

# arbon credit markets support prime soil heal By Lucas Shivers

An emerging carbon market highlighting solid soil health will be a feature presentation on Wednesday, Nov. 9 at 2 p.m. at the second annual Grass & Grain Second Farm and Ranch Show in Manhattan.

The Soil Health Workshop features K-State Department of Agricultural Economics' professor Nathan Hendricks and graduate student Micah Cameron-Harp, who are helping farmers learn about carbon markets and how to watch out for new opportunities.

"There are more concrete opportunities for producers to sign up for new carbon credits," said Cameron-Harp.

The presentation will explore the potential value of carbon credits and evaluate ways for landowners to possibly earn extra income as a result with soil health improvements.

"These are practices like no-till and planting cover crops that sequester carbon from the air and store it in the soil in order to offset carbon emission from the corporations that are buying credits," Cameron-Harp said.

#### **Opportunity Knocks for** Farmers

Carbon credits and soil health practices give a tradable permit or certificate to offset emission of one ton of carbon dioxide or other greenhouse gases by the credit holder.

"There's huge demand for carbon credits in recent years and ag producers have a chance to par-



Micah Cameron-Harp speaks to producers about soil health and the role carbon credits could play in the future.

ticipate in that market," Cameron-Harp said.

Currently, it's an entirely private market made up of buyers, intermediaries and sellers.

"The buyers seek carbon credits to offset their emission," Cameron-Harp said. "Intermediaries like Nori. Indigo and other consortiums match the sellers and verify the offset. The sellers implement a practice that sequesters carbon in the soil or reduces the greenhouse gas emissions."

Multiple corporations recently announced voluntary efforts to reduce carbon emissions by contributing to a carbon credit market.

"It's ballooned out of

corporate social responsibility efforts," Camer-on-Harp said. "We have companies like Cargill, PepsiCo and Cargill. They're looking at our supply chain, and think they have so many tons of carbon being emitted to try to offset that and to seques-

ter the carbon." To help farmers better understand how to enter the carbon market, the researchers analyzed factors that go into making a decision.

"We are taking this abstract marketplace where there are many players and distilling it down to what's pertinent to a Kansas producer," Cameron-Harp said.

To be successful in this

Courtesy photo

arena, producers often adopt at least one regenerative practice such as cover crops, improving cover crop diversity, expanding cover crop growth periods, reduced tillage or fertilizer as well as more crop rotations. All of these support soil health and sustainability.

"Producers can adopt some of these practices to generate these carbon credits," he said.

**Dollars and Cents** said Cameron-Harp

most buyers in the carbon market are currently paying around \$15 per carbon removal ton. "Right now, there is not an interplay between supply and demand, so that

is what you're going to get

at this point in time. Ultimately, the goal is that this will become a free market," Cameron-Harp said. "In such a case, we would see the price fluctuate and these marketplaces are hoping to achieve this in the next couple years."

In some parts of the European Union, buyers are currently paying as much as \$55 per carbon removal ton. The price of carbon was at a high of \$68 per ton in May 2021.

"It's really important to look into each of the contracts and realize each of these is different and not just go for the highest price," he said.

In terms of demand. 93 million carbon credits were purchased in 2020. About one-sixth were purchased from agricultural sectors.

"At \$15 a credit, this is roughly 1.4 billion dollars and the volume of sales increased by 33% since 2019," he said.

For example, of the 1.3 million metric tons of offsets Microsoft contracted for 2021 almost 200,000 metric tons are from soil carbon sequestration.

"Something that would drive the price higher in the United States is if there was a point where some kind of regulatory pressure was put on companies to reduce their emissions," Hendricks said. "If other companies had that, it would drive up the demand for how much they're willing to pay for carbon credits."

**More Considerations** To verify these mea-

Friday, October 6. Vendors

and exhibitors are always

needed. For more infor-

mation about this event,

please visit www.dickin-

soncountvhistoricalsoci-

ety.com or call the muse-

um at 785-263-2681.

sures, most methodologies use a Model and Measure Approach. There are other ways to model soil carbon from technology and also incorporate site-specific soil samples.

Cargill is currently enrolling producers in Illinois, Indiana, Ohio, Missouri, Arkansas and Tennessee. One intermediary company called TruCarbon by TruTerra is launching in 2021 and paying \$20 per ton.

Within another organization called the Ecosystem Services Market Consortium (ESMC), there is one project in Kansas with General Mills focused on wheat acreage. ESMC hopes to produce credits for additional services around water quality, erosion control and more.

Farmers considering getting into the carbon credit market should ask some key questions before signing a contract, including how long of a commitment are you making? Is there a tenant-landlord relationship to consider? What data will you be required to provide? How will the buyer use the data you provide?

"There are a lot of factors to consider; it's not just signing up for the highest payment and going with it," Hendricks said. "You need to look at the data requirements for each place you go to, and each producer needs to use their best understanding of where this market is going to go.'

#### **Flint Hills** Discovery **Center receives** state tourism grant to fund new exhibit

The Flint Hills Discovery Center (FHDC) has received a Tourism Attraction Sub-Grants for Kansas (TASK) award in the amount of \$200,000 to help build a new immersive virtual Flint Hills exhibit. On October 27, 2022 the Kansas Tourism office announced a TASK grant award in the amount of \$200,000 to go to the Flint Hills Discovery Center in Manhattan. This funding will be matched by the Flint Hills Discovery Center Foundation to fund a new immersive virtual Flint Hills experience to enhance the Discovery Center visitor experience, improve regional quality of life, and positively impact the Manhattan and state economies. The proposed exhibit, called Stepping into the Prairie, will use high-definition projectors, surround sound speakers, and motion sensing devices to create a virtual Flint Hills environment that reacts to guests in the space. The exhibit will feature the sights and sounds of the tallgrass prairie digitally recreated to produce an immersive educational experience. The goal of the TASK program is to provide one-time funding opportunities for the development of new or enhancement of existing tourism attractions in the state of Kansas. The Flint Hills Discovery Center is one of only eight Kansas sites receiving a grant. Funding for the TASK program is through the U.S. Economic Development Administration (EDA) Travel, Tourism, and Outdoor Recreation state grants. A total of

#### Day celebrates 44 bilene year itage I tor drive taking place on

#### **By Amy Feigley**

In 1978, the grounds of the Dickinson County Heritage Center in Abilene was getting ready to host a brand-new event; an event that would become a familiar tradition to not only the community of Abilene, but to other surrounding counties, too. And now, forty-four years later, this event is still on the books each year and the people keep coming back for more. Formerly known as Chisholm Trail Day, this event, which changed its name in 2018 to Heritage Days, pays homage to the rough and rowdy cowboy days in Old Abilene Town when Tom Smith and Wild Bill Hickok would roam the streets to make sure that the cowboys were kept under control. According to Austin Anders, Director at the Dickinson County Heritage Center. there were 837 in attendance at this year's event, which was held the first weekend in October, as it is every year. With a variety of events on the agenda, there is truly something for everybody in your family. Those in attendance were able to see wool spinning, sheep shearing and goat milking, as well as jewelry demonstrations. The Kellogg Schoolhouse was open and waiting for students to come in and learn for the day. The wood-burning stove at the Volkman Cabin was lit and ready for goodies to be baked for the crowd.

it be an old muscle car or a Model A that your great-grandad would have driven, the car show is something that attracts all ages of people. Rod Riffel has been in charge of this show for the past ten years. Prior to that, he helped Ron and Sandy

learning about chickens. using the hand corn sheller, and riding the carousel. This gives the children an idea of how times used to be. That Friday was also the day that 13 tractors were seen going from the Dickinson County Heritage Center to Gale

and Dee Rodda's home for a ten-mile journey. This is something that was started last year and gives those tractor owners another opportunity to show off their heauties

Next year's event will be held on Saturday, Octo-2023 with the trac-

The west side of the grounds featured a variety of classic cars. Whether Bollinger with this event. This year there were 35 cars for attendees to see.

On the east side, Larry and Judy Sorenson are helping the 47 tractor exhibitors get set up. The couple has been in charge of this side of the event for twenty-plus years and do not plan to stop any time soon. This year's feature tractor was a Massey 101. The tractor show, which began in 1992, is something that takes you back in time when dad would have crawled on his John Deere 970 and hooked up his plow and headed to the field. These old tractors are where a lot of the farmers started.

Vendors at this event included everything from local honey, woodworking items, farmers market items, quilts, repurposed primitives, home décor, and vintage antique items. A variety of activities for the children, along with ag demonstrations, which included threshing, corn shelling and planting wheat with a horse-drawn planter, are just a few of the reasons the attendees keep coming back.

Anders said that the Friday before the event, Dickinson County fourth graders were able to go through seven demonstration stops which included living history in the cabin,



The blacksmith demonstrations are always popular at the Heritage Day celebration in Abilene. This event, which was formally known as Chisholm Trail Day, pays homage to the days of cowboys and cattle in Old Abilene Town. The event recently celebrated their 44th year on the first Saturday in October.



The apple press at the annual Heritage Day festival in Abilene is sure to draw a crowd. Apples are put through the press, with the juice coming through and being sold for twenty-five cents a cup. Local 4-H clubs are normally in charge of this event.

• Cont. on page 3

# Grass & Grain, November 8, 2022 Governor seeks public input on wildfire prevention and response

Governor Laura Kelly has called on Kansans to share their thoughts on how the State of Kansas can better prevent, respond to, and recover from wildfires. The Governor's Wildfire Task Force, established by Kelly this past July, is seeking public input as it takes a comprehensive look at mitigating wildfire threats, reviews how local and state officials respond to such emergencies, and consid-ers how to better support communities impacted by wildfires.

"Wildfires take a devastating toll on Kansas fami-

sentiment

Farmer

lies and businesses, which is why we want to hear directly from the people most impacted by these disasters," Kelly said. "If you have thoughts on how our ståate can prevent or better prepare for future disasters, please let the Wildfire Task Force know. Together, we will continue working to protect our first responders, our farmers and ranchers, and our communities.<sup>4</sup>

The Governor's Wildfire Task Force was founded in the wake of Kansas experiencing several largescale wildfires. Over the last five years, the Kansas State Fire Marshal has received reports of an average of 6,000-plus wildland fires each year. Since 2016. the state has experienced three large wildfires that burned over 800,000 acres.

The Task Force is led by Kansas Secretary of Agriculture Mike Beam and includes bipartisan representatives from local, state, and federal agencies and organizations. The group has met several times since its creation.

"Reducing the fuel load to mitigate the risk of large-scale wildfires is a high priority; it will involve many partners and Ag Economy Barometer declines again, producers

may look not look the same across the state, as different regions have different needs and challenges,' Secretary of Agriculture Mike Beam, Chair of the Task Force, said. "We have been engaged in extended discussions about the critical impact of wildland fires and look forward to input from the public on these issues.'

Public input can be submitted on the Kansas Department of Agriculture's website: www.agriculture. ks.gov/WildfireTaskForce. Submissions can be made through the end of November.

**Prairie Ponderings By Donna Sullivan** As this week's issue

lands in your mailbox, our second Farm and Ranch Show has gotten under way in Manhattan. I hope you will venture to the Little Apple and come see us at the National Guard Armory. This show is truly a labor of love that we have worked very hard on for the past year. We're a small staff of six people and putting the show together is only second in priority to putting this paper out every week. I'm very thankful for my staff and the amount of effort they put out each and every day. I'm bless-

Once the show is over, I need to quickly turn my attention to one of my favorite activities for this time of year – filling shoe boxes for Operation Christmas Child with my grandchildren. Collection week is November 14-21, so we don't have a lot of time left. I did it with my three granddaughters that live in Iowa last month when I was there visiting, but the local kids and I will need to get busy to get theirs completed in time.

producers chose interest rate policy as the most ed to work with them.

