

Grass & Grain changes ownership



Grass & Grain publisher Tom Carlin has announced the sale of the newspaper to Donna and Ken Sullivan, who will become just the fourth owners in the paper's 69-year history. The sale was effective July 3, 2023. Sullivan has been the editor of Grass & Grain since 2010 and was named managing editor in 2018.

"I was extremely pleased to sell the newspaper to Donna since it enables a seamless operational transition," Carlin said. "Our readers will continue to enjoy thoughtful coverage of Kansas agriculture and advertising that meets their needs."

Grass & Grain was founded in 1954 by Albert Horlings as a free publication for Koenig Sale Barn, now Manhattan Commission Company. It was sold to E.R. Woodward and Dean Coughenour in 1958. Carlin became a minority owner in 1986 and eventually the sole owner.

"Dean admired Donna's work as editor, and I am sure he would be very pleased by this transaction," Carlin said.

Sullivan appreciates the staff that works so hard each week to help put the paper out. "We have a phenomenal group of people here, and their dedication is what helps make the paper what it is," she stated. "Renee Whitney and Kevin Macy have been here

for more than four decades, and Kezia Shibler for eight years. Briana McKay and Luisa Honeywell are newer, but prove themselves every day and have been great additions to the team. Knowing we will continue to work side by side was a big factor in the decision to move forward." Sullivan said she has also appreciated the support of her husband and family, as well as the readers and advertisers of Grass & Grain

"Being able to take this next step means a great deal to me," Sullivan commented. "It has been an honor to serve agriculture in Kansas and the surrounding states for the past thirteen years, and I look forward to continuing to do so for many years to come."



KDA announces **Resilient Food Systems** Infrastructure program

The Kansas Department of Agriculture has been awarded a \$6.46 million cooperative agreement with the U.S. Department of Agriculture Agricultural Marketing Service's Resilient Food Systems Infrastructure (RFSI) program.

The purpose of the RFSI program is to build resilience across the middle of the supply chain and strengthen local and regional food systems by creating new revenue streams for Kansas producers. Funds will support expanded capacity for the aggregation, processing, manufacturing, storing, transporting, wholesaling, and distribution of locally and regionally produced food products, including specialty crops, dairy, grains for human consumption, aquaculture, and other food products excluding meat and poultry. This program is intended to provide similar support to other programs which provided USDA funding for meat and poultry processing, but this program is focused on sectors other than meat and poultry.

KDA will work in partnership with USDA to make competitive sub-award infrastructure grants to Kansas food and farm businesses and other eligible entities, including nonprofit organizations, local government entities, tribal governments, and institutions such as schools and hospitals.

KDA is soliciting feedback from interested parties to identify funding priorities. Two listening sessions will be held on July 6, 2023, to gather input. There is also an online public comment form available. For more information, visit agriculture. ks.gov/RFSI or contact Brittney Grother, KDA grants coordinator, at Brittney.Grother@ks.gov or 785-564-6797.

The vision of the Kansas Department of Agriculture is to provide an ideal environment for long term, sustainable agricultural prosperity and statewide economic growth. The agency will achieve this by advocating for sectors at all levels and providing industry outreach.

Wheat harvest 2023 progresses despite delays and late start just slightly below aver-

Kansas wheat harvest is 46% complete, well behind 80% last year, and behind 63% for the five-year average, according to the official statistics provided by the USDA's National Agricultural Statistics Service in its crop progress report for the week ending July 2, 2023. Winter wheat conditions rated 51% very poor to poor, 33% fair and 16% good to excellent.

"This wheat crop will be remembered for facing challenges from start to finish with the final Kansas total production being the lowest in decades," Kansas Wheat CEO, Justin Gilpin said. "After two years of drought, it is good to finally get some relief, it just came at the wrong time in many places for this year's wheat crop. These challenges that have been plaguing the 2023 wheat crop highlight the need for access to advanced technologies in wheat production and management." Hot temperatures through July 4th meant farmers were in the fields ahead of the widespread showers that moved in on the evening of the July 4th holiday.



The Kansas wheat harvest is well behind both last year and the five-year average, but some producers saw better yields than they expected. Photo courtesy of Kansas Wheat

during the 4th of July teins in the 12.5 to 14 per- wheat crop in the area was July 1st, having started on weekend, several produc- cent range.

ers were cutting wheat. Last year, during the wheat crop was very dis-

abandoned. Although this June 15th. He adds that 85-

90% of his county has also

Only one of his farmers has been able to get into the fields after these recent rains. The wheat crop is shaping up to be very minimal so far - almost 95% of dryland wheat acres were abandoned in the area. With wheat harvest only having just begun on Tuesday, June 27, and more rain in the forecast, wheat harvest might extend much further into the

age. There was very little

abandonment in the area,

about 5-10%, due to the

challenges of the spring freeze and hail. In addi-

tion to freeze damage and

hail being an issue, thin

wheat stands caused weed

pressure to be more prev-

Sublette Co-op in Haskell County, said harvest has

just really gotten started.

Kendall Poland, of the

alent.

In Ness County at the D.E. Bondurant Grain Company, Gary Gantz said Friday and Saturday were particularly busy days, especially for the Riverside location. Gantz predicted harvest will continue into late July.

Gantz stated farmers in the area who had not terminated their wheat were seeing slightly better yields than what they had initially thought. Yields ranged from 25 to 35 bushels per acre, with decent test weights and high pro-

2022 wheat harvest, which was another dry year for the Kansas wheat crop, Gantz recalled they only received about 50% of their normal amount of wheat With the already dry conditions following 2022, the 2023 crop was off to less than ideal conditions that continued into harvest. This harvest, the elevator is seeing a mere 25% of normal wheat quantity. About 40-50% of the planted 2023

appointing, with these late rains, Gantz noted the elevator remains optimistic for currently growing fall crops. One such rain event brought as much as three inches of rain.

Derek Sawyer, a Kansas Wheat Commission board member located in McPherson County, reports that he wrapped up his 2023 wheat harvest on finished their harvest for this year.

"I had some really bad double crop that averaged 20 bushels per acre," Sawyer said, noting his overall crop average was 48 bushels per acre.

An outstanding variety for Sawyer was WestBred 4699. His protein was 14 percent, with test weights in the 58-60 pound range, calendar than what anyone is used to.

Despite the slow start to harvest, Poland remarked how much of a blessing these rains have been to this parched area of Kansas. Hailstorms have torn through the area causing damage to corn and cotton acres. Although the hail wasn't large, there was a lot of it.

Engaged Kansas coalition grows with addition of KARL, KBA Engaged Kansas has With more than 6,000

added Kansas Agriculture and Rural Leadership (KARL) and the Kansas Bankers Association (KBA) to its coalition of organizations that are encouraging and supporting civic-minded individuals to consider local public service.

"There are many great organizations across Kansas developing resources for citizens to run for and engage in local civic government," says Brenden Wirth, Kansas Farm Bureau director of political affairs. "Engaged Kansas is a hub for these like-minded organizations to share those tools."

Other Engaged Kansas partners include the Chamber of Commerce Executives of Kansas, Kansas Association of Counties, Kansas Association of School Boards, Kansas Chamber, Kansas Farm Bureau, Kansas Leadership Center, and League of Kansas Municipalities.

"Engaged Kansas is a beacon of hope and inspiration for all who believe in the power of engaged citizenship," says KARL president Jill Zimmerman. "Fostering and creating a culture of civic-minded leadership is a must-do for Kansans who dare to lead and serve. Empowering individuals to become catalyst of positive change, driving progress, and creating a more vibrant and inclusive Kansas for all is an effort we are proud to support."

elected positions on school boards, county commissions, and municipal governments across the state, Engaged Kansas exists to demystify the process of becoming a public servant while helping develop leaders who will drive progress from the ground up

"The banking industry recognizes the importance of political engagement in every Kansas community and is invested in keeping those communities strong and vibrant," says Doug Wareham, president and CEO of the Kansas Bankers Association. "KBA is proud to partner with the Engaged Kansas coalition dedicated to encouraging local leaders to step forward and accept the challenge of public service in every corner of Kansas."

Since its launch in February, more than 1.100 visitors to www.Engaged-Kansas.org have learned how they can best help their community through the nonpartisan, nonpolicy resources offered by these partner organizations.

Abilene home to 'Best Roadside Attraction'



As if being the World's Largest wasn't enough, Abilene's World's Largest Belt Buckle was recently named 'Best Roadside Attraction' in the 2023 TravelAwaits' Best of Travel Awards

"We're beyond excited for the World's Largest Belt Buckle to receive its first award. Wherever I go, people ask about the buckle," said Julie Roller Weeks, Abilene Convention and Visitors Bureau director. "This project has ignited an immeasurable amount of excitement, publicity and visitation that we hope will continue for years to come."

This recent announcement joins Abilene's impressive list of 2023 awards, including Best Social Media Campaign by Midwest Travel Network, Best Small Town to Visit in the U.S. by TravelAwaits, Best Historic Small Town by USA TODAY and Top 10 True Western Town of the Year by True West Magazine.

At 19 feet 10 ½ inches wide and 13 feet 11 ¼ inches tall (not including the frame), the World's Largest Belt Buckle was unveiled December 21, 2022. It is located at 400 N Pine St in Eisenhower Park. To learn more, visit www.worldslargestbeltbuckle.com.



Modern Farm Communication

By Kim Baldwin, **McPherson County farmer** and rancher

Summertime on the farm is in full effect. We seem to awaken a bit earlier with the sun to accomplish tasks before the heat of the day sets in. We also seem to go to bed much later to take advantage of the extra daylight.

It's a constant state of "go-go-go" most days right now with an occasional slowdown if a rain shower pops up.

After going through the items of the day over coffee, my husband is usually the first one out the door. We are generally going different directions for the majority of the days right now, but we're always touching base with quick phone calls and text messages.

Sometimes the text messages between us consist of a brief "OK" or a thumbs-up emoji. Sometimes the text is simply a link to a news article one of us finds interesting. Other times it's a silly Tik-Tok or Facebook Reel we know will give the other a good chuckle.

Many times the text message thread between us includes silly GIF responses.

A perfect example of our daily communication during this time of the year was when I recently texted a selfie of me with a thumbs up showing my husband I had successfully backed a truck to and hooked a trailer to the ball

hitch without any help – a task I like to remind him I am fully capable of accomplishing.

"One try," I included in the text message accompanying the photo.

His response: A black and white GIF of battle-worn actor Gerard Butler playing King Leonidas from the movie 300 with the words "MY QUEEN."

Another example was when we were looking for a small part needed for the planter. When I thought I had found the item I texted him a picture of it with "Is this it?" in the message.

While his response was a quick, "Yah," I responded back with a GIF of a crowd wildly applauding. I've had many times in my adult life that I have

reflected on how lucky I am to be living in this era. I often wonder how those before me handled life in general, let alone life on the farm without all of the modern tools, technologies and conveniences.

Constant communication on our farm is a necessity to ensure we are as productive and efficient with our time as possible, especially during these busy summer days.

I truly don't know how those before us successfully communicated and maintained relationships during the busy summer farm days of yesteryear. I just know that I am truly thankful for the ability to instantly communicate with my husband, which allows us to not only efficiently accomplish tasks, but also allows us to provide quick words of affirmation or encouragement through silly animations, videos and emojis via text messages that help us navigate our busy summer days on the farm together.

"Insight" is a weekly column published by Kansas Farm Bureau, the state's largest farm organization whose mission is to strengthen agriculture and the lives of Kansans through advocacy, education and service.

Farmer sentiment rebounds on more optimistic view of future The Purdue Universi-

ty/CME Group Ag Economy Barometer index improved in June, rising 17 points to a reading of 121. The upswing in sentiment was driven by producers' more optimistic view of the future; however, their perception of current conditions remained unchanged from May. The Index of Future Expectations rose 25 points to a reading of 123, while the Index of Current Conditions held flat at a reading of 116 in June. The Ag Economy Barometer is calculated each month from 400 U.S. agricultural producers' responses to a telephone survey. This month's survey was conducted June 12-16.

"Optimism about U.S. agriculture's future and a more sanguine interest rate outlook help explain producers' more positive view of the future expressed in June's survey; however current conditions in the farming economy continue to present a challenge for some producers," said James Mintert, the barometer's principal investigator and director of Purdue University's Center for Commercial Agriculture. "This month four out of ten producers stated that their financial situation has deteriorated compared to a year ago."

To better understand the large month-to-month swing in producers' expectations for the future, responses between the May and June surveys were compared. In June, 20% of respondents said they expected their financial condition to improve over the next year, compared to just 13% who said that in May. Meanwhile, only 32% expect their farm's financial situation to decline over the upcoming year, compared to 44% who responded that way in May. Producers' improved perspective on the future was not focused solely on their own farms, but extended to all of U.S. agriculture. The percentage of producers expecting good times for U.S. agriculture in the next five years rose 8 points to 33%, while the percentage of producers expecting bad times fell 3 points to 41%.

The Farm Financial Performance Index also rose this month, up ten points from May, and was likely a result of a late-May to early-June rally in harvest-time prices for corn and soybeans, as well as optimism toward positive returns for cattle producers. In June, 50% of respondents said they expect "good times" for livestock producers in the next five years, up from 37% in May. Optimism about positive returns for cattle producers, especially cow-calf operations, was likely a key factor behind the positive livestock outlook.

The Farm Capital Investment Index rose five points in June to a reading of 42: however, nearly 75% of respondents still feel now is a bad time to make large investments in their farming operation. Respondents in June cited rising interest rates (35% of respondents) and increasing prices for equipment and new construction (37% of respondents) as key reasons for viewing now as a bad time for investments.

Producers were more optimistic about farmland values in June as both the short and longrun farmland value indices rose. The short-term index, which asks producers about their outlook over the next 12 months. jumped 16 points to a reading of 126, its highest reading since last November. Meanwhile, the long-term index, which asks producers to look ahead five years, rose a more modest 6 points to a reading of 151, pushing that index up to its highest level since February 2022. Additionally, 43% of producers in the June survey think interest rates have peaked, and nearly a quarter of survey respondents expect to see lower interest rates within the next year.

The survey also included a question targeted toward corn and soybean producers regarding their expectations for farmland cash rental rates in 2024. Twenty-five percent of the corn/soybean producers in this month's survey said

Country Chuckles by Jonny Hawkins

they expect 2024 cash rental rates in their area to rise above 2023's rates. Of those respondents who said they expect rental rates to rise, nearly one-third (32%) said they expect 2024 rental rates to increase up to 5%, while nearly half (49%) look for rates to rise from 5% to 10%, when compared to 2023.

The survey included questions to learn more about producers' thoughts on the passage of a new farm bill. Among corn and soybean producers, the Crop Insurance title and the Commodity title remain the two most important farm bill components. When asked about expectations for PLC reference prices for corn and soybeans, half of corn and soybean producers said they expect Congress to raise prices for both. In response to the recent Supreme Court ruling, which upheld California's Proposition 12 mandating housing standards for hogs processed into pork that will be sold in that state, all survey respondents were asked about the likelihood Congress would overturn

the proposition as part of a new farm bill. Producers were split in their response to this question, with 36% stating it's either somewhat or very unlikely that Congress will try to overturn the proposition, and 25% stating it is at least somewhat likely Congress will take on Proposition 12 in new farm bill legislation. Read the full Ag Econ-

omy Barometer report at https://purdue.ag/agbarometer. The site also offers additional resources - such as past reports, charts and survey methodology – and a form to sign up for monthly barometer email updates and webinars.

Each month, the Purdue Center for Commercial Agriculture provides a short video analysis of the barometer results, available at https://purdue. ag/barometervideo. For more information, check out the Purdue Commercial AgCast podcast available at https://purdue.ag/ agcast, which includes a detailed breakdown of each month's barometer and a discussion of recent agricultural news that affects farmers.

Bull stolen in Morris County

A KLA member has had a 22-month-old Red Angus bull stolen in Morris County. The bull was taken some time during the last three weeks from a pasture southeast of White City. It has a KC brand on the left hip and an orange ear tag in the left ear that carries the number J210.

