100@275.00	1 red Tampa 1595@89.50
	1 red Abilene 1340@89.50
<b>BULLS</b>	1 bwf Solomon 1495@89.50
1 blk Gypsum 2045@127.00	3 blk Salina 1427@89.50
1 blk Lindsborg 1715@121.50	1 blk Ramona 1630@89.00
	1 blk Durham 1425@89.00
	1 blk Assaria 1390@89.00

**SPECIAL COW SALE!!!**  
**TUESDAY, OCTOBER 18, 2022 \* 11 AM**  
*Bred Cows, Bred Heifers, Bulls, Cow Pairs, Heifer Pairs*

2/2 black heifer pairs, Balancer sired calves; 8 bred heifers; 10/10 young pairs; 10 mostly young spring bred cows, bred red; 45 black/bwf, 2-9 years old, spring calvers, start calving 3/7/23; 80 black cows, 4-8 years old, bred black; 23 3-8 years old, bred Red Angus Buchman bulls, calving November & December; 100 black cows, 4-7 years old, spring calvers, bred Angus; 50 black cows, 4-7 years old, bred Angus, start calving February; 40 black/red, 3-5 years old, spring calvers, bred Angus; 50 black/red cows, 3-6 years old, bred black/red, spring calvers; 25/25 mostly black pairs, 3-5 years old, exposed back, some 3 in 1 packages; 11 bwf/wf cows, 5 years old, bred to High Performance Balancer bulls.

**PLUS MORE BY SALE TIME**

**EARLY CONSIGNMENTS FOR THURSDAY, OCT. 6:**

40 steers & heifers, 700-800, off grass, vaccinated, home raised; 170 steers & heifers, 400-600, home raised, 30 days weaned, vaccinated; 62 mostly red steers & heifers, 500, 2 round vaccinations, weaned 45 days, open, bunk & hotwire broke, 230 80% black steers, 775-825, natives & Wyoming origin; 40 heifers, 800, off grass, open; 24 steers & heifers, 700, home raised, weaned; 60 mostly black steers, 850; 120 black/red steers, 800, off grass, native; 60 steers, 850, off grass;

**PLUS MORE BY SALE TIME.**

**IN STOCK TODAY:**

- Heavy Duty Round Bale Feeders
- Heavy Duty Feed Bunks

**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.**

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 Schaefer 620-381-1050 Durham, KS  
Kenny Briscoe 785-658-7386 Lincoln, KS  
Kevin Henke H: 785-729-3473, C: 785-565-3525 Agenda, KS  
Austin Rathbun 785-531-0042 Ellsworth, KS

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

Since 1966  
**Farmers & Ranchers Livestock**  
Salina, Kansas