What many people don't realize about the shoe boxes is that it actually takes a year for them to reach their destination.

weakened again in October as the Purdue University/CME Group Ag Economy Barometer dropped mance. ten points to a reading of 102. Both barometers' sub-indices also declined this month. The Current

Conditions Index dipped 8 points to a reading of 101, while the Future Expectations Index dropped 11 points to a reading of 102. 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 Oct. 10-14.

"Concern over rising interest rates grew once again in October and is adding to the unease among producers who are worried about its impact on their farm operations,' said James Mintert, the barometer's principal investigator and director of Purdue University's Center for Commercial Agriculture. "Additionally, challenging shipping conditions throughout the Mississippi River vallev have hampered exports recently, and the corresponding widespread weakening of

corn and soybean basis levels could be contributing to heightened unease about financial perfor-

express concern about interest rate policy

Producer concern about the financial performance of their farms was one of the primary drivers of weakening sentiment in October. The Farm Financial Performance Index fell 13 points this month to 86 and was a distillation of producers' concerns about high input costs combined with weaker commodity prices. Looking ahead to next year, over 40% of producers viewed high input costs as their top concern, followed by 21% who chose rising interest rates, 13% who chose lower output prices and 13% who chose input availability.

After dipping to a new record low last month, the Farm Capital Investment Index improved 7 points last month to a reading of 38. Producers who viewed this as a bad time for large investments revealed that increasing prices for farm machinery and new con-struction (40% of respondents) was the primary reason for their negative outlook, followed by ris-

ing interest rates (20%) and uncertainty about farm profitability (17%). expecta-Producers'

tions for short- and long-term farmland values rose this month. The Short-Term Farmland Value Expectation Index rose 10 points to a reading of 133, while the Long-Term Farmland Value Index rose 5 points to 144. Strength in both indices comes on the heels of reports from farmland auctions around the Corn Belt that land values are setting new record highs again this fall. Even with this month's rise, both indices remain weaker than a year earlier. The shortterm index this month was 15% lower and the longterm index was 11% lower than in October 2021.

Farm policy discussions are under way as Congress prepares for debate on a new Farm Bill in 2023. As a result. several farm policy related questions were included in this month's barometer survey. Crop producers were asked which two policies or programs would be most important to their farm in the upcoming five years. More than one-third (36%) of crop

important policy issue for their farming operation, followed by the crop insurance program (27%), environmental policy (16%), conservation policy (11%) and climate policy (10%). When asked how effective the current ARC-County and Price Loss Coverage (PLC) programs are at pro-viding a financial safety net, 72% of respondents rated the two programs as either "somewhat ef-fective" (61%) or "very ef-fective" (11%). When the same question was posed relative to crop insurance, 84% of respondents rated it as either "somewhat effective" (56%) or "very effective" (28%).

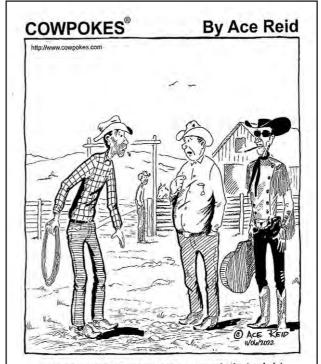
Each month, the Purdue Center for Commercial Agriculture provides a short video analysis of the barometer results. For even more information. check out the Purdue Commercial AgCast podcast. It includes a detailed breakdown of each month's barometer, in addition to a discussion of recent agricultural news that affects farmers.



By the time you read this, Election 2022 will be in the books. There will be nothing left except the crying, whining and news over-analyzing what happened. Whoever thought that car and fast-food ads would be such a welcome sight? Maybe the phone ringing will just be the guy worried about my car's extended warranty. I certainly will enjoy the time of relative peace and quiet. 2024 is a presidential year so I figure we will have until January before it all starts up again. Just like campaign 2022, harvest 2022 is in the books for me, too. This is one of those years where I am incredibly grateful for anything. Harvest wasn't good by any means, but it wasn't as bad as it could have been. I kept telling myself as I combined below average soybeans, I was one of the lucky ones; I had something to combine. In the end, there really isn't much we can do but take what we are given and give thanks for that. I did notice this year that there are three stages of harvest. The first stage is the anticipation and the first few days of harvest. It's almost like Christmas morning except it requires many trips to town with a coffee can or ice cream bucket full of grain. You get up early and can't wait to get to the field, everything is exciting. Will it be a good year, or will things go south? The first few days determine so much of my attitude for the rest of harvest. My excitement lasts for about three days or until the first major breakdown or the first poor-yielding field. This is definitely the best part of harvest. Well, maybe not but I will get to that later. Then comes the harvest grind. The weeks in between the beginning and the ending. You feel like the Dunkin Doughnut guy meeting yourself coming and going. It looks and seems like harvest will never end. Breakdowns, no matter how minor, will send you into a tirade. There are many moments where, at least for me, I find myself in the combine, things are going well, and the machine is humming along. Those are the moments you realize things are not so bad and this really is kind of fun. The sun is shining, crops are dry, and harvest is moving along like a well-oiled machine. Enjoy those times because they

#### are fleeting.

Then comes the time when you realize you are sitting in a cab littered with pop cans, water bottles, fast food wrappers and miscellaneous tools and you wonder how it ever got this bad. Every year I say I am going to keep the cab cleaner and eat better during harvest. That usually lasts the first three days. Sometime during harvest, I will get disgusted enough to start chucking trash out the door. Rain is welcome unless it lasts too long during this period. It is a time of rest and healing and hopefully not repairs. Then comes the final two or three days. The anticipation of seeing the light at the end of the tunnel is almost too much to bear. People and machines are limping into each day, with the mantra of "If it will just hold together long enough to finish." Each clank, bump or squeal makes you grit your teeth. You just want it to be over so you can move on to all the things you have neglected over the past couple of weeks like being human. That last day is like seeing the end of a marathon, just keep putting one foot in front of the other. You don't dare say what you might do because we all know it will jinx everything and you might have to start over. As the last afternoon wears on your pace picks up just a little as the end is attainable if everything just holds together. Turn rows are agony because they take too long. Then finally you are on that last round, and it is the best feeling, well, since the start of harvest. A rush of relief sets in, you start to think maybe it wasn't so bad and maybe I don't need to change careers. Then it is over, you are done. At least for me, I shut down and walk away for a couple of days, I don't even want to clean things up. Just sheer delight and relief and, if we were honest, a little sadness, too. Just like Christmas, it seems like all of it is over too soon and you realize it will be almost another year before you get to harvest again. This may have been in jest, but I know each year I finish, and I end with a little prayer, thanking God for allowing me to do what I do and being grateful for another year.



So the boxes we packed last year are being distributed to children this Christmas. Each time when we set out on our shopping trip I remind the kids that although they have no idea who will get the box they are packing, God knows exactly who is going to receive each one. So we pray that He will guide the selection of the items we place in each box.

When I was in Iowa, I decided to look up where last year's boxes are going this year and I was completely blown away by what I found. They are being distributed to children in Ukraine. Last year as those boxes were being packed and the destination was being decided upon, Russia's invasion had not yet occurred. But God, in His omniscience, foresaw the need and provided. This Christmas, children whose lives have been completely upended by war, will receive shoe boxes filled with toys, hygiene items, school supplies and more. But even more importantly, they receive a message that there is a God who loves them and is with them even in the midst of such heart-rending difficulty.

While we're all recovering from the latest election and bracing for the next one, take a minute to give thanks for the relative safety we live in. Despite all the political wrangling and turmoil, we put our children to bed without fear that a bomb will drop on our house in the night. We aren't hiding in basements fearing for our lives while their educations and very childhoods are interrupted by war.

If you've never packed a shoe box for Operation Christmas Child, you might think about doing so. It's not too late for this year. And I truly believe that each and every box will make a difference in the life of a child.

"He said he ain't gonna do no work that might cause him to hurt his guitar pickin' hand!





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#### **GRASS & GRAIN (USPS 937-880)**

The newsweekly for Kansas and southern Nebraska, published each Tuesday at 1531 Yuma (Box 1009), Manhattan, KS by Ag Press, Inc. Periodicals postage paid at Manhattan, Kansas and additional offices. Postmaster send address changes to: Ag Press, Box 1009, Manhattan, KS 66505.

Subscription — \$80 for 2 years. \$43 for 1 year, plus applicable sales tax. Outside Kansas, \$53 for 1 year, \$99 for 2 years.

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#### Grass & Grain, November 8, 2022 Page 3 The Federal Reserve's efforts to temper inflation and cool the economy will continue

The Federal Reserve is finding it harder to cool the economy than almost anyone expected. Most corners of the U.S. economy are performing very well considering the Fed has been aggressively raising rates for seven months. Manufacturing continues to expand, consumer spending remains strong, the labor market is still extremely tight and Q3 GDP data will likely show solid growth

While the rate increases have done little to cool spending and tamp down inflation, critics are increasing their calls for the Fed to stop raising rates. The argument is that further monetary tightening will have catastrophic effects on the U.S. and global economies, and that inflation is about to fall precipitously. According to a new Quarterly report from CoBank's Knowledge Exchange, the Fed does not see it that way, nor should it.

"To date, there is no solid evidence that inflation is on a steep downward path and there is also little evidence that higher rates are severely damaging the economy," said Dan Kowalski, vice president of CoBank's Knowledge Exchange. "Ultimately, to get inflation levels down, the willingness or ability of consumers and businesses to spend must also come down. That means rate hikes will continue until the Fed achieves its mandate of price stability. Unfortunately, that increases the likelihood of collateral damage coming in the first half of 2023.'

There are signs of slowing, however, which are the first cracks to form from monetary tightening, noted Kowalski, Consumer credit is on the rise while savings rates are falling. And wage growth is falling even as inflation remains high, reducing consumer purchasing power.

In contrast, the energy and agri-food sectors have gained unexpected levels of pricing power as supply shortages now appear to be medium-term challenges. Risks and uncertainty remain exceptionally high, but elevated commodity prices also offer opportunities

> Grains, Farm Supply and Biofuels

Grain prices remained volatile throughout the third quarter, finishing mostly higher. U.S. corn and wheat futures rose 11% and 8%, respectively, partly offset by a 2% drop in soybeans. On farm grain storage is above 2021 levels for the three major crops, potentially signaling a stronger harvest-time basis this year. Corn and soybean exports for the new crop marketing year are up 13% over last year. However, grain transport expenses could remain higher as low water levels on the Mississippi River caused a spike in barge rates. And Russia is now indicating it may not extend its agreement to allow Ukrainian grain exports via the Black Sea, which would send grain

prices upward Despite a slow start to the spring planting season, ag retailers successfully managed crop input inventories and had a very good summer agronomy season. Domestic fertilizer prices fell by 5%-16% in Q3 amid a massive correction in energy prices. However, prices have been rising as harvest gets underway and farmers shift their attention to fall application season. Russia's war with Ukraine continues to impact global supplies and prices for nitrogen, phosphorous and potassium fertilizers.

production Ethanol continued to trend down as Q3 came to a close, concurrent with recession fears, lower gasoline demand and capital market volatility. The most significant event of the quarter was on the policy front, with the passing of the Inflation Reduction Act of 2022. The legislation provides strong current and future support for renewable energy, and biofuels in particular.