KLA is offering up to



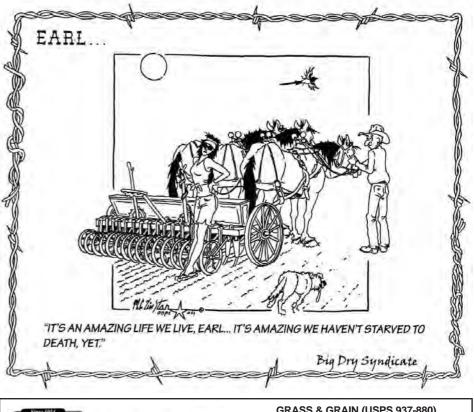
Did you ever have one of those days you wondered why you even tried? I have a lot of them, so it is a real doozie that stands out, mine was the Fourth of July. In hindsight, maybe I should just skip over the Fourth from now on. A year ago, Jennifer and I spent Independence Day in a motel in Omaha waiting to go in for my second hip replacement early the next morning. I love the Fourth and maybe it means I should just not work on that day. I had some brome I had mowed down and needed to rake and bale. The festivities in Wamego started with a parade at 6:00 and fireworks at 10:00. If everything went smoothly, we could make it without much trouble. Assuming things could go without much trouble was my first, most fatal mistake. Actually, things went very well right up until noon. I got started raking hay and had the first field raked by noon. Jennifer was going to pick me up for lunch then take over the raking duties while I baled. When she picked me up for lunch I had more raked than I had planned on and was feeling good about my chances of making the parade. I shut the tractor off and hopped into the pickup; Jennifer had lunch in the oven, life was good. The pickup would not start. I am still not sure what the problem was, but it would not even try. The pizza in the oven had about ten minutes to go and I started calling neighbors for a rescue. The third person was the one I got and in twenty minutes we were home to a slightly charred pizza. No worries, we were not too far off of schedule. Jennifer dropped me off to get the tractor and baler out of the shed. That is when the second bump in the road occurred. The front tire on the tractor was flat. This being a holiday, the chances of getting it fixed were about as good as making an ice cream cone last more than a minute. I decided to air the tire up and see how it was. It seemingly held, I borrowed a portable air compressor and got out and checked it every half hour or so. Did I mention that the forecast called for heavy rain that night? Finally, I was baling. Oh yeah, the air conditioner compressor had gone out

earlier in the week and was still out because we were waiting on parts. It was a little warm in the cab. The net wrap did not want to work very well either and that meant getting in and out several times. This did allow me to check the tire and cool off. You know it is bad when it feels like it is twenty degrees cooler outside the cab. Also, during this time, the rake stopped working for Jennifer and required some attention, but we got that going. It was apparent that I was not going to make the parade. I wasn't sure I wanted to go after sitting in my own personal sauna for several hours. I was now on gallon number two of water. It didn't matter, the end of the field and the end of brome season was in sight. One field after this and I would be done with that for the year. Despite the heat and dust, I was feeling good. I just had two or three more acres to go, and all of this would be a satisfying memory after the rain. I failed to mention that Jennifer tried the truck after she got done raking and it started right up. Good to get it home, not so reassuring that it won't happen again. I took it as a sign that my day was turning around. Then it happened. A couple of loud knocking noises and boom, I was done ... finished... kaput. I don't know what happened, if I picked something up, hit a wet patch of hay or what but the main drive shaft broke. It was at that point that I realized that I should have taken the holiday off and maybe not even gotten out of bed. I am not sure what the grand sum of all the breakdowns will be, but it will be a considerable amount. That night I watched the fireworks from my front lawn as a thunderstorm was rolling in. My zeal for going anywhere to see them had long since gone away. It was kind of cool and I was glad I was not going to have to drive home in a thunderstorm. The rain dampened some of the pain of the breakdowns and the hay getting wet but not all of it. I do know this, next year I am taking Independence Day off and doing something relaxing. I might just pull the covers over my head and not get out of bed.



"It's not male pattern baldness. Somebody is lousy at shearing."

\$5,000 for information leading to the arrest and conviction of the thieves. The reward program only applies when the producer is a KLA member. Anyone with information on the bull should contact Mary Ann Kniebel at (620) 767-2180.





785-539-7558 Fax 785-539-2679

Editor/Publisher — Donna Sullivan gandgeditor@agpress.com

> Advertising Staff -Briana McKay briana@agpress.com

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Grass & Grain, July 11, 2023 Page 3 **Ottawa County Soil Health Field Days planned for July 25, 26**

Together with the Ottawa, Clay, and Dickinson County Conservation Districts, the Kansas Soil Health Alliance is hosting two days of soil health learning on July 25th and 26th in Ottawa County. Each day will run from 8:30 a.m.-3:30 p.m. beginning and ending at the Wells Community Center in Wells. Both days will include multiple visits to area fields being managed to improve soil health followed by lunch and afternoon presentations in the air-conditioned community center. The event will feature Jay Fuhrer, educator at Menoken Farm, a 150-acre conservation demonstration farm owned and operated by the Burleigh County Conservation District near Menoken, North Dakota. Established in 2009, the farm focuses on using systems approach management to improve soil health and enhance erosion protection. Through his work at Menoken Farm and prior to retir-

ing from the Natural Resources Conservation Service as a soil health specialist, Jay is known for developing the five principles of soil health. Candy Thomas, NRCS regional soil health specialist for Kansas, Nebraska, Iowa, and Oklahoma, will also be present both days providing three decades of soil health experience in the high plains. Field tours will show different cropping and grazing systems. Each stop has been in minimum-tillage or no-till for greater than five years, but their implementation of other management practices will vary. Some have grown and grazed cover crops, others have spread manure, and others have experimented with diverse rotations and different crops. Easy, in-field soil health tests will be performed at stops demonstrating how to quickly assess soil health properties. Each stop will provide an opportunity to learn from the farmer, Jay Fuhrer, Candy

Thomas, and each other. Afternoon presentations and demonstrations at the community center will follow up on observations and discussions from field tours. A rainfall simulator will be used to illustrate the differences in infiltration, runoff, and erosion for various soil management systems. Presentation topics will include the soil health principles and their implementation at Menoken Farm and ways to increase carbon in the soil.

Both days will include time for open conversations. Attendees are encouraged to come ready to ask questions. This event is free and open all ages. Attendees can attend one or both days. To get an accurate meal head count, RSVP is appreciated by July 17th. Registration can be completed online at www.kssoilhealth.org or by calling Jennifer at the Kansas Soil Health Alliance at 785-545-5628.

Increase in fatalities and injuries from agricultural confined spaces highlights need for effective management and training

Last year saw a roughly 40 percent increase in the number of reported cases involving agricultural confined spaces, according to the 2022 Summary of U.S. Agricultural Confined Space-Related Injuries and Fatalities recently released by the Purdue University Agricultural Safety

ly used summary docufrequency and causes of entrapment incidents in and provides a historical analysis of agricultural

summary are Yuan-Hsin Mahmoud Nour, postdoccultural Safety and Health

In 2022, the summary

30x40x10 GARAGE PAY AS LOW AS (2) 9x8 Ins. GARAGE DOORS STEEL BACK 537,250 115 MPH WIND LOAD (2) 3x3 Wi

entrapments in over a decade. According to the authors, grain entrapments are the most common type of agricultural confined space incident.

"In the summary, an issue we try to point out is the role of out-of-condition grain in grain entrapments," Sheldon says.

livestock waste handling facilities, entanglements inside confined spaces, falls from confined space structures and grain dust explosions or fires.

Iowa reported the most agricultural confinement cases, at 24, and grain entrapment cases at nine. One female case was documented, which occurred inside a cotton module builder.

Sheldon says, agricultural workplaces throughout the country."

He adds, "We strongly encourage farmers and agribusiness employers to recognize the hazards presented by confined spaces such as grain bins, silos and manure storage facilities, and use best management practices and effective training programs to keep their families and employees safe."

Sheldon urges farmers and agribusiness employers to utilize the educational resources outlined in the summary, pointing them to other programs

like Gearing Up for Safety, also from Purdue's Department of Agricultural and Biological Engineering. This program offers a youth-oriented curriculum, also related to the hazards associated with agricultural confined spac-





Loretta Shepard, Helena, Oklahoma, Wins Grass & Grain Recipe Contest & Prize Winner Loretta Shepard, Helena, Oklahoma:

PEACHES & CREAM CHEESE LOAF 8 ounces cream cheese, softened

1/2 cup butter (1 stick)

1 1/2 cups sugar

- 1/2 tablespoon lemon zest
- 2 eggs

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- 2 1/4 cups all-purpose flour
- 1 1/2 teaspoons salt
- 1 tablespoon baking powder
- 1 teaspoon cinnamon (optional)
- 1 cup milk

15-ounce can sliced peaches, drained & diced

Preheat oven to 375 degrees. Grease a standard bread loaf pan. In a large bowl cream together cream cheese and butter. Add sugar, eggs and lemon zest; beat until light and fluffy. In a small bowl combine flour, baking powder, salt and cinnamon. Once thoroughly combined slowly add the dry ingredients and milk to wet ingredients and fold in peaches. Transfer batter to prepared loaf pan and bake 50 to 55 minutes or until an inserted toothpick comes out clean. ****

Kellee George, Shawnee: "Good on crackers." SEAFOOD SALAD SPREAD 6-ounce can crabmeat or shrimp, drained 2 tablespoons chopped dill pickle 2 tablespoons mayonnaise 1/2 teaspoon lemon juice In a bowl combine all ingredients; mix well. Refrigerate. *****

Andrea Van Genderen, Topeka: QUICK PASTA **E FAGIOLI**

Ι<Α

PAXICO

1/2 pound cooked, seasoned ground beef (like leftover taco meat) 1 onion. diced 1/4 cup butter 1 teaspoon salt 1/2 teaspoon pepper 1/2 teaspoon red pepper flakes 2 tablespoons brown sugar 1/2 teaspoon oregano 1 tablespoon garlic paste 1 tablespoon parsley paste (from refrigerated herb aisle in grocery store) 1 bay leaf

(2) 15-ounce cans Veg All, drained (785) 636-5345 PH Paxico, KS 66526

INSURANCE FARM•RANCH Agency We Work For Yon





15-ounce can pork & beans, undrained

24-ounce jar of Passata (Mutti brand)

32-ounce box of beef broth 3 ounces (1/2 package) of small shell pasta (Moderna brand)

Saute onion in butter until soft; add ground beef. Add salt, pepper, red pepper flakes, brown sugar, oregano, garlic paste, parsley paste and bay leaf. Stir until warm, 1-2 minutes, then add Veg All, Pork & Beans, Passata and beef broth. Stir until well-combined; bring to a simmer, cover with lid tilted and simmer 30 minutes. Toward the end of this time bring 2 cups water to boil in small saucepan and cook pasta shells until almost tender. Strain pasta, reserving water. Add pasta to soup, taste and add pasta water until desired consistency and taste.

Rose Edwards, Stillwater. Oklahoma:

- **BEAN & CORN SALSA** 15-ounce can black beans, drained & rinsed
- 1 can whole kernel corn, drained
- 1 cup diced tomatoes, drained
- 1/2 cup chopped green onions
- 1/2 cup Italian dressing 1 tablespoon cilantro

Mix all ingredients. Serve with chips or good over grilled meats. Refrigerate what you don't use.

Jackie Doud, Topeka: PEACH COBBLER **DUMP CAKE**

1 box yellow cake mix

Soy Flour Is Heart-Healthy, Protein-Rich

BLOOMINGTON, Ill. - Soy flour is one of the few plant proteins considered a "complete protein," meaning it contains all the essential amino acids that the body requires.

Cargill is known for the processing of meat and dairy products but has expanded to include more soy-based ingredients in its products. Soy flour is a multi-functional ingredient that is full of protein and can enhance flavors in baked goods, which sparks new, innovative ways to add these healthy ingredients into food.

According to Cargill, their Prolía® soy flour helps to create a better crumb structure, makes the dough more elastic and easier to work with, increases water retention and can replace eggs. Additionally, Prolía® soy flour can significantly increase the shelf-life of baked products because of its film-forming properties.

Todd Main, ISA's Director of Market Development, said, "Soy is a key component to feeding hungry Americans - whether that's through soy-fed animal protein or protein-rich soy products. In either form, ISA and Illinois soybean farmers are proud to support efforts to encourage protein-rich diets worldwide.'

For more ideas on how to incorporate soy foods into your diet, check out our Sustainable Good newsletter at https://www.ilsoy.org/category/sustainable-good/.



(3) 15-ounce cans sliced peaches in syrup with juice 1 stick butter, sliced thin

Cool Whip Pour peaches into a 9-by-13-inch pan. Sprinkle dry cake mix over top. Drop butter slices over top. Bake at 350 degrees for 30-45 minutes or until tests done. Let cool. Serve with Cool Whip.

Millie Conger, Tecumseh: ZUCCHINI TOTS

2 cups diced zucchini, drained & patted dry with paper towels

1/2 cup seasoned bread crumbs

1/4 cup shredded Cheddar cheese 1/4 cup minced onion

1 egg

Dash salt & pepper

Mix all ingredients together. Roll into small rounds (should get about 8 or 9). Place on parchment-lined cookie sheet. Bake at 350 degrees for about 18 minutes or until tops are golden brown. *****

Kimberly Edwards. Stillwater, Oklahoma: **BACON DIP**

16 ounces sour cream 1-ounce package dry Ranch dressing mix

3 ounces Real Bacon pieces, purchased from store

1 cup shredded Cheddar cheese Mix all ingredients to-

gether. Best refrigerated 10 hours before serving. Serve with crackers or chips.

THE REAL PROPERTY AND Carlyon Road provided us with an amazing place to grow up. We had ample opportunities for our imaginations to run wild and adventures that kept us entertained for days on end. We tended to spend most of our time playing outside, regardless of the temperature. In the summer we would hook a sprinkler up underneath the trampoline and jump until we could not jump any longer. We would also have friends come over and join in our water wars, using a stock tank as a pool, and filling more water balloons than necessary. In the winter we would sled down the massive hill next to our house and then come into the house to warm cookies or brownies. Other than the Fourth

of July, we never really did much with our neighbors. They were always super-kind and welcoming, but with most of them being quite a bit older than us (kids) we tended to do our own thing and they did the same. When I was younger, I always craved and hoped that someday I would have neighbors like Mr. Wilson on Home Improvement or like Kimmy Gibbler on Full House, or even friendships with neighbors like those between the Flintstones and the Rubbles.

When I went to college, was still hoping for that, but honestly between work and school, I was more of a recluse than a good neighbor. When I bought my first home, I just knew that my neighbors were surely going to be my new best friends, but instead I had neighbors on one side of me that never left their homes; being elderly, their son brought them everything. On the other side, I had the neighbor who would not even wave at me. Clearly not the neighbors I had dreamed of. After I sold my first house, I bought my second house and was pleasantly surprised by the neighbors there. Both sides were incredibly kind, but still not what I had envisioned.

Once I made the deci-



sion to move to Topeka to live with Kyle, I was both excited and vet incredibly nervous for so many things, but hoping the neighbors could be everything I had ever wished for was one of those things I thought about a lot. I quickly learned they would be everything I could have imagined or dreamed of when I thought about what a good neighbor looked like. They welcomed me with open arms and even offered to cater for our wedding. You read that right, they catered for our wedding, and it was delicious!

They take care of my cats when we leave town. They are always willing to sit outside and chat, and when the weather is right there is a great chance for smores by the bonfire. When I get a notification that something was delivered, they are more than willing to go grab the heat-sensitive items and keep them safe until I get home. They bring us treats and fresh eggs and they are quick to say yes when I have a new recipe I want someone to try and if I happen to be out of sugar, they all jump in quickly to offer some up. They are also willing to try to teach me how to DIY things, something I have always wanted to do.

I knew I was lucky when I found Kyle, though I was unaware how lucky I was going to be in the neighbor department, but friends, these people are amazing. They made the transition of living in Topeka that much easier and have all quickly became some of my favorite people in town.

Michele grew up in Junction City and graduated from Kansas State University. She worked in the restaurant management field and then as an office manager for a company that manufactures oilfield products. She is currently the payroll manager at Washburn University. Her passion for blogging and food can be followed on Instagram: boobsbrainsandbaking.

If you would like to contact Michele with comments please email mcarlyon88@ gmail.com



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



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Avoid Unwanted Guests At Your Next Family Gathering!

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

Summer is officially here! Picnics are the perfect way to enjoy good weather, good company, and good food throughout the summer. One runin with food poisoning, though, can ruin your summer fun.

Most people love a picnic and the food that goes with it. Grilled chicken, hamburgers. deviled eggs, and potato salad are all picnic favorites, but with picnic food comes an increase in food-borne illness. Remember to clean, separate, cook, and chill your foods while at your summertime get-together.

During summertime get-togethers, people may become less careful with food. People are enjoying each other's company at their family reunion or picnic, and they forget how much time has passed while the food has been sitting out. People go back and snack on foods hours after it has been served. Foods that need to be kept hot or cold may be at tempera-

tures ripe enough for bacteria growth and can cause a food-borne illness. Additionally, bacteria can double in numbers about every fifteen minutes depending on how high the heat is.