#### **Animal Protein and** Dairy

The slowing global economy and unrelenting food inflation are concerns for red meat and poultry demand into 2023. Consumer willingness to pay higher prices for meat and poultry since the start of the pandemic encourages optimism, however. USDA forecasts domestic per-capita red meat and poultry consumption at a new record high of 225 pounds in 2022.

capita chicken Per consumption will likely set new records in coming years given chicken's appeal to budget-minded consumers. While broiler chick hatchability has been an issue over the past few years, weekly incubation rates have improved, and chick placements are up 5% year-over-year. Export markets remain favorable for broiler meat despite numerous HPAI outbreaks which commercial broiler facilities have largely avoided.

Beef markets remained generally strong throughout Q3, with prices for live cattle 13% higher than a year ago. Cattle slaughter numbers have surged in recent weeks and are running 4% above the five-year average. To date, strong beef demand has largely overcome swelling retail prices. This is spurring optimism as cattle supplies erode, which will inevitably force beef prices higher.

While the hog market is softening, prices were remarkably strong in Q3 with cash lean-hog prices topping \$1.20/lb. in early August. Pork cutout prices spent much of the quarter above \$120/cwt, a level about \$50 above the fiveyear average. China continues to slow its pork imports, leading to a 16% reduction in total U.S. pork exports year-to-date. However, Mexico and other destinations have helped pick up some of those loss-

The U.S. dairy cow herd continues to show only incremental growth, despite record high milk prices and positive margins. High feed and labor costs. combined with tight heifer availability, are limiting herd growth. Class IV milk continues to hold a premium to Class III, elevated by rising butter prices which reached record highs last quarter. Butter supplies remained extremely tight, down 22% year-over-year. The USDA has raised its forecast for U.S. dairy exports to a record \$9.5 billion in 2022.

#### Cotton, Rice and **Specialty Crops**

Cotton prices plummeted as worries about a global economic slowdown intensified. With harvest in most of the U.S. in full swing, any further

surprises on the supply side seem unlikely. The market is now focused on export sales and, beyond that, 2023 planted acreage. Given the current lb./bushel price ratios, a sizable reduction in U.S. planted acres next year wouldn't be surprising.

U.S. rice prices climbed last quarter after India, the world's largest rice exporter, banned exports of broken rice and imposed a 20% export tariff on several varieties of white rice. USDA reduced its export forecast for India by 2 million metric tons as a result. The U.S. rice crop is expected to be the smallest since 1993/1994 due to fewer acres and lower yields. With global supplies tightening, USDA is projecting record high prices for U.S. producers.

Sugarbeet harvesting throughout the Red River Valley is nearing completion, with yields and extraction rates varying by location. But processors should have ample supplies assuming normal winter weather preserves beet conditions into early spring. The Louisiana sugarcane crop is in excellent condition, particularly in relation to 2021 when Hurricane Ida hindered yield potential. Despite record high wholesale prices, U.S. per capita sugar consumption hit a record high in fiscal year 2021/22 at nearly 75 lbs.

Reservoirs feeding key specialty crop growing regions of the Western U.S. entered the new water year on Oct. 1 at historically low levels, implying another tight year for water allocations. With a La Niña weather pattern possibly continuing into its third year, the outlook for precipitation needed to raise reservoir levels is dim and growers are bracing for more fallowed acres

Power, Water and Communications The rapid increase in exports of U.S. liquid natural gas has converted the U.S. natural gas markets from a mostly captive pricing market, to one that is at least partially exposed to world prices. The increased demand for exports has lifted long-term domestic natural gas prices from \$3-\$4/MMBtu to a \$4-\$5/MMBtu window and possibly higher. The incremental demand doesn't pose a challenge from a supply perspective. But it has been added in such an abbreviated time frame producers may find themselves scrambling to satisfy a soon-to-be crowded marketplace.

T-Mobile and Verizon dominated the home broadband market in Q3 with aggressive price packages for fixed wireless bundled with smartphone plans. Broadband operators located in smaller or rural cities could face competitive threats if the national wireless operators decide to target these markets. Apple announced its iPhone14 with limited satellite connectivity, bringing rural Americans one step closer to a broadband connectivity option they haven't had previously.

Read The Quarterly. Each CoBank Quarterly provides updates and an outlook for the Macro Economy and U.S. Agricultural Markets; Grains, Biofuels and Farm Supply: Animal Protein: Dairy: Cotton and Rice; Specialty Crops and Rural Infrastructure Industries.





**Flint Hills Discovery Center receives** state tourism grant to fund new exhibit

#### Cont. from page 1

\$1.5 million was set aside for the TASK program

"We are so excited to announce our latest exhibit enhancement for the Flint Hills Discovery Center that combines the latest in immersive exhibit technology with the timeless qualities of the tallgrass prairie." Stephen Bridenstine, Flint Hills Discovery Center assistant director said. "This grant award from the Kansas Tourism office is yet another testament to the strength of our mission and our ongoing success as a regional attraction."

"Creating this new permanent exhibit continues our efforts to create a destination attraction that guests and our community members alike will want to visit again and again" said Susan Adams, Flint Hills Discovery Center Director.

The Flint Hills Discovery Center Foundation, a private nonprofit organization, is providing a funding match in the amount of \$200,000 for a total exhibit project cost of \$400.000.

"The FHDC Foundation is thrilled to have this opportunity to support a dramatic addition to the first floor of the Discovery Center." said Bruce Snead, Foundation president. "We know our supporters will jump at the opportunity to raise the matching funds to make this dream a reality."



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Kellee George, Lenexa, Wins This Week's Grass & Grain Recipe Contest And Prize Winner Kellee George, Lenexa:

HILLBILLY CHILI

2 pounds ground beef

- 1 1/2 tablespoons chili powder
- 2 tablespoons onion
- 1 can diced tomatoes with juice
- 1 can diced tomatoes & green chiles with juice
- 8 ounces tomato sauce

1 can kidney beans, drained & rinsed

- 1 can chili beans, drained & rinsed
- 3 cups beef broth

es, well drained

1/2 cup rolled oats

1/4 cup flour

1/4 cup butter

1/2 cup brown sugar

1/4 teaspoon cinnamon

Arrange peaches in an

8-inch pan. In a small bowl

combine oats, brown sugar.

flour, cinnamon and nutmeg.

Cut in butter until coarse

crumbs form. Sprinkle over

peaches. Bake at 400 degrees

Rose Edwards, Stillwa-

SPEEDY BEAN SOUP

2 cans condensed bean &

bacon soup, undiluted

for 15 to 20 minutes.

ter, Oklahoma:

1 soup can water

EALED

1/4 teaspoon nutmeg

4 ounces angel hair pasta, broken into thirds, cooked Shredded Cheddar cheese for topping

Sour cream for topping

Brown onion and ground beef. Add all ingredients except pasta, cheese and sour cream. Simmer for an hour or so then add pasta. Simmer a few minutes. Serve with sour cream and cheese. \*\*\*\*

Millie Conger, Tecum- 1 onion, finely chopped seh: "Good with ice cream." 1 teaspoon salt PEACH CRISP 29-ounce can sliced peach-

In a large soup kettle

Jackie Doud, Topeka:

- Stuffing mix
- 1 1/2 cups chicken broth thawed

1 can cream mushroom soup 1 chicken, cooked, boned & shredded

Stir together stuffing and broth in the microwave for 3 minutes. Pour into crock-pot with broccoli and cream of mushroom soup. Cover and cook on low until broccoli is tender, 2-3

3 cans Great Northern or navy beans, undrained 1 can pinto beans, undrained

\* Final Expense

BD

AND

1/2 teaspoon garlic powder 1/4 teaspoon pepper

combine all ingredients. Bring to a boil and simmer 20 minutes. Makes 3 quarts. \*\*\*\*\*

# **STUFFING & CHICKEN**

1 box Chicken Stove Top

12-ounce bag broccoli cuts,

2 cups Cheddar cheese, shredded

hours. Twenty minutes before done, add chicken and

AUCTION

stir. Top with cheese and cook until melted.

Kimberly Edwards, Stillwater, Oklahoma: **COFFEE ALMOND CLUSTERS** 1 pound light brown sugar

Few grains salt

- 3/4 cup evaporated milk
- 1 tablespoon butter
- 1 teaspoon instant coffee (drv) 3 cups whole blanched al-
- monds

#### Holiday Hues: Keep Poinsettias In The time about if we were going **Dark To Encourage New Blooms**

#### By Maddy Rohr, K-State Research & Extension news service

MANHATTAN — It is never too early to begin preparing for the Christmas season, starting with the floral symbol of the holidays. Kansas State University horticulture expert Ward Upham said there is a unique way to rebloom poinsettias saved from last year.

He said that poinsettias are considered "short-day" plants, meaning they require short days and long nights to flower.

"Originally, it was thought that short-day plants needed a short duration of daylight in order to flower," Upham said. "Now we know that flower formation is actually triggered by long periods of uninterrupted darkness.'

The red and green plant requires 12 hours of complete darkness in 60-65 degrees Fahrenheit for every 24-hour cycle. Upham recommends placing the plant in a closet or covering it with a cardboard box to ensure uninterrupted darkness.

"If you use a cardboard box, tape all the seams with duct tape to cut off any light," he said.

During the day, poinsettias can be placed in the sunniest part of the house at 65-75 F. Exposing the plant to the sun is necessary for energy conversion, which impacts the color of the flowering.

It is recommended to start the dark treatment early. as it takes 8-11 weeks for the poinsettia to flower. Upham yes suggests starting in late September or early October. The first six weeks trigger the reblooming process and the remaining time is when the flowers begin developing.

While this can take significant effort and scheduling, Upham said for every night you miss during the first six weeks, add two days to the bloom time. After the buds have set, there is no longer a need for the dark treatment.

Upham and his colleagues in K-State's Department of Horticulture and Natural Resources produce a weekly Horticulture Newsletter with tips for maintaining home landscapes and gardens. The newsletter is available to view online or can be delivered by email each week.

Interested persons can also send their garden and vard-related questions to Upham at wupham@ksu.edu, or contact your local K-State Research and Extension office.

Links used in this story: K-State Horticulture Newsletter, https://hnr.k-state.edu/extension/info-center/newsletters/index.html

K-State Research and Extension local offices, https://www.



spective.

"You are the calming voice that Uncle Skip always was. Regardless of what is happening, I hear my Uncle Skip in you when you assure me that it's okay to talk to you. Doesn't matter what it is, you listen without bias, and you are forever on Team Michele. "You are the twinkling eyes that my great-grandpa always had. When you look at me, I see that same twinkle, that same deep love.

Not only are you both physically strong but also mentally and emotionally strong. The emotional strength isn't necessarily something I realized I needed but I definitely did, and I am so thankful for

"You are the lover of animals that my grandpa always was. You hesitate to kill spiders, you rescue beetles and frogs, you walk Hannah home when it's late and you love my furry friends just as much as I do.

"You are the boyish sense of wonder and joy that is completely JD. Your ability to separate from the stresses in life and just have fun not only drives me completely crazy but is also something I continuously try to learn from you.

'You are the unconditional love that has and always will be my dad. You love me without question, just like he always has. It doesn't matter how homeless I look, how difficult I am being or what I have, you love me like he always has, always without hesitation or stipulations.

"So many amazing men have shaped the world I grew up in, teaching me what a good man, partner, friend, husband, and dad look like. Kyle you are not only the best parts of all of them but also my favorite parts of all of them while still being 100% you.