Another reason foodborne illness seems to increase this time of year is due to hand-washing. Whether this be that hand-washing facilities are not as plentiful, or that people do not wash their hands as often as needed while enjoying the great outdoors. It is recommended that you carry moist towels or instant hand sanitizer to avoid spreading dirt and germs from your hands to your food if hand-washing facilities are not available.

Remember these four steps to keeping food safe during your summertime get-togethers: clean, separate, cook, and chill.

Clean: Keep your foods clean, wash fresh fruits and vegetables and store them away from uncooked meats and other uncooked foods. Keep utensils used to grill food separate from serving utensils

Separate: Do not use the same platter or utensils for uncooked and cooked foods. Pack hamburgers in plastic bags that can be tossed after placing them on the grill to avoid cross-contamination with ready-to-eat foods. Prepare as much food at home and ahead of time as possible. Avoid storing or transporting uncooked foods and ready-to-eat foods in the same cooler if possible.

Cook: Cook foods to their respective internal temperature to destroy any harmful bacteria. Use a meat thermometer inserted into the thickest part of the meat. Cook all raw beef, pork, lamb, veal, chops, and roasts to a minimum temperature of 145 degrees. For all raw ground meats cook to 155 degrees. All poultry should be cooked to a minimum internal temperature of 165 degrees.

Chill: Cold foods like deviled eggs need to be kept cold at 41 degrees or colder. The best way to check is with a food thermometer. Food should not be sitting out for more than 2 hours, or even 1 hour with temperatures over 90 degrees. Keep items cold with ice or a cooler. Maintain hot foods warmth with some type of food warmer or on a warm grill to the side of the hot coals to prevent overcooking. Check the temperature with a thermometer to assure it is within the safe ranges. Hot foods hot at 135 degrees or above and cold or below.

If there isn't a way to food shouldn't be left off ice or out of refrigeration for longer than two hours. Bacteria grows at temperatures between 41 degrees and 135 degrees F and can grow even faster at temperatures of 70 degrees to 125 degrees.

This summer enjoy your family and friends without unwanted guests. Clean, separate, cook and food, friends and possibly a few fireworks at your gatherings.

If you have questions about this or any other topic related to nutrition, food safety or health please contact Holly Miner at haminer@ksu.edu or call 620-331-2690.

Prairie Gal Cookin Recipes and Ramblings from the Farm

Grass & Grain, July 11, 2023

Bountiful Summer Gardening

By Ashleigh Krispense

Summer is officially upon us. The sun is scorchfoods cold at 41 degrees ing during the afternoons, shady spots around the yard are now the best placcheck the temperature, es to be, and ice cream sandwiches straight from the box are the snack of choice.

> We were blessed with a safe wheat harvest and now the days are beginning to find a somewhat calmer pace. Last night, a beautiful rain storm moved through and gave the corn and soybeans a much-needed drink.

Back home, the garden is continuing to provide chill while enjoying good our plates (and fridge!) with fresh produce. Redand-white-flowering pole bean plants have been working their way up to the top of the cattle panel arch at the front of my garden. Beneath it lies a pathway made of concrete stepping stones, handy for walking on when the ground has become too soft.

> On one side of the archway, you'll find raspberries hanging from leafy, green branches. Beside the berry patch, a small apple tree borders the edge of garden, while a tall, sturdy peach tree stands guard along the north edge. On the opposite side of the archway lies another apple tree and a wild blackberry bush, bearing thorns you won't want to tangle with

Throughout the rest of the garden, a variety of tomatoes, peppers, corn, bush beans, okra, and retiring potato plants are planted in their various rows. As the season has gone on, I've been collecting inexpensive tomato and pepper plants, which I continue to plant in empty spots throughout my garden. Now I have a maze of them in various stages of growth; all the way from large, bushy plants, to small ones just getting established.

In the past, I've planted a wall of sunflowers along the east side of my garden. While cheery blooms would greet passersby, they also served another purpose: privacy, while I worked in the dirt! However this year, enough volunteer plants popped up amongst the grass and weeds that I was able to scoop them up and transplant into a border along the edge. Once again, you can see yellow flowers popping up here and there amongst the wall of stalks as they reach towards the sky.

As the summer pushes on, the ever-present dance of juggling not only garden care and watering, but now also the usage of the produce it offers, continues to be present. We've enjoyed stir-fried peppers and onions, green beans cooked in a cast-skillet, and cream cheese-filled poppers made with fresh peppers. When time allowed. I even put sliced jalapeños in a brine and canned them for later use on tacos or in my favorite BBQ beans. I even tried canning a few jars of banana peppers, with hopes that will turn out as tasty as the ones I enjoy on pizza.

Hopefully your area is getting the rain you need, and your garden is doing well. If you have any suggestions for things to make or some favorite ways to can tomatoes and peppers, feel free to send them to me at contact@prairiegal cookin.com. I could use the input!

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

Grab And Go: Organize Important Documents Before Disaster, Says Expert

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

MANHATTAN -Nobody ever really expects to be a victim of natural disaster

But The National Oceanic and Atmospheric Administration (NOAA) reports that since 1980, the United States has sustained 355 weather and climate disasters at an average expense of \$57.8 billion per year.

As of May 8, NOAA reports, there have been seven confirmed weather or climate disasters in the U.S., each exceeding at least \$1 billion in losses.

Americans can't change the weather, but in addition to keeping themselves safe, they can be prepared to recover financially from disaster, says Kansas State University family resource management specialist Elizabeth Kiss.

'One of the best things to do is to start or add to what's being called a 'Grab and Go' box," Kiss said. "If bad weather is approaching ... and you need to evacuate your house, you just from any eventual loss."

Items that should be stored in a Grab and Go box, according to Kiss, include originals or paper copies of such items as:

- * Birth certificates.
- * Social security cards.
- * Marriage certificates.
- * Passports.
- * Driver's license.
- * Credit cards.
- * Titles for vehicles. * Insurance policies,

particularly property insurance

* Household inventory.

Then, consider some personal items such as photos, letters and various keepsakes, and even a small amount of money. The box should be waterproof and/or fireproof, Kiss said.

"We have become very dependent on things being online, but depending on the severity of any sort of emergency, we may be able to recover faster with paper copies," Kiss said. 'We just don't know."

Preparing a household inventory and building a Grab and Go box may seem daunting, but Kiss says it begins by doing just a lit-

"In terms of the house-

hold inventory, we recom-

tle bit at a time.

of a room at a time," she said. "Something is better than nothing. You can even videotape documents with your phone these days, or take pictures... that's a start. You do need to have some documentation about when things were purchased and what their value was, but video or pictures is a start. Then be sure you take your documentation from your phone and store it in a way electronically that you can access it if something were to happen to your phone."

Kiss also suggests talking with insurance agents to make sure you're adequately covered for loss to the home and personal property; and consider storing copies of your important documents off-site - such as in the home of a trusted friend or relative.

"Much of this is records that you would be keeping anyway," Kiss said. "(A Grab and Go box) is a form of record keeping, and it's just being proactive to have it in one place in case

More information on

preparing important doc-

of an emergency.

publication, Get Financially Prepared: Take Steps Ahead of Disaster.

Information is also available online from K-State Research and Extension, and from the

Get Financially Prepared: Take Steps Ahead of Disaster, ksu.edu/pubs/MF3055.pdf

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https://www.ready. ment), gov.

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uments ahead of disaster mend starting with one room, or even one part is available in the K-State Research and Extension

take the box with you and go, and you'll have the things you need to recover



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Grass & Grain, July 11, 2023 Page 6 Soybean field investigation: why are my soybeans yellowing? Yellowing leaves on isn't enough to get to the sis and treatment. high.

soybeans? That has to be a potassium deficiency, right? Maybe not. While yellowing in the middle or upper canopy is usually a sign of potassium deficiency, it could mean something worse is lurking below the soil surface. Often, a superficial glance

root of the problem.

"Symptoms don't always lead us to the cause of those symptoms," said Matt Montgomery, Pioneer field agronomist.

Going through a checklist to eliminate potential causes provides the best chance at proper diagno-

1:30 p.m.: Open Class Horticulture & Crops Judging, Ne

<u>6:00 p.m.</u>: Swine Judging, Orrin Hogan Arena <u>6:00-10:00 p.m.</u>: Carnival Attractions by Great Plain

Thursday July 27

9:00 a.m.: 4-H/FFA Horse Show, Orrin Hogan/Rodeo Arer 10:30 a.m.: "Meet Us At The Fair", Sponsored by Cla

7:30 p.m.: Free Snow Cones courtesy of Citizens Nat. Ban

6:00-10:00 p.m.: Carnival Attractions by Great Plain

Friday, July 28

9:00 a.m.: Decorated Cake & Decorated Cupcakes Judging

10:00 a.m.: Poultry Judging, Rabbit & Poultry Barn (or in

2:00 p.m.: Project Auction entry deadline. All 4-H project

including livestock, except beef, must consign project auc tion exhibit to Fair Office

3:00 p.m.: Bucket Calf Interviews & Showmanship, Orr

6:30 p.m.: FREE Ice Cream Social, courtesy of Clay Coun Farm Bureau, in front of New Exhibit Hall

7:00 p.m.: FREE water courtesy of Chamber of Commerce

7:00-7:45 p.m.: Slagle Dance Studio, In front of Stage Are

8:00 p.m.: 4-H Beef project auction entry deadline due t

8:00-11:00 p.m.: Tate Stevens, FREE Concert on Stage

6:00-10:00 p.m .: Carnival Attractions by Great Plai

Saturday, July 29 8:30 a.m.: Round Robin Showmanship, Livestock Arena

10:00 a.m.-12:00 p.m.: FREE Horseback Rides, Spo

<u>11:00 a.m.-12:00 p.m.:</u> Kiddy Tractor Pull registration <u>12:00 p.m.:</u> Kiddy Tractor Pull

1:30 p.m.; Registration for Corn Hole Tournament, \$30 p

4:30 p.m.: 4-H Awards Presentation, Orrin Hogan Arena.

Kiss the Critter Contest, Following 4-H Awards Presentation

5:30 p.m.: Decorated Cake & Project Auction, Orrin Hog

6:00 p.m.: 4-H & FFA Livestock Auction, Orrin Hogan Are

6:00-10:00 p.m.: Carnival Attractions by Great Plair

by Cowboys for Christ, Rodeo Arena

team, (pre-registration begins June 1) <u>2:00 p.m.:</u> Corn Hole Tournament

10:00 a.m.: 4-H/FFA Livestock Judging Contest, Orri

4:00 p.m.: Decorated Bucket Calf, Orrin Hogan Arena

6:00 p.m.; Beef Judging, Orrin Hogan Arena

8:00 a.m.: Rabbit Judging, Rabbit & Poultry Barn

mediately following Rabbit Judging) <u>1:30 p.m.:</u> Dairy Cattle Show, Orrin Hogan Arena

8:30 a.m.: 4-H Pet Division Check-in, New 4-H Bldg 9:00 a.m.: 4-H Pet Judging, New 4-H Bldg

4:00 p.m.: Meat Goat Judging, Orrin Hogan Arena

5:00 p.m.: Dairy Goat Judging, Orrin Hogan Arena

6:00 p.m.: Sheep Judging, Orrin Hogan Arena

6:00 p.m.: RK Goat Ropings - Registration 6:30 p.m.: RK Goat Ropings - Practice

7:00 p.m.: RK Goat Roping Competition

2:00-5:30 p.m.: 4-H Bake Sale, New 4-H Bldg

Amusements (Armbands)

County 4-H Ambassadors

Amusements (Armbands)

Extension Office

Hogan Arena

Fair Office

Fairgrounds

Hogan Arena

Orrin Hogan Arena

Clay County Farm Bureau

Amusements (Armbands)

Herbicide damage, fungal disease and pest pressure can also lead to yellow leaves. If those are ruled out, the answer could be underground. Soybean cyst nematodes (SCN), the tiny, worm-like parasites, can decrease yields substantially without inducing obvious symptoms. However, SCN can produce yellow leaves when populations are

"Soybean cyst females love to feed on the root material of plants," Montgomery said. "They slowly suck away water, photosynthate and nutrients. We don't usually see above-ground symptoms of SCN unless the ground is under stress and the field has a high level of SCN."

SCN management comes in two forms: Preventing the infestation of

Keep your operation running

nematode populations in infested fields.

Preventing the infestation of fields by rotating resistant soybean varieties is the first step. If infestation has already occurred. early identification is crucial to developing an SCN management plan for profitable soybean production. Stopping or slowing the spread of SCN can prevent losses in the follow-

The SCN Coalition provides the following recommendations for developing an SCN management plan:

Test fields to know the numbers Rotate resistant

varieties •

Rotate to nonhost crops

٠ Consider using a nematode protectant seed treatment

2023 CLAY COUNTY FAIR • July 25-30 Schedule of Events: 1:00 p.m.: 4-H Horticulture & Crops Judging, New 4-H Bld 1:00 p.m.: Open Class Photography Judging, New 4-H Bld

- PRF-FAIR -Sunday, June 18 2:00 p.m.: 4-H Favorite Food Show, Clay County Extension

Office Meeting Room Saturday, June 24

9:00-11:00 a.m.: 4-H Favorite Food Show, 4-H Building. Friday, July 7

2:00 p.m.; RVED 4-H Entomology & Geology Judging, Cloud County Extension Office Saturday, July 8

9:00 a.m.: River Valley 4-H Combined Dog Show, Cloud

County Commercial Building, Concordia Tuesday, July 11

9:00 a.m.: 4-H Prince & Princess Judging, RVED Clay Cener Extension Office

Tuesday, July 18 8:45 a.m.: 4-H Visual Arts, Clothing, Fashion Revue, Fiber Arts, and Photography Judging, United Methodist Church

8:30 a.m.-1:00 p.m.: 4-H Photography Judging Contest, United Methodist Church 7:00 p.m.: Public 4-H Fashion Revenue, Clay Center United

Methodist Church Family Life Center Wednesday, July 12

8:00 p.m.: Rodeo, Rodeo Arena Clay County Fairgrounds Thursday, July 13 8:00 p.m.: Rodeo, Rodeo Arena Clay County Fairgrounds

Friday, July 21 5:30 p.m.: Fairgrounds Clean-u

Saturday, July 22 8:00-9:00 a.m.: Open Class Horse Show Entry

9:00 a.m.: Open Class Horse Show, Rodeo Arena Sunday, July 23

7:00 p.m.; FREE Gospel Concert, "Girl's Next Door", Stage at Fairgro

— Fair – Tuesday, July 25

2:00 p.m.: 4-H Cloverbud Exhibit Judging, River Valley District-Clay Center Office Meeting Room 6:00-7:00 p.m.: Enter all exhibits except Foods. Floriculure, Horticulture & Crops, Pets, & Livestock. Poultry & Rabbits check-in

Wednesday, July 26 8:00-8:30 a.m.: 8:00-8:30 a.m.: Enter Market Swine (Breedng Swine check-in with superintendents) 3:30-10:00 a.m.: Enter all other Livestock (Breeding Sheep Goats check-in with superintendents) 9:00-10:00 a.m.: Enter Market Beef Steers at Salava Vet Clinic (Breeding Beef check-in with superintendents) 8:00-10:00 a.m.: Enter Open Class Foods, Catholic Parish Center, 730 Court St 8:30 a.m.: 4-H Wildlife & Forestry Judging, Exhibit Hall 9:00 a.m.: Trash Can Judging 9:00 a.m.: Open Class Clothing & Textiles Judging, New 4-H Bldg 2:00 a.m.: 4-H Energy Management Judging, New 4-H Bldg 9:00-11:00 a.m.: Enter 4-H & Open Class Floriculture, Horticulture & Crops, New 4-H Bldg <u>9:30 a.m.</u>: 4-H STEM Judging, New 4-H Bldg 9:30 a.m.: 4-H Individual Projects, Reading & Shooting Sport Judging, New 4-H Bldg <u>9:30 a.m.</u>: Open Class Ceramics, Crafts & Paintings Judgna. New 4-H Blda 10:00 a.m.: Open Class Foods judging begins at Catholic Parish Center, 730 Court St. 10:30 a.m.: 4-H Woodworking Judging, New 4-H Bldg. Open Class Woodworking Judging will follow completion of 4-H Woodworking judging in New 4-H Bldg) 10:30 a.m.: 4-H Club Projects Judging, New 4-H Bldg 11 a.m.-2:00 p.m.: Open Class Bake Sale, New 4-H Bldg 1:30 a.m.: 4-H Floriculture Judging, New 4-H Bldg 11:30 a.m.: 4-H Foods Judging (except decorated cakes), Catholic Parish Center, 730 Court St.