"I will never understand how I got so lucky to find you, nor will I understand how I got lucky enough to find a person that encompasses all the qualities that I have grown up seeing in the amazing men that have surrounded me, but I am forever thankful that I did.

"Today we will leave here as husband and wife, and Kyle, there is no one else in the world I'd rather take this next step with. Life will surely be difficult at times, but there is no one I'd rather face it with. There is no one I'd rather laugh with, cry with, parent with or flat out be with. I will love you until the end of time and I am so excited to start this next chapter with you.'

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

Mix brown sugar, salt, evaporated milk, butter and dry instant coffee in a saucepan. Stir over low heat until sugar is dissolved. Increase

heat and cook until mixture

comes to a rolling boil. Con-

tinue cooking and stirring

5 minutes. Remove from

heat and stir in nuts. Using 2 spoons lift out almonds in clusters onto aluminum foil. Let stand to cool. Kyle and I had gone back and forth for quite some to write our own vows or not. After chatting with our officiant, Ronnie Roberts,

we opted to not write vows but to each write out something to be read to the other person at the beginning of the ceremony. I wrote and rewrote this multiple times, but in the end, I felt like this was the most authentic to me and fully told of my love for Kyle. Unfortunately, I was unable to invite all of you to the wedding, but thought this might be a way for everyone to be a part of it. Enjoy!

"Kyle! We made it! "I've been asking you every day for the past two weeks if you still wanted to marry me. Through all the stress, my many mood swings and my inability to just relax, you've continued to say

"I've asked you why, you've chuckled and said everything from because you love me to telling me it's because you love my big heart and who I am

"What you haven't done is ask if I still want to marry you... don't worry, I do; nor have you asked me why, but again, don't worry, this beautiful day is allowing me to answer those questions.

"Kyle, I have wanted to marry you for just about as long as I have known you. You might not be the farm boy that I thought I wanted, but you are everything I ever needed. I have always looked towards the men in my life, to set examples of what my future husband should be and Kyle, you are the best parts of all of them.

"You are the laughter that Andy has always provided. You make me laugh, mostly at your jokes, but sometimes just at you.

"You are the voice of reason that Mike has always been. You never hesitate to help me to dissect the world around me and to come to look at things from a different perspective, sometimes a much-needed different per-

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Jim- The Answer Man!

# G&G Announces Its Annual Holiday Recipe Contest

Nov. 22 through Dec. 20

In observance of the holiday season, Grass & Grain will award the weekly winners \$40 in addition to the gift. **Recipes received NOVEMBER 10 through** DECEMBER 12 will be entered in the holiday contest. Enter as often as you like during this period.

#### **BONUS DRAWING**

Second chance to win! The names of all contestants will be entered in a drawing from which four names will be chosen. Each of these four contestants will receive \$40 Winners will be announced Dec. 20.

# **NEW VOLUME 8 GRASS & GRAIN COOKBOOK**



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Included are a selection of recipes that were submitted by Area Cooks and printed in Grass & Grain (circa 2015-2016) for the "Our Daily Bread" weekly recipe contest.

The winner each week is selected from the recipes printed. Send us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you. 1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear. 2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery. 3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505.

OR e-mail: auctions@agpress.com

#### iotos at: www.hancockauction Also ... see last week's Grass & Grain for listings.

TRACTORS: John Deere 4240. Case 870. Allis D19 gas. Allis D17 gas. Allis WD. Allis WC, nf, engine stuck; 1947 JD A, block & head removed

rom tractor; Farmall H for parts; AC tractor parts. HAY EQUIPMENT (all used this year) \* DRILLS, PLANTER \* PICKUPS \* TRAILERS \* TILLAGE \* HORSES (sell first)

\* HORSE EQUIPMENT \* SAWMILL & WOOD HARVEST EQUIP. DAVID BRADLEY: 6 David Bradley tractors & More.

FARM EQUIPMENT: Allis 66, 6' pull type combine used this year; New Idea #10 1 row corn picker; JD H manure spreader, useable; & MORE! FARM COLLECTIBLES: 2 wooden manual vertical hay presses (like in Minden museum); several Maytag engines; hand crank grind stones; Collection fence tools & stretchers; & MORE! LIVESTOCK ITEMS: Livestock panels, water tanks, T Posts, electric ence items & MORE!

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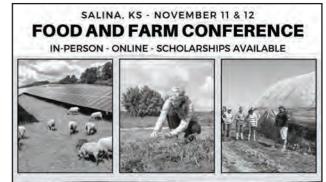
The winner each week is selected from the recipes printed. Send us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you.

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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

"You are the pillar of strength that my Uncle Bud portrays over and over again.

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



Kansas Rural Center believes that diversified farming systems hold the key to preserving, developing and maintaining a food and farming future.

#### **TOPICS INCLUDE**

FARM	POLICY	AND	THE	2023	FARM BILL	

- LEARNING CIRCLE FOR WOMEN LANDOWNERS
- VETERANS AS FARMERS
- INDIGENOUS WISDOM AND CLIMATE CHANGE
- COMMUNITY RESILIENCE HUB UPDATE
- **DIVERSITY AND EQUITY IN AGRICULTURE**
- INSURANCE FOR NON-TRADITIONAL CROPS
- HEALTHY SOILS FOR CLIMATE RESILIENCE
- HERITAGE BREED LIVESTOCK
- BEGINNING FARMER CONNECTIONS AND SKILLS
- **BUILDING HEALTHIER FOOD SYSTEMS**
- ENERGY ON THE FARM
- SELLING LOCAL FOOD TO SCHOOLS
- SUSTAINABLE AGRICULTURE RESEARCH AND **EDUCATION FARMERS FORUM**





#### Freedom To Vacate

**By Lou Ann Thomas** For the first time in nearly three years, I am treating myself to a long weekend getaway. That's right I am leaving the house for something other than medical appointments.

Now that the surgeries are behind me and it appears as though I am learning to live with the lesser virulent strains of Covid, Boone and I are hitting the road. We could both use a change of scenery and new perspectives. And I am overdue for some fun, frivolity, and freedom.

Looking back on my first experience living through a pandemic I wonder how I did live through it. Honestly, I had no idea how I was doing that at the time either. I had about every high-risk listed, so I wasn't comfortable being out and about. Period. I'm accustomed to spending a lot of time alone and I enjoy it, but after the "shutdown" in March 2020 I realized I liked alone time because it was my choice. During the pandemic I felt forced into solitary confinement. In a well-stocked and comfortable home with lots of technology. I should note. It was not a huge hardship. Although there were hours, days, even weeks it felt like it was.

I remember the evening my friend Dan called to say he and his kids needed to get out of the house, so they were going for a drive. We hatched a plan for him to text me when he headed down my road and I'd run

conversation. But at a distance, since Dan staved in his car. and I stood at the end of my driveway observing the six-feet separation the pandemic demanded. And we talked. Mostly about the pandemic. But it was the first face-to-face conversation I had had in weeks.

As I finally stopped waving goodbye to Dan and the kids as they continued their drive, I wondered if my social life was now limited to driveway talks. Would this be how I communicated with my friends from now on? It was a depressing thought, as so many were then. Would we ever go out to eat again? How about go to the movies? And would we have to live forever with a toilet paper shortage?

I made it. Most of us are still here and, for the most part, life has some normalcv to it again. We seem to have plenty of toilet paper at our disposal and I don't fear leaving my house any longer, although I do so with care and caution. I'm fully vaccinated, wash my hands frequently, use antibacterial stuff, wear a mask if I feel at risk and I am finally feeling comfortable heading out for long weekend road trip.

I'll tell you all about it next time, but for now, I just want to say: Freedom is good. Shall we never forget to appreciate it.

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

cereals that have 6 grams or

half: Not hungry when you

get up? Before you leave the

house, eat something little

such as a slice of whole-wheat

toast with a glass of low-fat

milk. Pack a piece of fruit or

a breakfast bar for later. By

splitting your breakfast in

half, you will not overdo it

when you do become hungry

please visit www.k-state.edu/

efnep/ or contact, Katherine

For more information,

later in the morning.

4. Split your breakfast in

less of sugar per serving.

#### Smart Breakfast Basics fats or added sugar; look for

Have you ever heard that breakfast is the most important meal of the day?

A good breakfast gives us a good start to our day, but just like any other meal, we can make smart choices or poor choices; nutritionally dense food or just calorie-dense foods

Here are 4 easy tips:

1. Keep it simple: Fancy breakfasts are nice to have every once in a while, but if you're racing the clock in the morning, they probably aren't that realistic. A sandwich or leftovers from dinner with a out and we'd talk. A real Monster is our black cat that literally fell out of a tree one morning at our house. We have two trees

in our front yard and not a lot else for protection. The nearest house is two miles away. We don't even see strav cats. I was not seeking a cat out for our house. I hate when cats rub your ankles and trip you as you walk. Poncho made a heck of a ruckus one night, not unusual for my Pyrenees guard dog. The next morning I head to our garage to get the pickup and start my day and as I'm walking by this tree I hear meowing. Lo and behold a little teenv black kitten literally fell out of the tree when I went to see what was going on.

We were loading calves or something that was It was a dark time. But super time-sensitive for me to show up for so I got some water, put some milk on Poncho's food since it was the only food I had, put some bedding in a big dog carrier, locked her in there for the day and headed out. I neglected to tell Matt throughout the day that a cat had showed up. I love working out on our deck when the weather is right. Matt just happened to come home as I was working out, saw Poncho laving guard for me and a little black kitten running around, jumping on stuff - Poncho included. Without missing a beat, he said, "Where'd you get that Monster?" And it stuck. So she's been here ever since, for over a vear.

> She is the best mouser. And recently we figured out, she is also an incredible snake hunter as well. Monster likes to show off her prizes. But she likes to play with them a lot before. She normally gets around to killing them eventually. However, when she was playing with a snake right outside our front door, I decided we were not chancing her losing interest or finding something else. This one was much smaller, only a foot or so long, so I was very brave

is now a permanent fixture on the deck for this purpose and helped her out a little. Honest to goodness, that cat pouted after I took away her fun. She was so mad at me.

I was quite hopeful that the cold weather had sent the snakes to hibernation or wherever the little devils go in the wintertime. but unfortunately, that has not happened yet. So I suppose the snake stories shall continue.

This week I tried learning how to preg check cows. I watched all the YouTube videos, got our neighbor that is really good at it, but more importantly a VERY patient man lined up to come help and teach me and got the cows in the pen. I was feeling very confident after watching the videos. They make it seem so easy. You can probably guess, it's not as easy as I was hoping. I definitely need more practice with instruction. But I tried. And sometimes that's all you can do.

Since we seem to be talking all things animals this week, let's talk about chickens. You might remember the chickens are a very expensive hobby. Well, add a few more dollars to the loss this week.