Amusements (Armbands) Sunday, July 30 9:00 a.m.: Cowboy Church, Orrin Hogan Arena 11:30 a.m.: Livestock Exhibits Released 11:30 a.m.-2:30 p.m.: Fairgrounds Livestock Area Clean-u 12:00-1:00 n.m.: All Other Exhibits Released 1:00-2:30 p.m.: Exhibit Buildings Clean-up 12:30 noon; Open Class Floriculture Judging, New 4-H Bldg

Carnival Wristbands - <u>\$25/ea</u> Good for Wednesday-Saturday only

Will be available at our Fair Office Monday, July 24th - Wed. July 26th until Noon, then can be bought at the carnival ticket booth.

> -----**4-H Food Stand will be open:**

> > Wednesday - Saturday

9 a.m.-3 p.m., and 4:30 p.m.-10 p.m. Hamburgers • Hot Dogs • Pork Burgers • Chips & more!

Specials:

Wednesday: Fajita Salad. Thursday: Fajita Wrap. Friday: Taco Salad. Saturday: Walking Taco.

Farmers are encouraged to conduct a midyear "farm tune-up" as they ap-proach the middle of 2023. Just as farm equipment needs the occasional tuneup, farm management practices can use proactive examination and adjustment to keep an operation on track for the rest of the year.

University of Missouri Extension recommends five steps for a midyear farm tune-up:

agricultural Revisit budgets

Check enterprise budgets to evaluate projected costs and returns and adjust as needed. By checking the pulse of their operations and using budget calculators, farmers can make management decisions to maximize profits.

production Annual

budgets for a range of crop, livestock and forage enterprises are available. There are also customized budgets for southeastern Missouri agricultural enterprises. including cotton, peanuts and rice. Budgets are available for free download at www.muext. us/MissouriAgBudgets and www.muext.us/SEMOAg-Budgets.

Evaluate on-farm labor Effectively managing labor and maintaining a qualified workforce can help keep farms running smoothly and ready to act on growth opportunities. As part of a farm's midyear tune-up, MU Extension agricultural economist Ryan Milhollin suggests evaluating current labor needs and assessing employee relations.

"Hiring and keeping

smoothly with a midyear 'tune-up' good farm labor can be a challenge for operators of all sizes," said Milhollin. "Having a solid management plan to find and reward productive agricultural workers can position farms for success.

Extension team members recently developed a suite of how-to videos, checklists and resources for farm labor management that can help operators attract, hire and retain farmworkers. Resources are available at www.mizzou.us/farmlabor. **Compare custom service**

rates

Whether farmers are seeking custom services or offering services to clients, keeping track of current rates is another component of the midvear farm tuneup. Find median rates for a multitude of farm services by checking the MU Extension guide "Custom Rates for Farm Services in Missouri," available for download at www.muext. us/customrates.

This free guide is developed using a statewide survey, conducted every three years, that gleans insights on field work, planting, fertilizer and chemical applications, harvesting and hauling, heavy equipment jobs and more.

Prepare for succession planning

Transition and succession planning is another critical area for farm operations. Farmers should consider conversations and planning steps to allow for ease of transitions in the farming business. To help families navigate this process, MU

sheets, guides and videos. Download these tools at www.muext.us/farmsuccessionresources. Reflect on farm lease arrangements Before wrapping up a

Extension has developed

resources, including work-

midyear farm tuneup, take quick inventory of current farm leasing arrangements. Communicate with your landowner or tenant about changes to current agreements. Farmers and landowners might be surprised to know that multiple leasing options exist to meet their unique needs, beyond traditional fixed cash or crop-share leases. MU Extension specialist Juo-Han Tsay encourages operators to consider flexible cash leases when revisiting agreements.

"Flexible cash lease agreements allow landowners and tenants to split risks and return more equitably given uncertainty and fluctuation in input costs and prices," said Tsay

Tsay and colleagues developed a primer for flexible cash leasing arrangements. Download "Flexible Cash Leases in Missouri" for free at www. extension.missouri.edu/ g422.

University of Missouri Extension offers producers a range of decision-making tools and workshops to support farm business management and agricultural landowner decisions. Learn more at www.muext.us/AgBusiness and find us on Facebook at www.facebook.com/Ag-BusinessMU.

ONLINE AUCTION (2021 Keystone Cougar 368MBI Premium Fifth Wheel)

Bidding is OPEN NOW & Will begin to close on Thursday, 7/20/23 at 2:00 PM

PREVIEW: By appointment only. Give us a call to schedule a time. PICKUP: The camper is located near Lincolnville, KS (address will be provided for early preview and pickup)

DESC: We are offering a 2021 Keystone Cougar 368MBI Premium Fifth Wheel, 39'4" in Length, 4 Season Camping, 4 Slide Outs, Queer Bed, Queen Bed Fold Out Couch, Island Kitchen, Fridge, Stove Heated Theatre Seating, Tri Fold Sleeper Sofa, Camper Sleeps 10, Ir Command Climate Control, Solar Ready, Climate Guard Protection Outdoor Capital Grill, Tons of Storage, LED Docking Lights, Lipper Electronic Leveling, Two Awnings 16' and 11', Manufactured in 2020 Opening Bid: \$63,000.00. Go to our website for a link to bid online

Thursday, July 27, 2023 @ 7:00pm Dyck Arboretum of the Plains, 177 W Hickory St., Hesston, KS Tract 1: The West 22+/- Acres of the S/2 of the SW/4 of 16-22-1, Hesston, KS 22 +/- acres total 19 Ac +/- Tillable, 3 Ac +/- with buildings Location: 704 W Hickory St., Hesston, KS 67062

40x80 Morton Building with attached office space, con-crete throughout and overhead doors.

Tract 2: The North 23+/- Ac of the NW/4 of the NE/4 of 34-22-2, Halstead, KS

23 Acres +/- total all tillable

Located on48th St, 1/2 mile west of Halstead Rd.

316-644-4937

Ray Swearingen-Broker

FARM & RANCH REALTY, LLC

SELLER: Hesston College Micheala Fry-Sales Agent

785-452-8498

HORIZON

1-888-825-1199

www.horizonfarmranch.com

Approx. Taxes: \$810.52 on 22+/- acres

Open House: Sunday July 16th from 2-4pm

Approx. Taxes: \$1,042.86 on 23+/- acres

Possession subject to tenant rights. Cash rent and taxes prorated to date of closing. Online bidding available!

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POST FRAMED POLE BARNS AND STUD FRAMED SHOP BLDGS FULLY FINISHED.

SHOP HOUSES, IMPLEMENT BLDGS, HAY BARNS & SO ON.

GIVE CARL A CALL TODAY: 785-370-3189

and give us a call if you have any questions. For full listing, terms & photos GriffinRealEstateAuction.com

CHUCK MAGGARD GRIFFIN 🔊 Sales/Auctioneer Cell: 620-794-8824 one: 620-273-6421 Fax: 620-273-6425 ANDY PHIPPS, Auctionee 620-794-1673 Office: Heidi Maggard 305 Broadway, Cottonwood Falls, KS 66845 griffinrealestateauction@gmail.com inda Camphe

Tuesday, August 1st, 2023 @ 7:00pm Where: The Finch Theatre, 122 E. Lincoln Ave., Lincoln, KS

76 Acres +/- in Lincoln County

Excellent Tillable and Timber.

Just in time for hunting season.

Productive tillable with great hunting in a secluded area on the Spillman Creek.

Taxes are \$719.38 on 76.4 taxable acres

37 Acres +/-, NW4 less RD & RR R/W and 39 Acres +/-, NE4 SW4 less RR R/W Section 30 Township 11 Range 08, Lincoln County, Ks.

FSA Information ~ 62.81 Farmland Acres

60.03 Cropland Acres Enrolled in PLC Base/Yield

PLC ~ Wheat base 46.19/46 Sorghum 4.57/69 Soybeans 7.56/33

Possession upon closing, subject to tenant rights.

Online bidding available. Complete details on website.

SELLER: Mary Margaret Steinhaus

HFR are Seller's Agents

Clint Heller - Agent Cell # 785-545-5737 Ray Swearingen - Broker # 785-452-8498



HORIZON FARM & RANCH REALTY, LLC 1-888-825-1199 www.horizonfarmranch.com



Loose Necks and **Red Necks**

One of my fond memories is of my old recently departed friend Duane, who I helped move back to his boyhood home east of Mena. Arkansas in the early 1980s. He had recently helped me rebuild the rear differential in my '77 F250 so I figured I owed him a favor, agreeing to haul a load of his stuff under the camper shell I had bought from him.

That drive itself was quite an adventure with the gooseneck hitch coming loose at Coffeyville when crossing a train track, due to the borrowed trailer hitch being larger than the ball in Duane's truck bed, theretofore unknown to him. That trailer only stayed with the truck because the tailgate was shut, and those hound dogs scampered around that bed to avoid getting hit. We had to completely unload and reload the trailer, putting more weight in the front, with the horse, in order to keep the hitch from popping off again, and splice the wiring back together in order to avoid getting stopped by an Okie State Trooper in the middle of the night for no lights. So here we are in a roadside lot with a couple of coon dogs tied to one truck, a horse tied to the side of the trailer. and tool boxes, along with various and sundry other shop and household possessions scattered about while rearranging the entire load. The trailer was open topped and that rig really did look like the Beverly Hillbillies driving down the road.

We stopped for coffee in the parking lot of a truck stop near Muskogee around midnight, and after having no further "detachments" during the harrowing drive through Tulsa, we were ready for a break. Relaxing over the hood of his truck, drinking coffee from my Stanley thermos, we were enjoying the break, and so were the dogs. As we stood there in the night air about a hundred feet from the highway, a semi with an empty lowboy trailer clattered by. About a minute later, a truck tire came rolling through the lot at about 30 mph, missing us by about ten yards, and continued to the end of the gravel lot where it jumped a railroad tie, rolling up a berm and hitting a chain link fence before flopping over. Duane and I both watched that tire roll by, speechless, until it fell over, and looked at each other.

There was a trucker parked right next to us who was sitting in the cab filling out his log book. "Hey!" he spoke up. We both turned to look up at him. Wide-eyed, he asked, "Did y'all see a tar?!" We both broke out laughing, confirming we had indeed seen the tire! "Good!" he exclaimed. "Cuz. I seen a tar!" He got on the CB radio and called, "Hey, Lowboy! You lost sumpthin'!"

We walked over and got the renegade tire upright and rolled it back out, and after the lowboy returned, we helped load and secure it on the trailer. We never

uttered a word about our own mishap a few hours prior.

We arrived at his parents' home near Cherry Hill at 4:30 a.m. after an all-night drive hauling a horse and those two 'coon hounds I had given to him, because my wife and I were going to be moving soon also, to where we would not be able to keep them.

After a good nap in the truck, Duane went to the house, looked back and waved me in. His mom fed us a monstrous breakfast, and after visiting over coffee, she brought us each a towel and a bar of soap. "You'll be cleaning up down at the river." I looked at Duane and he confirmed, grinning at me, "You bet. Ain't done that since I was a kid." I wasn't arguing, as it had been a long hot 24 hours and I was expecting to leave an oil slick in the river.

I made the return trip home much faster than we had arrived, and on the

way back I took a different route to avoid Tulsa. Somewhere near Miami there was a countryside gas station where I stopped to fuel up, take a restroom break and grab a snack. As I entered the store, there was a small room addition off to one side with the biggest Alligator Snapping Turtle I have ever seen in my life. I mean this thing had a head the size of a Rottweiler and I would estimate could have crushed a man's leg easily in its beak, almost completely covering a dining room sized table. The sign

Grass & Grain, July 11, 2023

on the table gave the measurements and weight of the live turtle, which was well over 250 pounds!

Page 7

Amazed, I retrieved my drink and snacks and went to the counter. "Are they all that big down here?" I asked?

"She ain't the biggest one I ever caught", the owner replied. "Caught a 300-pounder once!"

I have never been swimming in Oklahoma...

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





Plan to standardize food date labels advances in Congress by," which tells consum-

A bipartisan proposal geared to set federal standards for food date labels is under consideration by the Committee on Energy and Commerce as well as the Committee on Agriculture, although a firm timetable has yet to be announced.

The Food Date Labeling Act is designed to end consumer confusion about whether food is safe to eat in an effort to reduce the estimated 40 percent of food produced in the United States from being thrown away, its sponsors said. Sen. Richard Blumenthal (D-CT) and Reps. Dan Newhouse (R-WA) and Charlie Pingree (D-ME) reintroduced the bicameral bill in early May. Its goal is to standardize food date labels to not only reduce the amount of food wasted each year, but to also allow American consumers to save money, Rep. Newhouse explained when the bill was offered for consideration.

Today, there are no federal regulations on date labels on food products, which currently use such terms as "expires on," "freshest on," "sell by" and "use by" as regulated on the state level, the bill's backers explained. The Food Date Labeling Act proposes establishing a more easily understood system using such phrases as "BEST if used

SALE

deteriorate after the date on the label, the proposal adds. 785-539-7558 Place

ers that the quality of the

food product may begin to



tion. The balance being waterways. LEGAL: W 1/2 SW 1/4 18-3-5. TAXES (Estimated): \$1307.26 FSA Information: DCP cropland 73.77 acres. Base Acres and

Yields: Corn 32.02 acres, 108 bu. Soybeans 25.09 acres, 37 bu. Wheat 10.82 acres, 62 bu TRACT 2: Approximately 35 acres with 34.73 acres in crop pro-

TRACT 1: Approximately 76 acres, with 66.77 acres in crop produc-

JULY 21 DEADLINE Midwest Land and Home Office, 325 C St., Washington, KS 111± ACRES WASHINGTON COUNTY LAND

B D

duction. The balance being fence lines and drainage (actual acres TBD by survey). LEGAL: SW 1/4 SE1/4 13-3-4 less an approximate 4.8 acre tract

(TBD by Survey). TAXES (Estimated): \$669.74 FSA Information: DCP cropland 34.73 acres. Base Acres and Yields: Corn 14.68 acres, 108 bu. Soybeans 11.50 acres, 37 bu. Wheat 4.96 acres 62 bu.

Survey on Tract 2: To be split 50/50 between Buyer and Seller.

Manure Easement: Farms are part of a Manure Management Plan for adjoining Hog Sites via a Manure Easement that will transfer with the property. Ask agent for information about easement and historical manure application costs.

DIRECTIONS: From Greenleaf KS go 4 miles North on Upland Rd. Then 2.5 miles East on 15th Rd, this is the SW corner of Tract 2. Go 1/2 mile further east to the SW corner of Tract 1. *Watch for the signs,* BROKERS NOTES: These tracts are considered investor qual ity. 90% + on each tract is in crop production. Tile outlets, min-imal waterways, well cared for. All the work is done. Tracts of this quality don't come along every day.

Don't miss this opportunity to add quality acres to your operation.

Bidding Instructions:

1)All offers must be received by July 21st, 5:00 P.M. at 325 C. St. Washington, KS

2) Cash offers no contingencies

- Accept property "as-is", "where-is"
- 4) Possession subject to tenants rights5) All offers must be submitted on the Midwest Land and Home Sealed Bid Form.

Seller reserves the right to reject any and all bids.

Bid forms are available at the office of Midwest Land and Home or on our website. For more information or to view this proper ty, contact Broker Mark Uhlik, 785-747-8568.

Hog sites available for sale as well. Ask agent for details.

Terms & Possession: 10% down upon award of the bid, balance due at closing on or before 8/18/2023. Seller to pay 2023 and prior years taxes. Possession after fall harvest of fall crops. Title insurance, survey, escrow and closing costs to be split equally between buyer and seller. Property to be sold as-is, where-is. All inspections should be made prior to submitting a bid form. This is a cash sale and is not subject to financing, have you and Home is acting as a Seller's Agent and represents the seller's interest. Pony Express Title will be the Escrow and closing agent. All information has come from reliable sources; however, potential buyers are encouraged to verify all information independently. Seller expressly dis-claims any liability for errors, omissions or changes regarding any infor-mation provided for these sales. Potential purchasers expressly advised to not rely on any representations made by the seller or their agents. Ae-rials are representations and not guaranteed to be actual property lines.

Download our Midwest Land & Home APP or go to our website to get Bid Forms & Additional Information!