I was home the Friday before Halloween doing a little writing while waiting for my sister and her kids to come see me before Trick or Treating. Poncho, though a Pyrenees, guards me, not the chickens. He doesn't eat the chickens, but certainly lets them fend for themselves. I had let the chickens out of their pen for the first time in some time because we got some pumpkins from our neighbors to give them. Plus I like for them to get out and get all the bugs and stuff every once in a while. I was sitting at my desk and hear all the birdies go crazy, squawking and carrying on, then I see a coyote carrying a chicken, I run out of the house with just my socks hollering and yelling. About that time Poncho comes from the other way behind the coyote, barking. Thankfully the coyote, probably confused as all get out, drops the bird before taking off across the road. Poncho chased him for

a long time before coming back. This is the dog that was just told at the vet for his rabies vaccination that he could stand to lose a few pounds, so like his owner, he's not in the best of shape. We got Poncho when he was four for free when his previous owner was giving him away and we were looking to get a guard dog for our chickens. I've read a lot since and been told by some dog experts that LGD choose one thing to guard and they guard that thing well. Since we got Poncho when he was no longer a puppy and I probably didn't introduce the chickens correctly to him, Poncho chose me to guard. I'm absolutely convinced that Poncho will guard me from anything and anybody should the need arise. All that to defend my dog for not being there before the coyote got the chicken. The chickens are on the back of the house Poncho spends most of his time on the front. But once he heard the commotion. he was there.

Anyway, the chicken which turned out to be one of my roosters, made it back to the trailer. I got everybody locked back in except two hens I couldn't find. When Kristen got here, we found one more and then when Matt came by later to see the kids. we found the last one. Mr. Roo had a hole the size of a penny on his back under his wing. There's not a lot of chicken doctors in our

area, so I sprayed him up good with an antibiotic spray, gave him food and water and let him rest for the afternoon in a dog crate. That night I put him to bed in the trailer with the rest of the birds thinking the less stress he's under, the better.

The next morning he beat me out of bed and was out in the pen. He was eating and drinking I know and the other birds didn't appear to be bothering him so I left him alone. I checked on him several times that day just to make sure the other birds didn't get the taste of blood from his wound and peck him to death. So far, he appears to be doing good. I didn't have much faith in him making it. But the hole is healing over and though gun-shy, he appears to be doing quite well. I'm hoping for a full recovery.

These beautiful fall days are amazing to enjoy. I just keep thinking each one is the last before it never warms up again and as we've discussed before I hate winter. So soaking all of them in that I can. If you're not done with harvest, hoping it's going well. I know the yields aren't what we were hoping for, but you can't expect a lot when we had the weather we did. Grace and patience!

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



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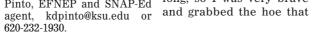
# **NEW Cookbook Available** \* Over double the pages, nearly double the recipes! \* For the first time ever, we've combined 2 years worth of unique & delicious recipes from "Our Daily Bread" (circa 2015-16) into one book of nearly 200 pages. This includes a few 'vintage' recipes that were republished for our 50<sup>th</sup> anniversary in 2015. The book also contains an advertising directory for the first time.



glass of milk or yogurt with fruit and a slice of wholewheat toast works just fine!

2. Plan and shop ahead of time: If you have food already purchased and prepared you are that much closer to becoming a breakfast person! Try keeping sliced fruit or hard-boiled egg in the refrigerator. You can keep "grab and go" food on hand like whole-wheat bagels, fruit, or yogurt.

3. Almost everything goes: We put our own limitations on what is considered a "breakfast" food. It doesn't matter whether you choose a traditional breakfast food or foods that you would enjoy for lunch or dinner. The main thing to keep in mind is that you make a healthy choice. Stay away from sugary cereals, soda, doughnuts, and other foods that are filled with







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#### 'Soil Whisperers' share regenerative insights with farmers 'across the pond' I live nearly 5,000 miles

"The quest for healthy soil, food and farms is our common ground." That's the conclusion of soil health pioneer Gabe Brown after he and his two colleagues from Understanding Ag, LLC, (UA) completed two-weeks of farm tours and soil health workshops throughout the United Kingdom and Ireland in mid-October.

away, we have a lot in common," Brown said. "No matter where you grow, all soil is simply sand, silt, clay and biology."

colleagues Shane New and Allen Williams, Ph.D., were invited by Regenerative Asset Management and Groundswell in the U.K. and Ireland's Nation-"I learned that although al Organic Training Skill-

## K-State ag economist studies impact of sustainability policies on deforestation

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

A Kansas State University agricultural economist says a push by some international companies to promote sustainable farming practices in Brazil's Amazon region is helping to slow down the rate at which climate-friendly forests are cut down.

In a paper published in Nature Communications, Nelson Villoria and colleagues write that efforts to slow down deforestation in Brazil have been successful due to an initiative in which transnational and Brazilian commodity trading companies agreed to stop buying soybeans in the Amazon that were produced in areas cleared after 2006. The agreement is commonly known as the Amazon Soy Moratorium.

"This is a good thing because forests, wherever they are, capture greenhouse gas emissions from global human activity," said Villoria, an associate professor in K-State's Department of Agricultural Economics.

"Indeed," he added, "tree planting and forest conservation are currently the only cost-effective ways of capturing emissions. Deforestation itself is a source of greenhouse gas emissions. Therefore, when forests are left alone, we are not increasing emissions while capturing emissions from other

sources.

Brown, along with UA

The Amazon Soy Mora-

torium required Brazilian

farmers to halt deforesta-

tion for the purpose of growing soybeans. The re-

sult, Villoria said, was that

"global soybean produc-

tion in Brazil went down,

world prices increased,

and U.S. soybean produc-

tion increased to satisfy

deforestation to accommo-

date soybean production

was not pushed to other

regions – a concept known

as leakage that can dilute

the global effectiveness of

regional efforts at main-

the ASM did cause land

conversion in other areas

of Brazil, but there was lit-

tle deforestation outside of

Brazil," Villoria said. "The

main reason for this is that

all of the supply response

was in existing farmland in

the United States. In other

words, production leaked,

but without additional tree

there is scope to further

extend zero deforestation

policies to other parts of

Brazil without increasing

deforestation outside of

tion may decrease in areas

such as Brazil if national

and transnational trad-

ing companies require

sustainable farming prac-

• Cont. on page 8

Villoria said deforesta-

"Our study showed that

cutting."

Brazil.'

"What we found was that

taining forestland.

Villoria said it was also encouraging to find that

the global demand.'

sets to observe and assess farm and grazing conditions and to conduct soil health workshops for their farming peers.

"Every venue was filled to capacity, with audience members looking to find ways to lower their farming input costs," he said. "Much like in the U.S., farmers are encountering record-high input costs and decreased margins and were very interested in how we have been able to help our clients lower their input costs."

Traveling by road some 2,500 miles, the trio visited dairy, beef, sheep and crop farms, and conducted workshops on farms near Hexham and Herefordshire, England, ending the visit by conducting a threeday Soil Health Academy school in Carlow, Ireland.

"We were on a number of farms that were growing some cool season/ winter cover crops where soil health was advancing," Brown said. "However, soil aggregation on all farms was shallow, as was rooting depth in general. And throughout the visit, we only saw one pasture that we would not consider overgrazed.'

Brown said the pattern in both the UK and Ireland keeps forages in the vegetative state which inevitably lends to shallow root systems.

similarity Another

Brown noted was what he refers to as the "food-like substances," being grown there. "For the most part, I was saddened to see that the quality of food there was as bad as much of that found in the U.S. - processed and laden with additives."

He and his colleagues also noted several striking dissimilarities in farming "across the pond."

"Farmers there are under much more scrutiny from the government," Brown said. "They have to keep exceptionally detailed records and must leave their farms open to inspection from the government at any time. And, generally speaking, they

farm in a wet-cool season environment but cannot count on a killing frost. In other words, they can grow plants year-round which makes cover crop termination a challenge," he said.

Page 7

Throughout the visit, Brown said he and his colleagues were hearted by the enthusiasm level of the U.K. and Irish farmers, along with their receptivity to regenerative farming principles.

"Of course, we were met with the usual question 'Will it work here?' which is exactly what we hear wherever we go," Brown said. "The answer to that question is, and will always be, 'Yes, it will work here."





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## **USED EQUIPMENT**

USED COMBINES	PRICE
2021 Case IH 7250, 676 hrs	\$395,000
2021 Case IH 8250, 800 hrs	\$390,000
2021 Case IH 7250, 626 hrs	\$400,000
2020 Case IH 7250, 747 hrs	\$370,000
2020 Case IH 8250, 657 hrs	\$385,000
2019 Case IH 8250, 1693 hrs	\$295,000
2017 Case IH 8240, 1354 hrs	\$235,000
2014 Case IH 8230, 2720 hrs	\$155,000
2014 Case IH 8230, 3032 hrs	\$155,000
2012 John Deere S670, 1649 hrs	\$135,000
2012 New Holland CR8090, 2164 hrs	\$89,000
2011 Case IH 8120, 3915 hrs	\$69,500
2011 Case IH 8120, 4176 hrs	\$69,500
2011 Case IH 7088, 2750 hrs	Call
2008 Case IH 2588, 2727 hrs	\$75,000
2008 Case IH 8010, 4947 hrs	\$47,500
2004 Case IH 2388, 2505 hrs	\$65,000
2004 Case IH 2388, 2625 hrs	
2004 John Deere 9860STS, 2817 hrs	\$59,500
2002 Case IH 2388, 3731 hrs	\$43,500
2001 John Deere 9650, 3124 hrs	
2000 Case IH 2388, 3520 hrs	
2000 Case IH 2388, 4904 hrs	\$35,000
USED AUGERS	
2019 Westfield MKX130X94	
2005 Westfield 10X61	
FETERL 12X72	
Westfield 10X41	
Westfield 10X60	
Westfield WR60X36	\$2,000
FETERL Drive Over	\$3,500
USED FERTILIZER EQUIPMENT	PRICE
2010 John Deere 2510H	
2010 John Deere 2510H	\$55,000

2009 Orthman 12R30 1 TRIPR	\$52.500
Sunflower 3650-25' Sweep	
USED HEADERS 2012 Macdon D60S-40' Draper	\$49.500
2011 Macdon FD70-40'	
2008 Case IH 2020-25'	Call
2005 John Deere 936D	\$14.000
2003 Case IH 1010-30'	\$10.500
2000 Case IH 1010-30'	
1998 Case IH 1010-30'	
1998 Case IH 1010-30'	
1996 Case IH 1010-30'	\$9,500
1992 Case IH 1010-30'	\$6,500
1991 Case IH 1010-30'	\$6,900
1990 Case IH 1020-30'	\$4,500
1990 Case IH 1010-25'	\$6,500
1986 Case IH 1010-25'	\$5,500
1984 Gleaner 27' Rigid	\$2,500
IHC 810-24'	\$2,500
John Deere 853 Row Head	\$6,500
John Deere 930R	
USED PLANTER 2008 Case IH 1250-24R Front	PRICE
2008 Case IH 1250-24R Front	\$75,000
USED CORN HEADS	PRICE
2021 Case IH 4412-12R	\$99,500
2020 Case IH 4412-12R	\$95,000
2020 Case IH 4412-12R30	
2020 Case IH 4412-12R	\$89,000
2018 Case IH 4412-12R	
2013 Geringhoff NS1230	
2012 Case IH 2612-12R, Chopping	
2011 Case IH 3412-12R	
2010 John Deere 612C	\$29,500
2009 Case IH 3412-12R	\$35,000
2009 Case IH 3208-8R	\$27,000

2006 Case IH 2412-12R	\$32,500
1999 Case IH 1083-8R	\$11,500
1998 Case IH 1083-8R	\$9,500
1994 Case IH 1083-8R	\$9,500
1992 John Deere 853A-8R	\$7,500
1992 Case IH 1083-8R	Call
Case IH 983-8R30	\$4,500
USED MISC. EQUIPMENT	PRICE
2015 Koyker 1050HF Grain Bag	\$18,500
2009 Case IH Titan 4020 Dry Spdr	\$55,000
USED DRILL	PRICE
2013 John Deere 1990CCS	\$125,000
USED HAY EQUIPMENT	PRICE
2014 Haybuster H1130 Tub Grndr .	\$52,500
2013 Haybuster H1130	
USED GRAIN CARTS	PRICE
2016 Brent 1196 Avalanche	\$64,000
2011 Parker 1348	
	. ,