SELLERS:

ALARON FARMS

For Complete Details visit: www.MidwestLandandHome.com



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- 4-H Exhibits & Bake Sale
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 Fair Food & much much more!
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- Fair Olympics
- Chocolate Chip Cookie Contest

www.rileycountyfair.com

Kaw Valley PRCA Rodeo



Presented by BriggsAuto.com

July 27-29, 2023

Wells Arena, CiCo Park, Manhattan, KS 8:00 pm Nightly

July 27: Military Appreciation Night

July 28: Tough Enough to Wear Pink Night Promotion of Cancer Research July 29: Brummett Award & Appreciation Recognition

Ticket Outlets:

MANHATTAN: Reserved Tickets only sold at Copies-4-Less General Admission Tickets — Copies-4-Less, Dara's Corner Stores, Dillon's Stores, Outpost Western Wear, Yee Haw Country Outfitters. WAMEGO: Vanderbilt's.

www.kawvalleyrodeo.com

Grass & Grain, July 11, 2023 Page 8 much water soil holds depends on type soils, shallower rooting wonder why we don't have

By James Coover, Wildcat Extension District agricultural agent

In years like this one, the saying "two weeks away from flood or drought" is said pretty often. It refers to how in the Midwest we are always seemingly in a drought or flood. In southeast Kansas, and much of the Ozark Plateau (the four-state area), this might actually be true. A lot of this comes down to our shallow, heavy-clay soils. Because our soils are 18" to 24" inches of silty clay above an impermeable rock layer, we do not have much water storage in our soils, our water holding capacity.

The water holding capacity is a calculation of how much water a soil can hold within a certain depth that is usable by plants. It is the difference between the field capacity and wilting point. The field capacity is the total amount of water the soil

can hold and not drain due to gravity's pull. The wilting point is the lowest amount of water soil can hold that is still accessible by plants. The accessible by plants component is important because even the driest soil will still have water that is tightly bound to soil particles, therefore does not count in the calculation.

The water holding capacity is directly relatable to the texture of the soil.

Sandy soils have little water-holding capacity because of the very low field capacity. Pure clay soils have low water-holding capacity because of the high wilting point (can hold a lot of water but most of it is not accessible by plants). The sweet spot is right in the middle of soil textures of silty loams, edging towards silty clay loams. Our soils in this area range from silty clay loam to clay loams but with higher percentages of clay deeper

in the profile. This means our soils have good water-holding capacity in the top foot but perhaps too much clay in the subsoil. The water holding capacity in the top foot is around 2.2 inches and around 1.8 inches in the 12" to 24" soil depth

Water holding capacity is also increased by higher organic matter percentages as well, but the research behind how much more seems to be confounding. Some early research had shown huge increases in water-holding capacity with increases in organic matter, but more current research has shown that the increases are much more modest. The common saying that, "1% increase in O.M per acre can hold 20,000 gal of water," is very likely highly overestimated. Still, we know increases in organic matter can increase water holding by noticeable amounts. Our soils in this area

3,000 PSI gas power washer, good; DeWalt 10" miter saw,

good; DeWalt palm sander and

other power tools; electrical & plumbing items; Porter Cable

brad nailer; hyd jack; cords &

hoses; pancake air compres-

sor: chains & come-alongs

B&D 40 volt cordless string

trimmer; T squares; nice se-lection of yard & garden hand

truck; shop vac; Schumacher battery charger; B&D circular saw; MTD 42" cut riding mower;

2 small aluminum extension

ladders; 6ft. fiberglass step lad-

der; numerous fishing poles &

lawn spreader; hand

tools;

are often somewhere between 12 to 30 inches deep. However, the plant-rooting zone can also stay shallow due to other factors like high water tables, clavpan layers, and acidic subsoils. Fields with heavy plowpans might not have roots much below the top eight inches. If given the opportunity to do so, crop roots are capable of reaching much deeper depths. Corn is not one of the more deeply rooting crop and can still get up to five feet deep, with three to four feet being common. Sunflowers frequently reach depths of six feet. It is entirely likely that crop roots in this area are likely staying much shallower than other parts of Kansas and the Midwest.

The result of our thin how people not from here

or (620) 724-8233. Kansas hog inventory down one percent

and less.

zones, and heavy clays

means that our total crop

available water is unlike-

ly more than three to five

inches. In plowpan soils,

this could be less than

two inches. Most soils lose

about 0.20 to 0.33 inches

of water a day from crop

use and soil evaporation,

depending on the tem-

perature and growth stage.

This means that when

crops are using a high rate

of water, we really do only

have about two to three

weeks of water in the soil,

and that is under the best

conditions. It also means

that every time a heavy

rain erodes the fields, the

storage capacity and days

of available water get less

I've heard many times

Kansas inventory of all hogs and pigs on June 1. 2023, was 1.90 million head, according to the US-DA's National Agricultural Statistics Service. This was down 1% from June 1, 2022, but up 3% from March 1, 2023. Breeding hog inventory, at 155,000 head, was unchanged from June 1, 2022, but up 7% from

last quarter. Market hog inventory, at 1.75 million head, was down 1% from last year, but up 2% from last quarter. The March-May 2023 Kansas pig crop, at 864.000 head, was down 2% from 2022. Sows farrowed during the period totaled 80,000 head, down 6% from last year. The average pigs saved per litter

was 10.80 for the March-May period, compared to 10.40 last year. Kansas hog producers intend to farrow 76,000 sows during the June-August 2023 quarter, down 11% from the actual farrowings during the same period a year ago. Intended farrowings for September-November 2023 are 77,000 sows, down 5% from the actual farrowings during the same period a year ago.

the best yields, consider-

ing we have the most (on

average) rain. It comes

down to this; our soils do

not hold it. Our infiltra-

tion rates can suffer great-

ly too. We might have the

most rain, but we also have

high amounts of runoff.

Last year was a great ex-

ample when we had huge

rainfalls early in the grow-

ing season, and then noth-

ing during the summer

heat that resulted in near

complete crop loss. This

also shows that we need

to do what we can to keep

what soil we have because

we really do not have any

please contact James Coover, Crop Production

Agent, at jcoover@ksu.edu

For more information,

to spare.



FARM AUCTION Keminder SATURDAY, JULY 22, 2023 * 9:00 AM 10 miles northeast of Abilene, to 3013 Nail Rd., ABILENE, KS

VEHICLES, TRACTORS & MACHINERY: 1990 Ford F350 2WD pickup; 2007 Saturn car; 6cyl., auto.,172K; 1967 JD 4020D tractor w/JD 148 loader; IH 606 gas utility tractor w/GB 808 loader; JD 530 baler; JD 336 wire tie baler; box blade; NH #56 rake; JD spreader brush hog, PJ 25" GN dovetail; 16ft. gooseneck trailer; 17ft. goose neck w/ramps; 3 horse slant trailer; 2 horse trailer; other trailers; hay trailer; military 2 wheel bumper hitch trailer; good tree saw for skid steer; 3pt. tree shear; bale spears; rear blade; more! LIVESTOCK ITEMS; HORSE TACK & CAMPING/HUNTING GEAR;

LAWN EQUIPMENT & HOUSEHOLD ITEMS NOTE: This is a very abbreviated listing of a large auction. Lots of nice stuff. TERMS: Cash or good check day of sale. Not responsible for accidents CLERK: Shirley Riek, 526 Frederick, Clay Center, Kansas 67432 UNCH: Sons of the American Legion, Chapman, KS

JOHN ARCHAMBAULT, SELLER * (785) 223-1128 Go to kansasauctions.net/kretz for listing, pictures & more info Auction conducted by: Kretz Auction Service

Greg Kretz, Salesman & Auctioneer: (785) 630-0701 Guest Auctioneer Randy Reynolds: (785) 263-5627

Riley County 4-H'ers want to say THANKS for purchasing our Food and Livestock at the 2022 Riley County Fair Auction.

Fink Beef Genetics/LABCO Market

Reserve Grand Champion Rabbits Purchased By: Hyvee Food Store - Manhattan - Kvle Odem Shivlev Law - Jerrv Shivlev Meatworks of Kansas

Grand Champion Poultry Purchased By: HyVee Food Store - Manhattan - Kyle

Odem Shivley Law - Jerry Shivley Flint Hills Pain Management John Ford Friesen Motors - Clay Center Fritz Oil Company - Leonardville Gambino's of Riley Geisler Roofing Gene Francis/Gavel Roads - Lori Rogge Good Farms Scott & Janelle Greene Haller Family Show Pigs - Marvin & Leslye Bret & Laura Henderso Henry Farms - Terry & Tammy Courtney Henry Dalton & Sarah Henry Larry and Rita Henry Loren Henry Hi-Tech Interiors Inc Home Oil Service Inc - Blue Rapids Melvin & Rae Jean Hunt Irvine Ranch - Paul & Mary Beth Irvine Irvine Real Estate Inc - Paul, Mary Beth Irvine & Marlene Irvine Jay White Excavating .ID I lewelvn JP Investments Mike & Sandy Kearns Kellstrom Pharmacy - Milka Goodlet KSU Sports Properties - Ben Boyle LaFiesta Restaurant Landmark National Bank - Manhattan Larson Construction Inc Lee Chevrolet - Frankfort Leiszler Oil Inc/ Short Stop/ Dunkin' Donuts - Sam Liby Leo Finan Construction Little Britches Consignment Sales Little Buckaroos Learning Center Cal & Barb Livingston Lvons Ranch John & Peggy Lyons Ross & Amy Lyons Manhattan Broadcasting Manhattan Commission Co Inc Manhattan Wrecker Service Greg & Pam McClure Greg & Jana McKinley Meadowlark Hills Retirement - Sarah Duggan Merck Animal Health - Troy Warnken, Jenna Goetzman Midwest Concrete - Manhattan Jim Morrison North County Livia Olsen Reggie Olsen Outpost Inc. Mike Pachta Family Performance Ag Pioneer Seed Pfaff Services LLC - Tim Pfaff - Randolph PrairieLand Partners - John Deere Prairie Valley Veterinary Clinic - Dr. Don Musil - Blue Rapids Purple Portables - Derek Parthemer - Frankfort Quality Collision Repair RAZ Automotive - Josh and Sarah Reasoner Redi Systems Richard Woodworth Construction **Riemann Injury Litigation** Don & Sharon Riffey Riley County Farm Bureau Assn Riley State Bank - Riley/Leonardville Robbins Motor Company Rockin' S Ranch Supply - Leonardville Rustic Rose Jewelry Bob & Carolyn Sawyer

Schaeffer Oil - Leonardville Schurle Signs Harwood & Kathy Shawver Shipman's Livestock - David, Susan & Reid Shipman Smith Plumbing Cliff & Karen Spaeth Speltz Farms - Chris & Amanda Speltz Streeter Family Businesses Suther Feeds Tall Grass Services - Vern Bulk

SATURDAY, JULY 15, 2023 — 10:00 AM Morris County 4-H Building, 620 Hwy 56 * COUNCIL GROVE KANSAS

COINS sell at 10:00: 103 lots including, 1887 S, 1879 & 8 various dates Morgan silver dollars; 5 Peace silver dollars; Barber, Walking Liberty, Franklin & Kennedy silver ½ dollars; Washing-ton silver quarters; 1877 CC Seated Liberty dime; 4 Seated Liberty dimes, 1841-1890; 1864 Two cent piece: 4 Large cents. 1828-1851, Indianhead pennies & numerous other coins. For a complete coin list, go to hallgrenauctions.net BOAT: 1989 Sun Tracker 24ft.

pontoon boat, deck & seats have been redone, 60 hp. Evrinrude motor on trailer & essorie COLLECTIBLES: windmill wall

hanger; barn print; several unusual prints; kerosene lamps & lanterns; various vintage tins;

For pictures go to: hallgrenauctions.net Terms: Cash or Good Check. Not Responsible for Accidents, Statements made day of auction take precedence over printed material. LUNCH Available!



THURSDAY, JULY 19

Kansas Antique Racers Pit Opens - 4 pm Beer Garden- 6 pr

iron stool; primitive cedar chest; iron glass top computer tackle; several organizers; vari-ous household & kitchen items. desk, L shaped, nice **SMITH & ANOTHER SELLER** SCOTT

Directions: 1 mile east of Council Grove on US Hwy 56. WATCH FOR SIGNS TOOLS & MISC .: Porter Cable canoe fisherman wall hanger; wood sail boat; various signs; 10" table saw, good; Craftsman

milk bottles; framed Wichita

Eagle front pages of JFK as-sassination, Watergate & 9-11

shot glasses & other bar items;

FURNITURE: king size bed; walnut night stand & 5 draw-

er chest; oak queen size bed

chest of drawers & night stand;

2 sofa sleepers: overstuffed re-

clining sofa; stereo & surround

sound speakers; walnut glass front & side bookcase; LG 40"

flat screen TV & stand; 4 patio

chairs: wicker patio table with

heater; maple kitchen cart; wal-

nut table & 6 chairs; wrought

full size bed; maple

Longaberger basket.

frame:

WHETC available each night-40

OPEN ALL THREE NIGHTS! SCHEDULE OF EVENTS

-Laser Tag and Bouncy Houses-

Monday, July 10th

(Beloit First Christian Church) 8-11:00 am Judging of Clothing Construction & Fiber Arts, Judging of Fashion Revue Construction & Buymanship

Monday, July 17th

(Beloit First Christian Church) 9:00 am Judging of 4-H Visual Arts, Judging of 4-H Foods 10:00 am Bake Sale at the First Christian Church Lobby

Tuesday, July 18th

9:00 am 4-H/Open Class Horse Show

Wednesday, July 19th

8:30 am 4-H can enter any exhibits in the 4-H Building 9:30 am Judging of 4-H Photography 10:00 am Judging of Horticulture, Flowers, & Crops 6:00 - 8:00 pm Livestock Check In 6:00 - 8:00 pm Open Class Entries Check In

Thursday, July 20th

7:30-8:00 am Enter Rabbits and Poultry and Vet Check 8-9:00 am Enter all remaining 4-H exhibits to be judged 8-10:00 am Open Class Entries Check In 8:00 am Judging of 4-H Rabbits & Poultry -Pet Show following 9:00 am Judging of 4-H Spacetech, 4-H Woodworking, Electric, Welding, Entomology, Geology, and STEM 9:30 am Judging of 4-H Posters, Notebooks, Banners, and Food Displays 10:30 am Judging 4-H Bucket Calf 1:00 pm Judging of Open Class Arts & Crafts. Foods, Flowers, Photography, Clothing & Quilts, Judging of Open Class Garden 5:30 pm 4-H Beef Show 6:00 pm Ident-A-Kid - Mitchell Co. Sheriff 6:00 pm Laser Tag/Bounce House Opens 7:00 pm Kansas Antique Racers-Grandstands 6:00 pm Creature Feature* 7:00 pm Talking Tombstones* 8:00pm TBD* 9:00pm TBD*

Friday, July 21st 9:00 am Judging of 4-H Swine, 30 Min After Swine Judging 4-H Sheep & Goats 2:00- 4:00 pm Beef carcass Ultra Sounds 5:00 pm Kids Money Scramble-Hog Arena 5:00 pm-8:00 pm Beloit FFA Cow Pie Bingo tickets availabl 5:30 pm 4-H Style Review* (Entertainment stage) 5:30 pm Cornhole Tournament Contact Eric @ 785-738-7682 to register your team 6:00 pm Enduro Cruiser Races and Demo Derby 6:00 pm Laser Tag/Bounce Houses Opens 6:00- 8:00 pm Beloit FFA Hayrack Rides 6:00 pm Rob Boeve* 8:00 pm Lance Cheney* 9:00pm Patrick Eilert*

Saturday, July 22nd 8:00 am Round Robin 11:30 am Register for Kids Pedal Tractor Pull 12:00 pm Kids Pedal Tractor Pull - Qualify for State Fair 5:00 pm 4-H & FFA Livestock Premium Sale 6:00 pm Sports Mod., Stock Cars, Hobby Stock, Sport Compact, Cruisers, and Trailer Races 6:00 pm Laser Tag/Bounce Houses Opens 6:00 pm Francis McCune* 7:00 pm Britany Robinson* 8:00 pm TBD* 9:00 pm TBD*

Sunday, July 23rd 8:00 am-12:00 pm Check Out Exhibits & Clean Up

*-Shows at the Free Entertainment Stage

Antique Tractor Show THREE-DAY DISPLAY Doug Devore 785-534-2741

> Petting Zoo OPEN ALL 3 DAYS!

Gate- 6 pm Pit Pass: \$25 Admission at Gate \$5

Entertainment Stage 6:00 pm Creature Feature

7:00 pm Talking Tombstones

FRIDAY, JULY 20

Cornhole Tournament

\$20 per team | double elimination Registration: 5:30pm Start Time: 6:00pm Contact Eric @ 785-738-7682 to register your team

Enduro Cruiser Races &

Demo Derby Pit Opens - 4 pm Beer Garden- 6 pm Gate- 6 pm Pit Pass: \$25 Admission at Gate \$12

SATURDAY, JULY 22

Kids Pedal Pull

Registration 11:30 am Pull Starts 12:00 pm 9 Classes, Ages 4-12 | No Entry Fee or Admission

Sports Mod., Stock Cars, Hobby Stock, Sport Compact, Cruisers, Trailer

Races Pit Opens - 4 pm Beer Garden- 6 pm Gate- 6 pm Pit Pass: \$25 Admission at Gate \$12



Funnel Cakes - 4-H Food Stand - A&B's Ice Barn - Homemade Ice Cream - Big T's - Texas Red's BBQ- Outlaw BBQ

Reserve Grand Champion Sheep <u>Purchased By:</u> Wendland Ag Repair - Josh Wendland KS Financial Services - Dwight Johnson Boddicker Show Lambs Fork in the Road Farm Bureau Financial Services - Joe Wilson, Agency

<u>Grand Champion Beef Purchased By:</u> Max Motors - Manhattan Walrod Cattle - Garron & Heidi Walrod Washington Vet Clinic Mahaska Propane Inc.

Reserve Grand Champion Beef Purchased By: Livestock Direct - Abram & Dani Mertz **River Creek Farms - The Mertz Family**

Grand Champion Hog Purchased By: Sink Gordon and Associates LLP People's State Bank

Ag Press\Grass & Grain Anderes - Pfeifley Funeral Home - Riley Bob & Danni Anderson Andy Fischer Agency Bailey Farms - Harold Bailey BAM Excavation & Trucking Baystone Financial Group - Evan Howe Rustv and Lynne Berry Black Jack Saddle Club Briggs Auto Group Bruna Implement Co - Clay Center\ Marvsville\ Washington Buss Ángus Farms Camerlinck Cattle Company Canterbury Floor & Home Sydney Carlin Carlson Heating & AC LLC Central National Bank of Manhattan Charlson & Wilson Bonded Abstracters Citizen's State Bank of Marysville CivicPlus - Manhattan Clav Center Livestock Sales Commerce Bank Community 1st National Bank Copeland Insurance Crossroads Real Estate & Auction - Bill Disberger Danenberg Jewelers Dental Associates of Manhattan -Angela Marten Dikeman Simmentals - Michael Dikeman Nicholas Dobesh Phillip Dobesh Don's Tire and Supply Inc - Abilene Duane Scardina Construction El Sol LLC Falcon Fence Company Fancy Creek Charolais Farmers Cooperative - Beatrice NE Feedlot Health Mngmt. Svs. & Herd Trax Software - Dr. Dan Frese

laylor J Cattle The Farmhouse - Riley/Olsburg The Riley Countian - Ken & Donna Sullivan The Trust Company - Manhattan Thomas Kimball Family Trust Thurlow Farms Tim Engle - American Family Ins Titan Hydro Vac Tree Man-MHK - Dave Schafer Triple Heartbreak Acres - Riley Union State Bank - Olsburg United Bank and Trust Valley Vet Ventria Bio-Science Vermeer Baler Sales & Leasing -Leonardville Weddle and Sons Roofing John & Linda Wienck Wildcat Feeds William Peterson Construction Inc. Donnie and Jennifer Wilson Yorgensen-Meloan-Londeen Funeral Home Jill Zimmerman

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Please join us for the 2023 Riley County 4-H Auction at 6:45 pm, Monday, July 31st at the Riley County Fairgrounds.

Fair season hot topic: Keeping animals cool at county shows

By Bailee Farmer, K-State **Research and Extension** news service

It's county fair season in Kansas, and while local events are a great way to enjoy the sun and time with friends, heat can be an invisible fun bandit for livestock.

Kansas State University beef extension veterinarian A.J. Tarpoff said it's important for youth showing livestock to watch animals closely and know the symptoms of heat stress.

All animals – as well as people -- can experience heat stress, which occurs when the body cannot get rid of excessive heat, either through sweating or other means.

Tarpoff said cattle handle heat differently than other animals. In particular, they struggle with the ability to sweat, which makes them reliant on getting rid of heat through their respiratory system, such as breathing the heat out. To preserve energy, they usually dissipate the heat during the night when it's cooler.

"It takes four to six hours to return cattle to regular temperature," Tarpoff said.

He added that one way to tell if a show steer or heifer is affected by heat stress is to look for unusual behavior from that animal. Symptoms may include reduced feed intake. increased time standing and crowding around water. In the show barn, animals may also display an increase in breathing rate.

One way to keep animals cool is to make sure barns get plenty of ventilation. Tarpoff said that heat stress mitigation strategies should be planned with cattle comfort in mind, and each strategy will be unique to the housing situation. Other factors to consider include whether the animal has its winter or summer hair coat; hair color: and past health

issues.

Tarpoff said youth should consider reducing animal handling during heat intervals.

"Weighing, processing, sampling and shipping cattle are all necessary tasks but they should be strategically conducted during the very early morning hours to ensure cattle comfort," Tarpoff said.

Another way to avoid heat stress is to provide plenty of water to cattle. Tarpoff said the amount of water cattle need doubles as the heat increases from 70 to 90 degrees Fahrenheit.

Tarpoff also encourages

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meter, hydrostatic transmission; OROPS.

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youth to consider moisture levels from the washing areas. Some locations can artificially increase the humidity and cause unneeded stress on livestock.

"Monitoring conditions and preparing for heat stress is a must when caring for your animals," he said.

The Kansas Mesonet, a network of Kansas weather stations which has offices on the K-State campus in Manhattan, provides an Animal Comfort Index to help producers and youth monitor care for livestock. The online service is free to the public.

Fair-related health challenges Cattle Chat:

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

One of the highlights of the summer for many 4-H'ers is taking their livestock projects to the county fair, but unexpected health challenges can keep those animals from being eligible to show, says Kansas State University veterinarian Bob Larson.

Speaking on a Beef Cattle Institute Cattle Chat podcast, Larson said: "Ringworm and warts are two of the most common conditions that would keep a calf from being able to go

Cow shot In Coffey County

A KLA member has reported a cow being shot and butchered in a pasture four miles southeast of Waverly in Coffey County. The incident happened the night of July 2.

KLA is offering up to \$5.000 for information leading to the arrest and conviction of those involved. The reward program only applies when the producer is a KLA member. Anyone with information about the incident should contact the Coffey County Sheriff's Office at (620) 364-2123.

to the show." Many fairs require that

the animals have a health evaluation by a veterinarian prior to the exhibition. Larson encouraged 4-H'ers to look carefully for warts, ringworm, or any other problems early in the summer so that there is time to treat them well ahead of show day.

K-State veterinarian Brad White agreed, adding: "Both these conditions take time to clear and so families need to work with a veterinarian to make sure they have the right treatment plan in place.'

Warts involve removing them so that the calf's body will create an immune response to clear them. Since ringworm is a fungus, it is best treated with sunlight and a topical cream, said Larson.

Larson also suggested inspecting the trailer well ahead of travel to the fair.

"Calves can get injured in the process of hauling

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them to the show, so it is important to look at the trailer to make sure there isn't anything sharp exposed and that the flooring is solid," Larson said.

Once cattle get to the fair, it is important to provide feed, forage and water that is familiar to them, said K-State beef cattle nutritionist Phillip Lancaster

"When cattle go to a fair for the first time, it can be a stressful situation for them with all the people around them in an unfamiliar place, so it is important to keep them following their routines as much as you can," Lancaster said.

And part of keeping that routine involves feeding the cattle the same feed and hay type in a familiar feed pan and, most importantly, to make sure they are drinking water, according to Lancaster.

"If the cattle have been drinking well water, the city water offered at the

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fair may smell or taste different to them and cause them not to drink as much and so they may need to have water brought from home," he said. "If that is the case, you'll need to bring plenty of water because in the summer those cattle will drink 15-20 gallons/day."

To hear the full discussion, listen to the Cattle Chat podcast online or through your preferred streaming platform.





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file set; bolt cutter; come-a-long; mechanics creeper: levels: prv bars; c-clamps; hyd. piston jack; floor jack; jumper cables; pump sprayers; 5 gal. fuel jugs; Weasel medium Nut Gatherer; garden hoses; sprinklers; 2" bumper receiver hitch; trailer hitch balls; log chain; 2-wheel dolly; 6ft alumi

animated musical chime wall clock; gumball machine light filled w/marbles; kerosene oil lamp; 2pc snowman décor from Germany "old"; carnival glass relish tray; Johann Haviland Bavaria Germany blue rose garland silver trim 8-setting dishware set w/extras; Grace's Teaware tea-

pot, creamer, & sugar set; floral

bread box; Corelle & Corning-



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Troy-Bilt Mustang Z54 zero turn mower, 54" deck w/water hose cleaner adapter, Kohler 7000 Series 24HP, purchased new March 2021; 2018 Hustler Raptor SD zero turn mower, 48' deck, Kawasaki FR691V 23HP 131.6 hours, model 937789 se-rial 18061974; Legend Force rear tine tiller, 20", 212cc engine, purchased new April 2023; Crafts-man 24" snowblower, electric start, 2-stage, 179cc, 6-forward & 2-reverse speeds: Craftsman Perfect Mix portable pressure washer, gas powered Honda GCV160, 2600 max psi; front end lawn mower lift w/300# capacity; 2023 Blue Ox weight distribution hitch & sway bar kit. for bumper pull campers and trailers, like

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Stihl MS250 18" chainsaw gas power, like new; Stihl MS192TC 14" chainsaw gas power; Stihl FS50C grass trimmer gas power; Stihl FSA57 grass trimmer 20v battery power w/bat-tery & charger; Stihl 24" hedge trimmer gas power; Stihl BG56C leaf blower gas power; rear pull lawn sweeper; rear pull lawn fertilizer spreader; wheelbar row; Performax air compressor 26 gal., 2.5HP, 120v, like new; Schumacher battery charger; B&D 6" bench grinder; Shop Vac 6.5HP; Performax electric jig saw; Hyper Tough 20v cordless 6-1/2" circular saw; DeWalt 18v cordless tools w/2 drills, impact wrench, circular saw, light, 2 batteries & charger; Hyper Tough pneumatic staple gun; Hart 7pc ratcheting open end wrenches; Performax toolbox, 27x18x38; assorted hand tools & long handled tools: sockets & ratchets including AC Delco, Craftsman, Stanley, Hyper Tough; Crafts-man open/closed end wrenches; Vise grip clamp; Stanley locking pliers; drill bit set; Stihl chainsaw

num ladder: 3ft ladder: wooden work bench on wheels w/4-drawers & 2-doors; 24 steel T-posts 12 full size cattle panels; 2 half

size cattle panels. FURNITURE, TVs, OFFICE EQUIPMENT, FLOOR RUGS, TREADMILL, FREEZER

Matching tan plush cloth 3-per-son couch w/end recliners and tan plush cloth reclining loveseat w/storage compartment and cupholders; 2 matching Best Chairs Inc tan plush cloth electric rocker recliners w/USB power ports; tan plush cloth rocking recliner chair; brown leather chair & matching ottoman; dark blue sitting bench w/storage compartment; 2021 Latitude Tree Furniture 42" round wooden table w/built in center folding table leaf, making table 57" oval along w/ 4 matching wooden chairs; wooden stool chair; king size wood & iron bed; queen size black metal bed: 2 single size beds, brown wood, can be bunked; match set brown wooden, 6-drawer dresser w/mirror & 4-drawer chest of drawers; large brown wooden corner desk small black wooden desk; 2 brown leather office chairs on wheels; 2 chair mats - clear & bamboo 2-drawer wooden file cabinet 5-shelf wooden bookcase; black & stainless steel 3-shelf case; 55" wood & tinted glass TV stand; brown wooden TV stand 4-shelves & one door; brown wood and black iron end table w/ reading lamp; 2pc brown wooden end tables w/drawer; cedar chest w/legs; jewelry armoire 18"wx42"t; Sony Bravia 55" flat screen TV; Vizio 42" flat screen TV; Samsung 32" flat screen TV; Vizio sound bar & sub-woofer Radio Shack radio scanner; HP Desktop KQ298L3 all-in-one computer w/touch screen monitor 24"; wireless keyboard & mouse; HP Envoy 7640 printer; whole house humidifier; Karastan Mohawk 8'x10' blue-gray-white area rug; Weslo Cadence 70e electric treadmill; 1997 Kelvinator upright freezer 28x55x27 HOUSEHOLD, COLLECTIBLES, **GRILL, BICYCLES**

ware dishes; silverware se wooden bowl dish; Ionic Pro Turbo air purifier; oscillating tower fans w/remotes: electric infrared box heater; black card table & 4 folding chairs; bedding – king, queen, & singles; pillows; electric weighted blanket; Bis sell Deep Clean Premier steam cleaner vacuum; Shark Vertex Pro cordless vacuum; Shark Rotator Professional vacuum cleaner; Shark Rotating steam cleaner; Hoover vacuum cleaner Betty Crocker cookbooks; Ham-ilton Beach brew station; Crock Pot slow cooker; George Foreman grill; Ninja chopper; Man-delin food slicer; J.A. Henckels Int'l knife set w/wood block; cop perware electric skillet, skillet w lid, pans w/wire mesh racks; nonstick pans; 3pc. clear light blue glass canister set; canning jars quarts & pints; stainless steel canner; black electric roaster wooden tabletop lazv susar turntable; marble napkin holder 4pc. American Tourist luggage set; adjustable child safety gate medical & nursing books; Col lector's Encyclopedia set; office supplies including bubble mailer envelopes, bubble wrap, station ary paper, photo paper, white card stock, colored paper; Dymo label printer; Christmas supplies including tree, ornaments, snow globe, paper, boxes, labels; sewing supplies; floral décor; stemmed artificial flowers; GP pewter Jostens vase; 2 large dog beds; 3-step step stool; EZ reacher; painting supplies; clay planter pots; electric bug zapper horseshoes; Daisy Power Line 880 BB gun; Bushnell 7x35 bin-oculars; 11ft swiveling patio umbrella; 3pc deck chairs & glass table set; folding bag chairs; rigid folding chairs: bird bath: concrete bench; decorative concrete yard ornaments; whiskey barrel plant ers: cement paver steps: Exper propane grill; Hyper 26" 18 spd black & red mountain bike: Huffy 26" 18 spd. black & light blue mountain bike

Cuorma "Small World" rhythm

Visit our website Prellrealtyauction.com to see this sale bill & photos .ers: Pierce & Jenni AUCTIONEER'S NOTES: These auction items are really clean. Much of the furniture is less than one

year old. Also, contact Pierce at 785-747-6907 to view the pickup or mowers prior to auction day.

Terms of Sale: Cash or good check. Statements made day of auction take precedence over prior advertisements or statements. Items sell as-is, with no guarantees. Sellers/Auctioneers not responsible for accidents or theft.

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Don Prell, Auctioneer 785-562-6787

Steve Prell, Auctioneer 785-713-2191

Dave Bures, Auctioneer 402-239-9717

Page 10 Grass & Grain, July 11, 2023 **Building a common language for antimicrobial** resistance between human and animal health

Health industry experts agree, an integrated, unified cross-species approach, known as One Health, is necessary for optimizing the health of people, animals and ecosystems and for combating

LAZY I ALL TON

antimicrobial resistance (AMR). Yet, AMR measurement metrics can differ greatly between animal and human health, leading to misconceptions and miscommunication. This lack of a common AMR

HUGE ESTATE & MOVING AUCTION SATURDAY, JULY 22, 2023 - 9:30 AM 118 South 3rd, BRIDGEPORT, KANSAS Polaris XPRESS 300 4-Wheeler, Zero Turn Hustler Mower, Craftsman Big Wheel Mower, Donahue Tilt Trailer, Furniture, Native American

Collectibles, Appliances, Floor & Trans. Jacks, Motor Stand, Air Compressor, Welders, Grinders, Saws, Tool Boxes, Ladders, Radiators, Racing Items, Tools, Generator, Tires, Racing & Standard Rims. Work Benches. Salvage Iron. Outdoor Metal Table. Windmill. Canning Supplies, Pottery, Albums, Golf Clubs, Exercise Equip., Maple & Oak Table & Chairs, Dresser/BR Sets, Vintage Secretary & SO MUCH MORE!