2009 Brent 1282	\$35,000
USED BALERS	PRICE
2015 New Holland RB560	\$27,500
2014 New Holland RB560	\$27,500
2008 New Holland BR7090	\$12,500
2005 New Holland BR780	\$6,500
2002 Case IH RBX561	\$12,500
2000 New Holland 688	\$6,500
New Holland 664	\$4,950
USED TRACTOR	PRICE
USED TRACTOR 1974 Oliver 1855 w/ ldr, 13724 hrs	
1974 Oliver 1855 w/ ldr, 13724 hrs	\$6,500 <b>PRICE</b>
1974 Oliver 1855 w/ ldr, 13724 hrs USED SPRAYERS	\$6,500 PRICE \$285,000
1974 Oliver 1855 w/ ldr, 13724 hrs USED SPRAYERS 2019 CIH Patriot 3340, 1102 hrs	\$6,500 PRICE \$285,000 \$250,000
1974 Oliver 1855 w/ ldr, 13724 hrs USED SPRAYERS 2019 CIH Patriot 3340, 1102 hrs 2018 John Deere R4038, 3000 hrs 2017 CIH Patriot 4440, 1955 hrs 2011 CIH Patriot 3330, 3927 hrs	\$6,500 <b>PRICE</b> \$285,000 \$250,000 \$265,000 \$110,000
1974 Oliver 1855 w/ ldr, 13724 hrs USED SPRAYERS 2019 CIH Patriot 3340, 1102 hrs 2018 John Deere R4038, 3000 hrs 2017 CIH Patriot 4440, 1955 hrs	\$6,500 <b>PRICE</b> \$285,000 \$250,000 \$265,000 \$110,000

## **NEW EQUIPMENT**

. . . . . .

TILLAGE	PRICE
Orthman 5TT Tracktiller	Call
Orthman Fallowmaster FM6-42	Call
Orthman 8R 1TRIPR	Call
Orthman 12R 1TRIPR	Call
Case IH Dmi 2800 Liquid App	Call
Great Plains 2541SC Seedbed Cond	
NEW CASE IH COMBINES	PRICE
Case IH 8250	
Case IH 7250	Call
NEW CASE IH PLANTERS	PRICE
Case IH 2130-16R	Call
Case IH 2150-24R	Call
NEW CASE IH TRACTORS	PRICE
Case IH Farmall 140A	

NEW CASE IH CORN HEAD	PRICE
Case IH 4412-12R30	Call
Case IH 4408-8R30	Call
NEW CASE IH BALER	PRICE
Case IH RB565	Call
HAY EQUIPMENT	PRICE
Bohnert 2 Bale Mover	Call
Circle M 30' Hay Trailer	Call
Haybuster 2660 Bale Buster	Call
Haybuster H1030 Tub Grinder	Call
Haybuster H1135 Tub Grinder	Call
Highline 660-200 Bale Processor	
Highline BP661-100 Bale Processor	
Twinstar 2030G3-7 Hyd. Rake	
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# The Jig is Up

from my cowboy career starting in late summer of '78.

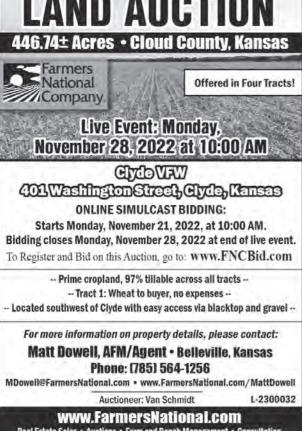
I got a case of 18-yearold pride when I wasn't hired for the open foreman's job at the ranch I'd grown up working, and decided I was done cowboyin' anyway. Rolled up my chaps, sold my saddle, traded my horse for a coon hound and went to work in a factory as a welder building grain augers

The regular hours, and overtime pay wasn't bad,

I had a short diversion in spite of the early morning commute of some 40 minutes to Clay Center. I had entire weekends to hunt and fish, and did just that on a regular basis.

Never having an indoor job, it was quite an adjustment; punching a time card, the noise of the production line, lots of workers moving about, overhead cranes moving components to and fro, overhead doors up, down, the hum and clank of machinery, the tapping and banging of hammers, and the always continuing hiss

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The work wasn't particularly hard, especially for a young man, just dirty. It was interesting to see how some of the workers broke up the monotony of assembly line work.

My department was flighting assembly; that is the "auger" that goes into the tube which actually moves the grain from one end to the other. Our jigs were 33 feet long (but seldom used the full length) so we spent the day on our feet, walking back and forth, threading the cold-rolled helicoil onto the tubing tabbing and securing the tail, then stretching the flighting and tabbing and securing the head end, spot welding the length of the auger and bolting the appropriate stub shafts in the ends. Admittedly, it wasn't the most monotonous job in the plant, and a little friendly production competition with co-workers helped to pass the time. But we were not immune to practical jokes either...

Several days in a row, I would return from lunch to find my tools; hammer, chipper, vise-grips, welded to my I-beam jig. You couldn't tell it until vou went to grab one, and it wouldn't budge. After a few days of my jig partner snickering each time at the same joke (different tool), I decided a little revenge was fair play.

We used a black permanent marker for a measuring indicator on the steel. One day after lunch I made sure I got back to the jig before my partner, and I took his welding hood apart. On the inside lens protector, lens side, I drew a spider about the size of a quarter, and put holding it up to the overthe cover back against the dark lens. It was perfect. The black marker was undetectable against the black lens. I put the hood back in its place, and took a quick restroom break and clocked back in just before the buzzer went off.

My buddy came sauntering in, unsuspecting, without a care in the world, and donned his sleeves and hood. We chatted briefly and I geared up, waiting for the moment, biding my time. He slid his gloves on, pulled down some tubing and flipped a piece of helicoil up on the jig. threaded it on the tube, picked up his stinger, and dropped his hood, striking an arc...

You'd have thought there was a cobra inside that helmet! He knocked that thing off his head and it rattled onto the floor as he ducked and threw that stinger, beating himself with his gloved hands trying to brush that spider off! The frantic contortions of someone over six feet tall clubbing themselves senseless can be quite entertaining, and perhaps a bit unsettling.

When he was satisfied the spider was no longer on his head, he picked the hood up off the floor and looked inside, checked the front, shook it a little and looked again. I dropped my hood and burned a little spot weld to hide the smile creeping across my face. Regaining my composure, I lifted my hood to check him out just as he dropped and struck another arc. Not quite the same violent response, but still, with vigor, my partner yanked that hood off and looked into it again. Then

head light, he could see that artificial arachnid and proceeded to remove the lens cover. By then he knew he'd been had, and looked over at me, unable to hide my level of entertainment by now, and muttered a few choice words about my ancestry and something about the pending end of my life. Then he noticed a few of our neighbors who had

been watching, at my invitation, from unrevealed locations, and started to laugh... just a little.

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

## Flint Hills Discovery Center offers free military admission on Veterans Day November 11

The Flint Hills Discovery Center (FHDC) will give free admission to all Gold Star Families, active-duty and reserve military, veterans, and their families on Veterans Day, Friday, November 11, from 10 a.m.-5 p.m. The FHDC appreciates the service and sacrifice made by our military and their families.

Free admission is made possible through the support of the following sponsors: American Legion Riders POST 17, Manhattan, Armed Forces Community Foundation; Community First National Bank; Flint Hills Discovery Center Foundation; Flint Hills Veterans Coalition; Office of Military and Veterans Affairs Kansas State University; Manhattan Military Relations Committee; Veterans of Foreign Wars (VFW) Post 1786 and Auxiliary of Manhattan, Ks.; and Ultra Electronics Ice, Inc.

#### K-State ag economist studies impact of sustainability policies on deforestation • Cont. from page 7

practices - or governments require companies to eliminate deforestation in their supply chains.

According to Villoria, eliminating deforestation from the supply chains of all firms exporting Brazilian soy to the European Union or China between 2011-2016 could have reduce net global deforestation by 2% -- and by 9%in Brazil.

"If major tropical commodity importers require traders to eliminate deforestation from their supply chains, it could help to slow the speed at which forests are cleared," Villoria said.

Currently, the European Union, United States and United Kingdom are considering legislation that would support deforestation-free supply chains.

"Tropical forests are among the most biodiverse environments in the world, so preserving biodiversity is important," Villoria said. "From a production perspective, forests are also fundamental to regulating the water balance of important breadbaskets of the world. Breaking this balance (through deforestation) will strain global food supply, with the negative effects we see on inflation and food security."

Villoria's co-authors on the article in Nature Communications are Rachael Garrett (Environmental Policy Lab in Zurich, Switzerland); Florian Gollnow (Department of Earth and Environment at Boston University); and Kimberly Carlson (Department of Environmental Studies at New York University).

#### ESTATE AUCTION Reminder SATURDAY, NOVEMBER 12, 2022 - 9:30 AM 715 Lawrence Ave., LAWRENCE, KANSAS 6th Lawrence Ave. South to Auction! Please be Courteous to

Neighbors when Parking! WATCH FOR SIGNS!

CAR: 1994 Toyota Camry LE. 75+ pcs. (all colors) VINTAGE FI-ESTA, POTTERY: 1940s Roseville; Vanbriggle: Southwest Pottery Other Pottery! COLLECTIBLES, ANTIQUE FURNITURE, MISC. 1900s The Oliver #9 "Bat Wing" Typewriter (RARE!); 1930s Majestic Grigsby Model 130-A Broadcast Receiver; Sessions Silent Charm Mantle Clock; Emperor 6ft. Grandfather Clock; Military Mule/Horse Bridle w/rosette; 1960s games; Vintage KU Wool Beannie Hat; Albums; 100s Books; Sterling Pcs.; "South Seas" Community Flat-ware Set; 100s pcs. Vintage Glassware; Vintage Fishing: Snow Joe 622UI Snow Blower; power & hand tools; household & MORE!

## FARM AUCTION SATURDAY, NOVEMBER 19, 2022 - 9:30 AM

1288 North 200 Rd., BALDWIN CITY, KANSAS n Baldwin West 3 miles on Hwy 56 to E 1260 Rd. turn South 1 mile to Auction OR From Lawrence South 10 miles on Hwy 59 to Hwy 56 turn East Immediately to E 1260 Rd. turn South 1 mile to Auction! WATCH FOR SIGNS!