Go to KansasAuctions.net for lots of pictures, listing & terms! LAZY J AUCTIONS Auctioneer, Loren Meyer, 785-212-1903

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SATURDAY, JULY 22, 2023 — 10:00 AM Auction will be held at the home, 925 K41 Highway located on the East edge of DELPHOS, KS REAL ESTATE as down payment day of auction, the balance will be due upon closing on or before Septem-

The farm is located on the east edge of Delphos. KS at 925 K41 Highway. There are 3 acres with a 2 story 1953 sq. ft. home. The main floor has a kitchen, front & dining rooms, 2 bedrooms, utility room and 1 bath, the upstairs has 3 bedrooms w/storage. The central heat & air conditioning coil was new in 2020 The water heater was new in 2020. All new pex water lines; The sewer is on a septic system, there is a water well, and a 1000 propane tank; There is a 1440 sq ft. machine shed,800 sq. ft. chicken house, 252 sq ft. mule barn, 100 sq. ft. tack room w/cellar. Taxes will be prorated to closing. 2022 taxes were \$1,266.96. Terms will be 10% of purchase price

TRUCK, TRACTOR & EQUIPMENT

1973 Ford Ranger F100 long bed, 390 engine w/54,000 on engine, automatic, ps, 135,540 miles; Ford tail gates; Allis WD45 tractor, wide front, power steering, quick coupler, w/Farmhand loader, 8' bucket; Craftsman LT1000 riding er; IHC No 9 pull mower; IHC steel wheel manure spreader w/horse hitch; Oliver & JD dump rakes; flat harrow; picktor; 1950's Ford pickup box; 3pt. bale spear; 4 wheel trailer

TOOLS & OTHER

after the house sells. Crosby Roper Frank Fightl, Fred Mueller); new 1917 Boyd

metal landing mats 18"x10'; (10) 12' metal round bunks

ber 15, 2023. Title insurance will be used, the

cost will be split between seller and purchas-

er. Closing cost will be split between seller and

purchaser. Down payment will be escrowed with

Scheibler Title. The seller will do no inspections

or repairs on the home, buildings, septic system

or well. All inspections made by the purchaser

must be done before July 22, 2023. All state-

ments made day of auction take precedence

over printed material. Thummel Real Estate

60' of iron horse hame fence that will sell

& Auction LLC is acting as seller agent.

NOTE: The home and land will sell first. There will be many primitives and horse items. Check our website for pictures at www.thummelauction.com



measurement standard limits veterinarians' abilities to make informed antibiotic prescription decisions, especially within the livestock industry. To strengthen antimicrobial stewardship within livestock veterinary medicine, the Foundation for Food and Agriculture Research is awarding a \$216,724 Seeding Solutions grant to Iowa State University of Science and Technology (ISU) to develop a standard method of collecting, reporting and sharing multispecies antimicrobial susceptibility testing (AST) results for use in human and animal health industries. Merck MSD is providing matching funds

for a total \$433,449 investment.

Antimicrobial medicines are commonly used to prevent and treat infections in humans and animals. AMR occurs when bacteria and other pathogens change over time. As the pathogens change, they no longer respond to these medicines, making infections harder to treat and increasing the risk of disease spread, severe illness and death.

Led by ISU assistant professor of vet microbiology and preventive medicine Amanda Kreuder, DVM, Ph.D., Diplomate ACVIM (LA), the research team is leveraging the resources and membership of the National Institute of Antimicrobial Resistance **Research and Education** (NIAMRRE) to improve antimicrobial stewardship in veterinary medicine and consequently reduce AMR by generating epidemiologic cut-off values (ECV). ECVs are a measure of AMR for animal and human pathogens that has the potential to provide a common language between all animal species and humans. The team will add the collected data to a repository that includes a public facing NIAMRRE dashboard and develop training webinars

and educational outreach programs and publications to inform human and animal health professionals on the One Health advantages of using ECVs for epidemiologic studies.

"A clear understanding of antimicrobial resistance data across the human and animal health industries is essential to mitigating antimicrobial resistance across species, but that can't occur when one industry measures and reports results in a way not translatable by the other," said Nikki Dutta, interim scientific program director for Advanced Animal Systems. "This research can build a common language between both industries and a way to share this method of reporting to promote responsible antimicrobial use in livestock veterinary medicine."

"Antimicrobial susceptibility testing is a core component of antimicrobial stewardship in both human and veterinary medicine, yet the interpretation of antimicrobial resistance using traditional clinical breakpoint interpretation methodology does not directly translate from one animal species to another, let alone from animals to humans," said Kreuder. "In addition

to addressing the need to communicate AMR in an equivalent language between human and animal health, this work will also support animal agriculture by placing it on a level playing field when it comes to measurement of AMR. Through providing veterinarians and producers more tools to identify and effectively treat bacterial infections in animals, this investment in the generation of data that can serve as a common language for AMR will help improve decision making regarding antimicrobial use in livestock and positively impact antimicrobial stewardship."

FFAR's Seeding Solutions Grant program is an open call for bold ideas that address pressing food and agriculture issues in one of the Foundation's Challenge Areas. Kreuder's research furthers FFAR's Advanced Animal Systems Challenge Area by improving animal health, welfare and productivity, antibiotic stewardship and environmental sustainability. This research also adopts a transdisciplinary, One Health approach benefiting animals, humans and the environment, which is a FFAR Seeding Solutions prioritization.



Grass & Grain Area **Auctions and Sales**

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

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

Raymond Lang Online Auction (Opens July 6, 8 am with a soft close July 12,8 pm) — Selling 14' flat jon boat, generator, fencing, cement mixer, primitive tools, elec. smoker, vintage snow sleds, oil lamps & lanterns, JC Higgins bike, portable building frame, stoneware & more (located at Marquette) & held Online at hollingerauction.hibid. com/auctions/current. Auctioneers: Hollinger Online Auction.

- 2-Day Online Auction (Open Now, Day 1 begins closing 7-11, 2 pm; Day 2 begins closing 7-12, 2 pm) - 600+ Lots inc. Antiques, Collectibles, Primitives, Toys, Signs, Prints & Pictures, Spurs, Furniture, Crocks, Sporting Items, Outdoor & Hunting (items located at Council Grove). Held online at www.Griffin-RealEstateAuction.com. Auctioneers: Griffin Real Estate & Auction.
- 2-Day Online Auction (Bidding Opens 7-12, 1 pm; Day 1 begins closing 7-18, 2 pm; Day 2 begins closing 7-19, 2 pm) — 700+ Lots of pocket knives, swords & skinning knives including Case, Case Tony Boze, Case Muskrat, Case Brothers, Kansas Knife Collector's Assoc., Schatt & Morgan Gowanda collection, Remington Bullet, Western & more (items located at Cottonwood Falls). Held online at www.GriffinRealEstateAuction.com. Auctioneers: Griffin Real Estate & Auction.

Online Auction (Open NOW, begins closing 7-20, 2 pm) — 2021 Keystone

Cougar 368MBI Premium fifth wheel, 4 slide outs, sleeps 10, solar ready, lots of storage, 2 awnings & much more (located near Lincolnville). Held online at www.Griffin-RealEstateAuction.com. Auctioneers: Griffin Real Estate & Auction. Sealed Bid Land Sale

(Deadline: July 21) -Selling 111 acres m/l of Washington County Land consisting of T1: 76 acres m/l with 66.77 ac. m/l in crop production, balance waterways; T2: 35 acres m/l with 34.73 ac. m/l in crop production, balance being fence lines & drainage. Selling for Alaron Farms. Submit bids to Midwest Land and Home office, 325 C St., Washington, KS. Mark Uhlik, broker/auctioneer & Jeff Dankenbring, broker with Midwest Land & Home.

Unreserved Online Auction (bid Online July 6-July 20) - Tri-State Feeders II 30,000-head feed yard, 560+/- Acres Beaver County, Oklahoma with 3,535 sq. ft. office, 45,000 bushel grain storage, 30,000 feet of concrete bunk line, 4 electric water wells, 80' truck scale, 2 cattle scales, and multiple buildings (property is agent owned). Attend the Auction July 20 at Liberal or bid online at www.bigiron.com/realty. Auctioneers: Big Iron Realty.

July 13 - Jackson County Real Estate auction consisting of 232 acres in 2 tracts: T1: 154.68 acres with a 2BR ranch-style home, balance includes approx. 40 ac. terraced brome hay ground & approx. 110 ac. mixed grass pasture w/heavy trees & brush, 1 pond; T2: 78 acres pasture with mixed grass, heavy trees & brush held at Holton for The Estate of Vernona Bolz. Auctioneers: Harris Real Estate & Auction, LLC.

July 15 — 103 lots of coins inc. Morgan silver dollars, Peace silver dollars, Barber, Walking Liberty,

Franklin & Kennedy silver 1/2 dollars, quarts, dimes, two-cent peace & more, 1989 Sun Tracker pontoon boat, collectibles, furniture, tools & miscellaneous held at Council Grove for Scott Smith & another seller. Auctioneers: Hallgren Real Estate & Auctions, LLC.

- July 15 Large Auction of antiques, primitives & collectibles of all kinds held at Abilene. Auctioneers: Kretz Auction Service.
- July 15 Tractors, trailers, tools, antiques, antique farm equipment & more held at Wamego for Meinhardt Farm Equipment. Auctioneers: Morgan Riat Auctions with Foundation Realty.

Online (& Live) Land Auction (Bid Online July 18-August 1) — 212.96 acres m/l of McPherson County Prime Farmland selling in 5 tracts: T1: 77.74 ac m/l farmland; T2: 50.24 ac. m/l farmland; T3: 13.47 ac. m/l farmland; T4: 18.39 ac. m/l farmland; T5: 53.12 ac. m/l farmland held Online at www.bigiron. com. Attend the Live Auction August 1 at Inman for Sellers: Gerald G. Kaufman Irrevocable Trust: Kent. Christian & Geoffery Kaufman. Auctioneers: Big Iron Realty, Mike Campbell, listing agent.

- July 19 Wichita County Land Auction consisting of 157.84 acres m/l dryland cropland (52.61 ac. m/l growing wheat, 52.61 ac. m/l growing corn, 52.61 ac. m/l summer fallow) held at Leoti for Lyle Duane Beedy & Nancy H. Beedy Family Trust. Auctioneers: Lawrence & Assoc. Realty, broker; Russell Berning, auctioneer/agent.
- July 22 Douglas Mitchell Real Estate & personal property auction consisting of a newly remodeled 2BR, 1BA home, 2015 Ford F150, 2000 Ford Ranger, 2002 Ford E150 service van, 1991 Chevy S10, 2019 Kawa-

saki Versey, 2002 Honda XR650IL, 2011 Carry-On utility trailer, appliances, HVAC equipment, tools & accessories, air rifle, furniture, household & more held at Salina. Auctioneers: Wilson Realty & Auction Service.

July 22 - Real Estate consisting of 3 acres w/2-story home, machine shed, chicken house, mule barn, tack room & more; 1973 Ford Ranger, Allis WD45 tractor, riding mower & other equipment, horse equipment inc.: saddles, new 1917 Boyd harness, 2 wheel race cart, bridles, collars, hames & much more, tools & more held on the East edge of Delphos for James "Raisin" B. Davis Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

July 22 - 2006 Chevy pickup, zero turn mowers, tiller, snowblower, pressure washer, mower lift, sway bar kit, tools, equipment, posts, cattle panels, furniture, TVs, office equipment, floor rugs, treadmill, freezer, household, collectibles, grill, bicycles & more held at Waterville for Pierce & Jenni Holliman. Auctioneers: Prell Realty & Auction, LLC.

- July 22 Tractors & Farm Machinery, vehicles, livestock equipment, misc. farm supplies & shop equipment, horse tack, camping/hunting gear, lawn equipment, household & yard items held Northwest of Abilene for John Archambault. Auctioneers: Kretz Auction Service.
- July 22 Huge Estate & moving auction inc.: Polaris XPress 300 4-wheeler, zero turn mower, Craftsman Big Wheel mower, Donahue tilt trailer, furniture, Native American collectibles. pottery, albums, appliances, salvage, shop tools of all kinds & much more held at Bridgeport. Auctioneers: Lazy J Auctions., Loren Meyer.
- July 23 -Advertising, crocks, collectibles inc. 1903 State of Kansas wooden cabinet w/18 different scenes early day projector, 1897 JW Keller Patent farm gate made by Ben Daniels, Beloit, Kansas; many advertising items inc.

Grass & Grain. July 11. 2023 wooden DeLaval cabinet, flame top from gas pump, signs, beer items, clocks & more; railroad items, radios, toys, car tags & much more held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

July 25 — Land Auction consisting of 270 acres m/l of Lincoln County land offered in 3 tracts. Excellent tillable and timber held live at Lincoln with online bidding available at www. horizonfarmranch.com. Seller: The Heirs of Nola Cromwell Family Trust. Auctioneers: Horizon Farm & Ranch Realty, LLC.

July 27 — Real Estate auction consisting of a stunning native stone 5 bedroom, 2 bath home built in the 1800s with almost 3,000 sq. ft., 2 car detached garage & more held at Alma. Auctioneers: Crossroads Real Estate & Auction, LLC.

July 27 — Land Auction consisting of Tract 1: 22 acres m/l with 19 ac. m/l tillable, 3 ac. m/l w/buildings; Tract 2: 23 acres m/l all tillable held live at Hesston with online bidding available at www. horizonfarmranch.com. Seller: Hesston College. Auctioneers: Horizon Farm & Ranch Realty, LLC.

July 28 - Land auction consisting of 595 acres m/l of Greenwood County Native Flint Hills Pasture, excellent water, 8 1/2-acre pond, good access held live at Madison. For online bidding go to www.sundgren.com. Auctioneers: Sundgren Realty & Land Brokers. July 29 — Annual July Con-

signment Auction consisting of 2700+ pieces of Machinery from area farmers & dealers held live at Paris, Missouri with Online Bidding provided by Equipment-Facts.com. Auctioneers: Wheeler Auctions & Real Estate (www.wheelerauctions.com).

July 29 — Land Auction consisting of 562 acres m/l of Marshall County Land (land located near Waterville) selling in 6 tracts held at Blue Rapids for Pishny Four, LLC. Online bidding available www.MidwestLanat dandHome.com. Auctioneers: Midwest Land

Page 11 & Home, Jeff Dankenbring, broker.

August 1 - Land Auction consisting of 76 acres m/l in Lincoln County: Excellent tillable & timber, great hunting held live at Lincoln for Mary Margaret Steinhaus. Online bidding available: www. horizonfarmranch.com. Auctioneers: Horizon Farm & Ranch Realty, LLC.

August 5 — Antique tractors & farm auction including 10 John Deere's & 2 Fords, 2003 Chevy 3500 dually, diesel, trailers, older farm equipment, shop & tools, 5 guns & safe, building materials for a shed & more held at Bern for Jerry Rice. Auctioneers: Ash Realty and Auctions (www.ashrealtyandauctions.com)

August 8 & 9 — Eastern Colorado Farms - Land Auctions consisting of 8,930 acres m/l offered in multiple tracts & combinations (Sedgwick, Phillips, Yuma, Kit Carson, Washington & Cheyenne County, Colorado & Wallace and Sherman County, Kansas). Quality irrigated & dryland farms, wind lease income on several tracts. Auctioneers: Hall and Hall in cooperation with Murray Wise Associates, LLC. Information at Halland-Hall.com

August 17 — Plumbing Business Liquidation auction held at Lawrence. Auctioneers: Elston Auctions.

September 2 – Estate Auction including truck, enclosed trailer, collector cars, collectibles, furniture & miscellaneous held at Lawrence for Mrs. (Jim) Barbara Butell. Auctioneers: Elston Auctions.

- October 14 Estate Auction #1 held at Lawrence for Bishop Family Trust. Auctioneers: Elston Auctions.
- October 21 Farm Auction held at rural Tecumseh. Auctioneers: Elston Auctions.
- October 21 Fink Beef Genetics Angus and Charolais Bull and Female Sale held at Randolph.
- October 28 Estate Auction #2 held at Lawrence for Bishop Family Trust. Auctioneers: Elston Auctions.

Transforming chicken manure into nutrient-rich fertilizer for crops phorus from the heat and

enabled it to form more

An international col- into biochar, a carbon-rich laboration between re- substance that is used as searchers from Brazil and the United States has ish critical nutrients like

a soil additive to replen-

soluble forms of phosphorus. Using the IDEAS and VLS-PGM beamlines at the Canadian Light Source (CLS) at the University of Saskatchewan (USask), the researchers were able to visualize the connection between phosphorus and magnesium and confirm the success of their technique.

not using the phosphorus that is already in the food chain, for example, by reusing the waste that is

tion with researchers of different backgrounds." Leite's study was developed at Cornell University, and carried out under the supervision of professors Johannes Lehmann (Cornell University) and Leônidas Melo (Federal University of Lavras, Brazil).

identified a process for turning poultry waste into a soil additive for agriculture

"Several countries have large poultry production, especially United States and Brazil, where agriculture is also concentrated," says Aline Leite. a post-doctoral researcher from the Federal University of Lavras in Brazil. "So, reusing a global residue generated in large amounts is an interesting way of promoting a circular economy."

The researchers harvested poultry manure from an experimental site in the United States, which they heated to turn

phosphorus.

"We are focused on understanding mechanisms that are responsible for increasing phosphorus availability in materials like manure," says Leite.

Poultry manure is full of calcium and requires higher temperature treatments to turn the waste into biochar, however, these higher temperatures can have an effect on the amount of phosphorus available.

In order to ensure that the biochar contained sufficient available phosphorus, the researchers enriched it with another mineral, magnesium, which protected the phos-

Their findings were recently published in the scientific journal, Chemosphere.

While phosphorus reserves are found across the globe, the nutrient is a finite resource. Finding ways to recycle the mineral is an important issue for scientists.

"There's no excuse for

already generated," says Leite.

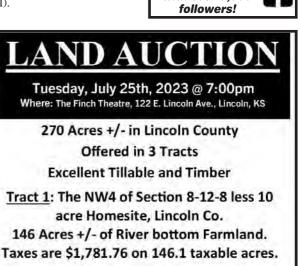
Leite says that synchrotron technology is essential for research into agricultural applications.

"This technology is extremely important for agriculture because it helps determine the concentration and forms of elements that are essential for plant growth," says Leite. "By accessing the distribution of elements and understanding potential impacts, it gives us a great perspective for sustainable agriculture. The effective use of this technology in the study was only possible due to an international collabora-REAL ESTATE

AUCTION

Facebook Page (Small surcharge will apply. Ad must also run in the paper.

Reach a Larger Bidding Audience with over 5,000 followers!



Tract 2: 37 acres +/- in the SE4 of Section 6-12-8, Lincoln County. 28 acres +/- of tillable. 10 acres +/- of timber and river. Taxes are \$315.36 on 37.4 taxable acres.

Tract 3: S2 of SE4 Section 8-12-8. Comprised of: 43 acres +/-of tillable 35 acres +/- of pasture Taxes are \$630.66 on 78.1 taxable acres.

Buyer to receive Landlords 40% of fall crops. Possession upon closing, subject to tenant rights.

Online bidding available. Complete details on website.

SELLER: The Heirs of Nola Cromwell Family Trust





www.horizonfarmranch.com



This stunning native stone property was originally built in the 1800's. With almost 3000 total square feet, a fenced ir backyard and a detached 2 car garage it offers tremendous space inside and out. As you enter the home, the features on the main story of the house

SCAN ME

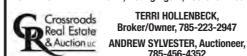
nclude a nice sized living room space, dining room, full main kitchen, laundry space, full bath, and a perfect sized office. The second floor features three bedrooms, a full bathroom, and as a conus a small kitchenette! On the third floor you will find another two large bedrooms fully equipped with mini splits. Make this 5 bedroom, 2 bath home your own!

REAL ESTATE TERMS: Property sells AS-IS, WHERE IS. 5% non-re fundable down payment is required on the day of sale by check. Buyer must be able to close on or before August 28, 2023. Buyer needs a bank letter of loan approval or funds verification. Cost of Owner's Title Policy to be split equally between Buyer and Seller. Buyers are responsible for understanding all zoning, building & other regulations associated with the property prior to the day of auction. 1% Buyer Agency Commission offered to licensees. Must preregister with Crossroads by Wednesday July 26 by 5:00pm and attend the auction to be eligible for commission All announcements day of sale take precedence over written materials Crossroads Real Estate & Auction LLC is representing the Seller

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PICKUP/PREVIEW LOCATION: 305 Broadway, Cottonwood Falls, KS 66845 700+ KNIVES: CASE: 100+ Case Trappers; (Case Trapper- Elvis Jedidiah Smith, 44 Mag Gun, General Custer, Johnny Cash, Joh Wayne x3, PBR, King Ranch, Stag Handles, Composition Handles Different Patterns) WR Case & Sons Pruners; Case XX 6220 SS Pea nut; Case Amber Stockman; Case Carhartt x4; Case Canoe Knive

x25; Case Winchester 62091; Case Muskrat x20; Case Amber Bo Scouts; Daddy Barlow; Magicians Knife x2; Case Muskrat 1 of 3000 Case Fishing Lure Set; Case Tony Boze: (TB62028 SS, 71028 SS Case XX TB61028 SS) CASE MÚSKRAT: (Harley Davidson, All Different Colors, SS Bullet) North American Fishing Club Legacy Knife Set; CASE BROTHERS: (610096 CV Yellow; 610096 SS Bone; 63094 Classic; 61098 SAB; 6391 Tested XX); Case 125 Year Anniversar Knife x5: 9254 XX; 61549 WL Bone; WR Case and Sons Cutlery Com pany 7 Knife Set; Kansas Knife Collector's Assoc .: (Queen Cut ery; 1st, 2nd, 4th, 5th, 6th Edition); Queen Toothpick; Tidioute Cutler Trapper and Calf Roper; Schatt and Morgan Gowanda NY Heritag Collection (9 Knives); REMINGTON BULLET: R-1306 x2; R-4243 Bul let Camp Knife; R-1173 Bullet; R-12 Trapper; RB-44, R-6785, R-2073 R-6675) Remington (UMC Boot Pocket Knife; R-1613, RS 3333 Bo Scouts, Remington Stockman's R3405, R-1253, R-3193, R-4635 R-395; Remington Water Fowl x3; Canoe; Sowbelly; Barlow; R-7 Turkey; 1187 Pump Shotgun Knife, 870 Pump Shotgun Knife); **BUCK** (Collectors Edition 372 and 380, 119 USA, 118 USA, 501 USA, 505 USA, 374 Fish Knife, 317 Riggers Knife, 500 w/ Duck Etched Blade SCHRADE: (Mac Tools Knife; Scrimshaw (Beavers, Bear); Western W49 Bowie; Much more, this a partial listing.

2-DAY ONLINE AUCTION

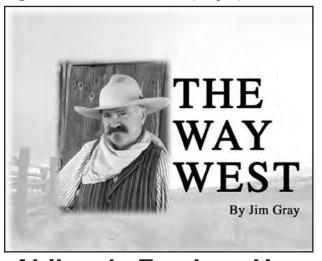
(2 Days - 700+ Lots of Pocket Knives, Swords & Skinning Knives)

Bidding OPEN at 1:00 PM on 6/12/2023 DAY #1 will begin Closing at 2:00 PM, Tuesday, 7/18/23 DAY #2 will begin Closing at 2:00 PM, Wednesday, 7/19/23

For full listing, terms & photos GriffinRealEstateAuction.com



THURSDAY, JULY 27, 2023 * 6:30 PM AUCTION LOCATION: Held Onsite: 318 E. 4th St., ALMA, KS DESCRIPTION:



Grass & Grain. July 11. 2023

Abilene's Fearless Hero

Abilene Kansas is well known as the famous endof-trail cattle town. Cowboys notoriously paraded through its streets, shooting and rampaging with wild abandon. Next to President Dwight D. Eisenhower, the name of Wild Bill Hickok is closely associated with Abilene. Wild Bill kept law and order on the streets of Abilene in 1871. Few cowboys chose to challenge his authority. However, Wild Bill was not the man who tamed the rowdy cowboys and turned Abilene's treacherous streets into a relatively tranquil dominion. Marshal Tom Smith led the way the year before, yet Tom Smith's story is relatively unknown.

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Abilene began as an

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end-of-trail cattle town in 1867. Each successive year the number of Texas cattle shipped from Abilene's stockyards increased, reaching fortv-four thousand in 1869. Abilene surged early in 1870 as trail herds with big rangy Texas cattle began to arrive and go into camp on the surrounding prairie. By mid-May drovers were already taking to the streets with pistols well displayed. The boisterous cowboys were too much for Dickinson County Sheriff H. H. Hazlett.. He turned in his badge, leaving Deputy James H. McDonald to fill the position. McDonald soon disappointed local officials by also turning in his resignation.

The city then turned

to a pair of St. Louis policemen. Surely the troubles of this little prairie town would not compare to the scrapes found on the tough streets of St. Louis. However, the cowboys on Texas Street were ready for the blue-uniformed policemen. Upon entering a saloon the lawmen were threatened and cursed. No one was willing to pay honor to the law on that day and very little order was enforced. The two policemen were only too happy to return to the railroad depot and the relative safety of far-off St. Louis.

As the cowboys celebrated another victory over civilization Abilene turned to yet another hope, "Bear River" Tom Smith. Smith had survived a shootout in Bear River, Wyoming, in 1868. He was marshal of the endof-track town of Kit Carson, Colorado, in 1869. He was every bit the image of the classic movie hero, described as, "...about six feet in height, and weighed about two hundred pounds; powerful, athletic man, very quick and active... He rarely carried a gun, but depended on his strength and agility in arresting and disarming the men he went after. He did not know what fear was... When the men got too boisterous, he would

go among them and if they did not obey, he would arrest and lock them up, knock them down if necessary and disarm them. They all respected him, for he played no favorites." When Tom Smith ar-

rived in Abilene he led his favorite mount, Silverheels, from the train, saddled up and rode down the middle of the street, inspecting the town. There would be no law and order in Abilene until the cowboys were disarmed.

Tom Smith accepted Abilene's job of marshal on June 4, 1870. He immediately set about posting "No Gun" signs about town. A cowboy soon challenged his authority, but just as quickly found himself flat on his back. Marshal Smith didn't use his guns. He used his fists! With the cowboy disarmed Smith continued posting signs. One by one he backed the tough hombres down. First it was Big Hank who fell before Smith's lightning fists. Then a crowd led by Wyoming Frank witnessed the fearless marshal dispose of Frank in the twinkling of an eye. Abilene was soon tamed as all offending desperadoes felt the sting of Bear River Smith's bare knuckles.

Sometime in July Smith took the job of Dickinson County Undersheriff, expanding his authority outside the city limits of Abilene. A horse thief by the name of Buckskin Bill rode all the way to Nebraska to elude the lawman, but Smith, of course, got his man.

Tom Smith seemed to never tire of the quest for justice. When neighbors northeast of Abilene quarreled, Smith was ready to help settle the fight. James H. McDonald had returned to the Dickinson County Sheriff's office and requested Smith to join him in serving a warrant. Undersheriff Smith and Deputy Sheriff McDonald rode out to Andrew McConnell's dugout with the warrant. But the officers didn't allow for Mc-Connell's neighbor, Moses Miles. While Deputy Mc-Donald held the horses, Tom Smith read the warrant for McConnell to surrender.

A gunshot suddenly exploded, rocking Smith back from the door. The ball had pierced his lung, but Tom Smith wasn't done, even though Deputy McDonald was already retreating toward Abilene. Smith regained his bearing, lunging forward to grip his assailant. As Smith was grappling with McConnell, Moses Miles came out of hiding, beating the wounded lawman repeatedly over the head with his pistol until he fell unconscious. The two villains then dragged the helpless Tom Smith to the woodpile where Miles picked up an ax and beheaded the man who tamed Abilene.

Marshal Tom Smith was buried in Abilene. A stone marker was placed over his grave in 1904. In part it reads, "Thomas J. Smith, Marshal of Abilene, 1870, Died a Martyr to Duty, Nov. 2nd, 1870: A Fearless Hero of Frontier Days, Who in Cowboy Chaos Established The Supremacy of Law." May his memory be preserved as long as stories are told 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.



Farmers & Ranchers AUCTIONS EVERY MONDAY & THURSDAY

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

NO SALES LAST WEEK

Early Consignments For THURSDAY, JULY 13, 2023

130 black, red & char strs 825-900; 70 charX steers & heifers, 600-800, weaned, open, 2 round vaccinations; 115 black & char steers & heifers, 500-700, long weaned, vaccinations; 36 black steers & heifers, 600-800, home raised, 2 round vaccinations; 90 blk heifers, 800-850, off brome; 70 mostly black heifers, 700#, long time weaned, 2 round vaccinations, no implants, open; 90 black heifers, 800-850, off brome; 30 black & red steers & heifers, 650-750, home raised, long time weaned; 100 black & charX steers & heifers, 700-800, home raised, vaccinated, off grass; 70 black steers & heifers, 650-750, home raised, long time weaned, 2 round vaccinations, off grass; 60 black steers, 900-925, off brome; 49 mostly black steers, 800-900, 2 round vaccinations, long time weaned; 60 black & red steers, 500-700, long time weaned, vaccinations. *PLUS MORE BY SALE TIME.*

We will be having a Special Cow Sale!

Livestock Commission Co., Inc. Salina, KANSAS SALE BARN PHONE: 785-825-0211 MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY Hoas 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.fandrlive.com SA.com LIVE CATTLE AUCTIONS ATTE FARMERS & RANCHERS HAS SWITCHED BACK to for our online auctions.

REMINDER!! Don't forget to get your Colts & Horses Consigned for Farmers & Ranchers FALL CLASSIC HORSE SALE OCTOBER 14-15, 2023

Tuesday, August 15, 2023.Get your cows, pairs, heifers & bulls consigned!Hors	Colt Deadline: July 15, 2023 ses age 2-older Deadline: August 1, 2023
Consignment Contract Farmers & Ranchers Livestock Comm. Co., Inc. For Catalog Horse Sales PO Box 2595 * Salina, KS 67402 Fall Classic Catalog Horse Sale & 26th Annual Colt & Yearling Sale Catalog Closes July 15th for colts & yearlings, August 1st for 2 yrs and older	
October 14-15, 2023 CATALOG FEE \$125 INCLUDE ALL FEES WITH CONSIGNMENT CONTRACT	
All horses <u>MUST</u> have a negative coggins test within 6 months of sale date!!!!! Name: Phone (C) (h) Address: City: State: Zip: Horse Name, Breed/Reg#: Color: Age: Mare / Gelding / Stallion	2023 F&R FUTURITY ENTRY FORM Deadline: RECEIVED BY September 1, 2023 NO EXCEPTIONS!!!! MUST INCLUDE THE \$200 FEE!! Requirements: Horse must be 3 years old and purchased and nominated at a Catalog Sale held by Farmers & Ranchers Livestock Entry Fee: \$200 per horse + If you are entering more than one horse, please copy this form and complete one for each horse. EACH RIDER MAY ONLY ENTER 2 HORSES1
Comments/Footnotes:	Horse Owner Horse Rider Address CityStateZip Telephone Horse's Name
Catalog Fee:**PLEASE INCLUDE COPY OF REGISTRATION PAPERS** (authorized signature) (authorized signature) Fall Classic Catalog Horse Sale- 2 yrs and older catalog fee \$125.00 (Saturday) 26th Annual Colt & Yearling Sale- Registered weanlings & yearlings catalog fee \$75.00 (Sunday)	Year Purchased Please complete this form and mail it along with <u>a copy of your</u> horse's registration papers and the \$200 entry fee
15th Annual F&R Futurity \$200.00 entry fee f the horse is passed out, the cost will be the catalog fee plus \$20 pass out fee. The catalog fee in non-refundable. Horses will be sold as registered only if papers and transfers are to F & R before the sale. Seller's check will be mailed out after 5 business days. Checks will be held on any and all incomplete paperwork until proper paperwork is turned into F&R. The commission will be 7% of the selling price or minimum of \$20. Consignor has the privilege to no sale or pass out his or her horse.	NO EXCEPTIONS!! (per horse) to: Farmers & Ranchers Livestock P.O Box 2595 Salina, KS 67402 785-825-0211 www.landrlive.com
f the horse is passed out, the cost will be the catalog fee plus \$20 pass out fee. The catalog fee in non-refundable. Notice: Videos are welcomed and encouraged. Our sales are nationally advertised and buyers travel many miles for the opportunity o buy your horses. Therefore, all consignments must go through the sale ring. NO ALLEY TRADING IS ALLOWED!! SOUNDNESS GUARANTEE All horses in catalog session are guaranteed sound unless otherwise noted. Soundness consists of ability to walk, breathe, see properly, not to crib, not to have a parrot mouth, or be a cryptorchid. Any other guarantees made or implied by consignor before, or after the sale of his or her horse are between the consignor and the buyer. Soundness guarantee extends 72 hours after day of purchase.	IN STOCK TODAY: • Heavy Duty Round Bale Feeders • Heavy Duty Feed Bunks
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Agenda, KS

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Lincoln, KS