TRACTOR LITY FOUIPMENT Kubota L4701D HST Trac-tor 4WD, HST (Hydrostatic); cruise control, 47 hp., 3 pt., 540 PTO, diesel, Rops, 465 hrs., ser#50275, w/LA765 Q/A Loader 6 ft. Bucket NICE Tractor & Loader!; Kubota RTV1140 CPX 4x4 Utility Vehicle diesel, 2 or 4 seater w/adjustable hydraulic cargo bed, power steering, canopy; eXmark Laser Z Commercial Zero-Turn Mower 60" cut; 3 pt. 6 ft. Land Pride RTR1274 Rotary Tiller/Reverse Tine; Land Pride PFL3048 Quick Attach Pallet Forks; 3 pt. Farm Star Double Bale Spear 3 pt. Cosmo PTO Fertilizer 46 Spreader; 12" Auger Bit (All Above Equipment Like New!); Craftsman Lawn Tractor trailer; 4 section pull type harrow; 6- IH suitcase weights w/mounting bracket; NEW County Line Cor-ral Panels: (5) 12 ft., (6) 10 ft., (2) 4 ft. Walk Thru Gates & 10 ft. Utility Gate

**PRODUCE & VEGETABLE** Rain-Flow Irrigation Vegetable Transplanter Model 1600 Series II w/4 planter seats & 2-80 gallon tanks; 3 pt. Rain-Flow 2550 Plastic Mulch Layer Series II w/2 drip lines & row track (Both Pieces Used Very Little!); 3 pt. Thiessen Undercutter/Bed Lifter 42" (NEW); 3 pt. King Kutter MB-YK Middle Buster (New); 3pt. Shop Made Lifter/Vine Cut-ter; 3 pt. PTO Electro-Spray Mist Sprayer 18 gallon tank; 65 gal-lon poly tank (water); *High-Tun*nel Items: J&D 24" exhaust & intake fans, 40x100 shade cloth, irrigation fittings, header pipe, many other parts!; Quik Shade Commercial 10x20 & 10x10 Pop Up Canopys; Muscle Rack Totes; Produce/Vegetable Crates & Supplies; 25+ Cases of New Ball Mason Jars & 30+

cases of slightly used; GLOBE Commercial Stainless Steel Model 2500 Deli Meat Slicer; 2 ft. x 4 ft. SS Commercial Rolling Table w/undershelf; Many Garden Supplies of all Sorts! TOOLS & MISC.

DeWalt DWS780 12" Double Bevel Sliding Compound Miter Saw w/DWX726 Rolling Miter Saw Stand; Rol-Air Model 5715 Wheel Barrow Air Compressor twin tank; Rol-Air The Bull twin stack Air Compressor; Bench Drill Press w/Laser; Honda GX150 Gas Power Washer; Yard Machine electric start snow-blower; Stihl MS290 & Chainsaws; Schum-MS180 acher battery charger; DeWalt older radial arm-saw; Ryobi table-saw; DeWalt & Ryobi Cordless Tools; Craftsman 8 & 12 Drawer Ball Bearing Tool Cabinets; 4 tier 40 Bin Rotating Hardware Bin w/Scales: iob-site metal box; pallet jack; Wagner Paint Crew Airless Sprayer; Starrett Micrometer T230R w/ box; Vintage Machinist tools; Hudson Bak-Pak Sprayer; 3-6 ft. metal shelving units; Werner MT-22 multi-purpose ladder several sizes of extension/step ladders; Auto-Kap button cap staplers; Paslode Impulse Nailer: Hitachi coil nailer: socket/ wrenches/pneumatic/power hand tools; lockable file cab-inets; wrought iron patio set; Tappan 16 cu. ft, Upright Freezer; Weber BBQ; 6 ft. chain link fence; rebar; patio blocks; 100 amp new electrical box; electrical/plumbing supplies; several older construction power tools!; CW Bell #5 Grist Mill Grinder #9 Bill Elliott Framed Dodge Racing Jacket; 20 gallon Carboy w/wooden Standard box many items too numerous to mention!

AUCTION NOTE: Richard has decided to retire from the Produce/Vegetable Farming and will sell his Name Brand Well-Maintained Items! Do Not Miss This Opportunity! Loader Tractor available! INSPECTION DAY OF AUCTION ONLY or By Appointment! Security Cameras on Premise! Concessions: Worden Church Ladies

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SATURDAY, NOVEMBER 19, 2022 - 10:00 AM

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For Complete Details visit: www.MidwestLandandHome.com

DCP Cropland (Current Cropland = 112.03 acres)

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**INFORMATION:** FSA Farmland = 147.09 acres with 116.62

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#### LAND & RESIDENTIAL AUCTION TUESDAY, NOVEMBER 29, 2022 — 6:00 PM

Helvering Center, 111 S. 8th Street - MARYSVILLE. KS

#### 37.9± ACRES MARSHALL COUNTY LAND, HOUSE & OUTBUILDINGS

#### **OPEN HOUSE:** Wednesday, November 16: 5-7:30 PM

EGAL DESCRIPTION: The Southwest Quarter of the Southwes Quarter (SW1/4 SW1/4) of Section Ten (10), Township Two (2) South Range Seven (7) East of the 6th P.M., Marshall County, Kansas **INFORMATION:** FSA Farmland = 39.22 Acres

 DCP Cropland = 20.88 Acres • Base Acres = 20.33 Acres 2021 Property Taxes: \$2,394.55

PROPERTY LOCATION: 1002 Harvest RD, Marysville From the intersection of Highway 36 and 20th Street, travel North to the intersection of North and 20th Street, turn West on North Street, ravel 4 blocks and turn North on 16th Street (10th Road), travel 2 miles North until you arrive at the intersection of 10th and Harvest Road, the property is located on the North East corner of the intersection. **ROPERTY INFORMATION:** 

Ranch Style House Built in 1975 with 1,620 Sq. Ft. • 3-Bedrooms, 2.5-Bathrooms, Full Basement • 2-Car Attached Garage, 1-Car De

tached Garage • Shop with Metal Frame, Concret Floors, Plumb-ing • Additional Outbuildings • 2 Ponds Terms & Possession: 10% down day of the sale, balance due at closing on or before Friday, December 30, 2022. Buyer to take possession at closing. Tenants have signed a voluntary release of cropland with the understanding they will be reimbursed for inputs. Sellers to pay 2022 property taxes. Title insurance, 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 the day of the sale. Seller's interest in mineral rights to transfer with the sale. This is a cash sale and is not subject to financing, have your financing arrangements made prior to the auction. Midwest Land and Home is acting as a Seller's Agent and represents the seller's interest. All information has come from reliable aurore the automation in the seller's interest. All information has come from reliable aurore the automation in the seller's interest. sources; however, potential buyers are encouraged to verify all information in dependently. Seller expressly disclaims any liability for errors, omissions, o changes regarding any information provided for these sales. Potential purchas ers are strongly urged to rely solely upon their own inspections and opinions in preparing to purchase property and are expressly advised to not rely on any representations made by the seller or their agents. Statements made the day of sale take precedence over all other printed materials and information. Marshal County Abstract and Title Company will act as escrow, title & closing agent.





Mark Uhlik – Broker/Auctione lidwestLandandHome.com When you want the Best, Trust Midwest! See Last Week's Grass & Grain For Listings & Please visit us online www.KansasAuctions.net/elston for 100+ Pictures! Covered Area in case of Inclement Weather! **Concessions: Worden Church Ladies** 

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# AND AUCTIO

Thursday, November 17th, 2022 @ 7:00pm Where: Prairieland Partners, 2401 Northview Rd., McPherson, KS

1,100 Acres +/- in McPherson and Rice Counties, offered in 3 Tracts **Excellent Tillable and Pasture** 

Tract 1: The N/2 of Section 11-18-6 and the S/2 of the SE/4 of Section 2-18-6, Rice Co. 400 Acres +/- of pasture.

Taxes are \$951.70 on 400.1 taxable acres.

Tract 2: The W/2 of NW/4 of Section 32-18-4,

McPherson County, Less Homesite, 75 acres +/- of pasture. Taxes are \$214.54 on 75.1 taxable acres.

Tract 3: Section 31-18-4, Less Cemetery. Comprised of: 325 acres of creek bottom tillable 233 acres of pasture 42 acres of timber/creek 16.81 acres +/- CRP pays \$838.66 (Exp. Oct 2030).

Taxes are \$4,962.60 on 616 taxable acres.

Possession upon closing, subject to tenant rights on wheat acres.

Online bidding available. Complete details on website.

SELLER: The Heirs of Letha Ione Johnson Trust

Derek Isaacson - Agent Cell # 785-452-0566 Ray Swearingen - Broker # 785-452-8498

HORIZON



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My life-size skeletons arrived on Halloween morning in a five- by eight- by four-inch box. They were orange and poseable, with jack-o-lantern heads. They were also 14 inches tall, well, 15 inches if you pose their feet straight down. (They had posed them to put them inside the box. Disappointment. Dismay. And was this some personal

commentary on my height?

I sent an email to the company, Spencer Toys, along with photos of said 14-inch, life-size skeletons seated on my cake plates. They offered me a refund which I accepted, but I added that they needed to revise the description. They wrote back and said they would do that.

Gosh, I don't even know how to act. Imagine someone actually listening to your complaint and responding appropriately.

Yes, I went out and bought a lottery ticket.

Oddly, this kind response made me want to keep the not-so-life-size skeletons. They really are pretty cool. Well-made, not flimsy. The 14-inch-high guys fit just about anywhere, much more adaptable than a life-size skeleton. Where would I put life-size skeletons anyway?

I pondered my options. If I told them I would keep the life-sized gnome skeletons they would think ... Well, they had forced me into a corner with their niceties and I had to send the little guys back.

How long should I wait before I reorder them? How long do you think it will take them to forget me?

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

# FMCSA does not extend emergency hours-of-service waiver

The Federal Motor Carrier Safety Administration (FMCSA) has chosen not to extend the hours-of-service (HOS) emergency declaration, which ended October 15. This means livestock and livestock feed haulers are no longer exempt from HOS.

For more than two years, NCBA worked with FMCSA to secure monthly emergency HOS declarations that provided livestock haulers with additional flexibility. Transporting livestock is not like hauling other items, as truck drivers cannot stop for ten consecutive hours of rest with a load of live animals.

Although the Biden administration and FMCSA state the emergency declarations were related to COVID-19, the cattle industry still is facing supply chain challenges. NCBA will continue to work with policymakers to secure a permanent HOS exemption for livestock haulers

3:

# Crop water allocator designed to help farmers with limited water By Maddy Rohr, K-State

**Research and Extension** news service

Kansas agriculture has been impacted significantly by the drought conditions across the state, but Kansas State University water extension specialist Jonathan Aguilar said a web-based application can help farmers plan for the future.

The K-State Mobile Irrigation Lab includes a crop water allocator to help farmers with limited water resources maximize their return, according to Aguilar. With this new tool, he adds, farmers can decide the best crop combinations for their fields, and then estimate net returns.

"This crop water allocator pushes the model toward the net return, so most of the inputs here could be modified toward their own local operation," Aguilar said.

He recommends 'playing' with the application to understand its function and decide which scenarios work best for an individual operation.

For example, "inputs could be modified to change the price of the commodity, (projecting) that the price will be better next year, or that the price is going to go down," Aguilar said. "Changing the seeding rate, the nutrient, or the fertilizer that's going to be applied, you could change the labor cost, your yield goal, how many acres are going to be planted with a type of crop, and the water allocation.'

Completely customizable, this tool helps producers plan their goals and make decisions based on current conditions and future predictions, Aguilar said.

"If you only have a water allocation of five inches in western Kansas, that typically will not get through a corn crop," Aguilar said. "So, you would be better off

going through either grain sorghum or wheat in that scenario. But if you have more water than that, then you have more flexibility in terms of looking at what kind of crops that you would be able to put in your field or sub-divide your fields into four sections.

Page 9

Any number of scenarios could be tested online to fit an individual producer's goals, Aguilar said

More information on the crop water allocator application is available online, or by contacting local Extension offices in Kansas.

# Byers joins River Valley District as Agriculture and Natural Resources agent

By Wade Reh, River Valley **Extension District director** and community

vitality agent

We are pleased to announce that Luke Byers has joined the staff of K-State Research and Extension-River Valley District as our Agriculture and Natural Resources Extension agent. His first dav was October 31, 2022. in our Clay Center office.

Luke grew up in rural Pennsylvania and was active in 4-H and FFA as a youth. From there he moved on to the University of Wyoming where he earned his bachelor's degree in Agricultural Business and Economics. His senior thesis investigated the effects of the U.S. ethanol policy on corn markets.

Luke then found his way to Kansas State University where he earned his master's degree in Agricultural Economics. During his master's work, he studied relationships between Midwestern row crop farmers and farm

equipment credit suppliers he had an opportunity to work with the Kansas Farm Management Association to study and interpret loan data from around the state.

Luke has most recently been employed as a graduate research assistant for Kansas State University in Manhattan

Agriculture and Natural Resources agents develop and deliver educational programming related, but not limited, to agronomic and livestock production; agricultural economics; management and public policy; horticultural production and management; natural resources conservation; and environmental stewardship.

River Valley District has offices in Belleville, Clay Center, Concordia, and Washington, Kansas

are 66.83 farmland acres, with 40.33 irrigat-

ed acres & 25.58 dry acres. The farm has a

26'x30', 14' side wall Kent building with a con-

crete floor, sliding door and walk in door. There

is irrigation pipe and trailer that will go with the

land. Irrigation source is by canal water from

the Webster Irrigation district. The bases are

wheat 24.02 with 62 bu vield, corn 19.44 with

128 bu yield, soybeans 19.44 with 43 bu yield,

for a total of base acres of 62.9. 2021 taxes

were \$4,303.52. (\$2,220.00 water tax, \$90.00

irrigation fee, \$1,993.52 land tax). Seller will

pay 2022 taxes. Purchaser will pay 2023 taxes.

Luke's primary office is in Clay Center and can be contacted at 785-632-5335 or via email at lsbvers@ ksu.edu

More information about K-State Research and Extension-River Valley District is available online at rivervalley.k-state.edu



TERMS: 20% of purchase price as down payment day of auction, the balance will be paid upon closing on or before December 15, 2022.

The sale is not contingent upon Buyer financing. All preliminary financial arrangements must be made prior to the sale.

2022 farm payments will remain with seller. Down payment will be escrowed with Paul Gregory Attorney. Escrow fees will be split 50/50 between seller & purchaser. Title insurance will be used, the cost will be split 50/50 between seller & purchaser.

Thummel Real Estate & Auction LLC is acting as seller agent. All statements made day of auction take precedence over printed material.

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SATURDAY, NOVEMBER 12, 2022 10:00 AM Auction will be held in Kenwood Hall at the Saline Co. Expo Center, 900 Greeley, SALINA KS

SILVER, FIESTA, ANTIQUES Large collection of sterling silver (ornate, unique sterling serving pieces, over 20 sets flatware; sugar & creamer sets; coffee; tea; sterling cups; plates; candlesticks; dessert plates; salt & peppers; vases; souvenir spoons; jewelry; trays; arm bands; berry dishes; salad set; 50 salt spoons; large sterling crumb scraper; tea strainers; many sets of sterling spoons; weighted candle holders; Towle; Gorham; Tiffany; Alvin; Wallace; Westmoreland; Strasbourg; International; sterling coins; 1972 Danbury Mint sterling plate in box; KSU sterling commem-orative plate; large 1932 sterling trophy Brookville, Ks; coin silver tea set): silver reference books/magazines; silverplate pieces; **Radios:** (Bendix, Arvin, Fada, Crosley, Coca Cola); radio books/manuals/vintage handbooks/magazines; Southwest & Native American pot-

tery; fine arrowhead display; Western books/magazines; gun cases; gun cleaning kits; ammo; gun books/magazines/ Gun Digest; Weller & Dryden pottery; glassware inc: Occupied Japan, Fenton, Harlequin, LuRay; Fiesta old & new inc: disc pitchers, 10" vases, can-dle sticks, bud vases, tumblers, serving pieces, commemorative pieces, 4 mixing bowl sets, green large serving plate, platters, large serving bowl, several pieces, bowls, dessert plates, cobalt bowls, berry chartreuse cream & dishes, sugar, salt & pepper, ivory craft, coffee pot, casserole, Kitchen Kraft; Fiesta books; Jewel T; Autumn Leaf unusual teapots, plates, bowls, fruit plates, cookie jar, cups & saucers; Vintage kitchenware; several crocks & jugs; jars; graniteware; vintage matches; milk jars; grinders; copper teapot; Clocks; ART (3 signed Maleta Forsberg prints)

vintage magazine collections (Hemmings, Popular Science, Life, Women's Magazines); History books (Keen Kutter, Civil War, knife & blade collector books); Coins inc: US Mint silver proof sets; 1990 Eisenhower proof sets; Walking Liberty, Jefferson nickel collections; Saline Co. car tag (1861-1961). Umbrella handle; posters; adding machines; typewriters; Singer featherweight sewing machines; Army items; golf clubs; skates; fans; slide viewer; wash tubs; model L Speed-O-Print mimeograph; fans; vin tage toys & games; lanterns; antique furniture: pie safe; secretary; desk; dresser; wood chairs; large display shelf; First Day covers stamps; Kansas Centennial stamp book; other stamps; Garage items: Cole-man stove; Chilton car books; sawhorses; gas powered brush cutter; ladders; other items.

NOTE: This will be a Large Auction. Check our website for pictures www.thummelauction.com CHUCK SMITH ESTATE Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067

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1531 Yuma St. Manhattan, KS

#### Page 10 Grass & Grain, November 8, 2022 Winner announced for Pottawatomie **County Conservation Speech Contest** ceiving this honor at the

local contest, she will next

compete in the Kansas As-

sociation of Conservation

Districts (KACD) Area IV

(Northeast Kansas) contest

held in Westmoreland, on

November 9th. Madelyn

could compete against stu-

dents from potentially 23

other counties. She will

have the opportunity to

win other cash prizes as

well as a chance to compete at the State KACD

speech competition held

on November 21st in Wich-

ita where scholarships are

also been asked to present

her speech again at the

Annual Meeting of the Dis-

trict in early 2023.

Madelyn has

awarded.

Pottawatomie The County Conservation District held its local County Conservation Speech Contest on October 20, 2022 in Westmoreland at the USDA/PCCD Service Center. The contest is held every year and is open to all county high school students at learning levels from ninth through twelfth grade. This year, Madelyn Heigert, a junior from St. Marys High School, was declared the county winner. The theme for the contest was "Healthy Forests Healthy Communities" with Madelyn's focus being on the importance of trees and cover crops. Students are judged on content, organization, voice,



expression, time, and general effectiveness. Three judges were present. Madelyn was declared the winner and presented the first place prize of \$100 for her efforts. For re-

# Harvesting newly fallen black walnuts

Many homeowners who have a black walnut tree in their yard look forward to the nuts it drops in the fall. Kansas State University horticulture expert Ward Upham said knowing what to look for is key to successfully harvesting and curing black walnuts.

"Black walnuts are ready to be harvested when the hull can be dented with your thumb," Upham said. "You can also wait until the nuts start falling from the tree."

Soon after harvesting, the hull - the hard outer coating of the nut - needs to be removed. If not removed in a timely manner, the stain from the hull can leach inside and discolor the meat. This staining will also result in an undesirable off-flavor.

Before hulling the nuts, ensure you wear gloves, Upham said. Black walnuts contain a stubborn dye that will stain concrete, hands, clothing, or anything it touches. Once it stains, the dye is almost impossible to remove.

With gloves on, there are several methods you can employ to hull the nuts. The nuts can be run through a corn sheller or pounded through holes in a board.

"The hole must be big enough for the nut, but smaller than the hull," Upham said. He recommends a simpler method: running over the nuts with a lawn tractor.

"This will break the hull but not crack the nut," he said.

Hulled nuts can then be spread on the lawn or wire mesh and sprayed with water, or the nuts can be placed in a tub of water.

"If you place them in a tub, the good nuts should sink," Upham said. "Those that float are probably not well-filled with kernels."

Nuts can then be dried by spreading them in no more than three layers deep in a cool, dry place. A garage or tool shed will work. After about two weeks, the nuts should be dried and ready to enjoy by themselves or in your favorite fall dish.

Upham and his colleagues in K-State's Department of Horticulture and Natural Resources produce a weekly Horticulture Newsletter with tips for maintaining home landscapes. The newsletter is available to view online or can be delivered by email each week.

Interested persons can also send their garden- and yard-related questions to Upham at wupham@ksu.edu, or contact your local K-State Research and Extension office.





Beefmaster breeders from across the globe visited NextGen Cattle Co. and ReproLogix in Kansas on their way to the Beefmaster Breeders United convention. The team included (from left) Suzanne Ryan-Numrich, Bob Weaber, Carlos Gregorio Jiménez Toboada, Andrew Bird, Lauren Lyssy, Guillermo Jiménez, Oscar Cordon, Jon Garza, Solón Guerrero Palma, Elkin Acevedo, Pham Van Gioi, Mario Antonio Marcucci Santizo, Tang Tang Xuan Luu, Mario Francisco Marcucci Bruce, Guillermo Kong Lo, Joel Sanchez, Jachin Sanchez.

# KDA hosts Beefmaster trade team

Together with the U.S. Livestock Genetics Export, Inc. and the Beefmaster Breeders United, the Kansas Department of Agriculture hosted an inbound trade team in mid-October 2022, ahead of the annual Beefmaster Breeders United convention. Trade mission participants were Beefmaster breeders representing six countries: Colombia, Costa Rica, Guatemala, Panama, Nicaragua and Vietnam.

"The Beefmaster cattle

were the first American composite breed (a combination of Brahman, Hereford and Shorthorn bloodlines). The breed was developed by selecting cattle with economically important traits such as resistance to heat, drought and insects," said Suzanne Ryan-Numrich, KDA international trade director. "Especially in the hotter, like those represented on this trade mission, those are very important traits for cattle to have."

During their stop in Kansas, the cattlemen visited NextGen Cattle Co. in Paxico and Repro-Logix in Fort Scott. While at NextGen Cattle Co., the inbound trade team heard from Bob Weaber of Kansas State University, regarding how to bridge the gap between international and U.S. breeds using the EPD (Expected Progeny Difference) system. Weaber also had a bred heifer quality grading activity for the team. During their visit to ReproLogix the team learned about advanced reproductive technologies and had a chance to demonstrate proper semen and embryo handling.

"Trade mission participants represented some breeders from around the world-they have a progressive operation and are continually working to improve their breed through imported genetics. It was an honor for KDA to host them in Kansas," said Kansas Secretary of Agriculture Mike Beam.

The inbound trade mission was possible through KDA's membership in U.S. Livestock Genetics Export, Inc., with funding from the U.S. Department of Agriculture Market Access Program. It is the mission of KDA to support all facets of agriculture. including lending support to those who wish to market and sell beef genetics domestically and internationally. For more information, including upcoming trade mission opportunities, contact Ryan-Numrich at Suzanne.Numrich@ ks.gov or 785-564-6704.



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Crossroads Auction & Realty

THURSDAY. NOVEMBER 17, 2022 10:00 AM Auction will be at the farm located from Highways 28 & 9 West of CONCORDIA, KS on Highway 9 go Southwest 3 miles to Plum Road then go 2 miles West.

#### TRACTORS

1985 John Deere 4250 diesel tractor w/JD 158 loader bucket w/grapple, power shift, triple hyd, duals, runs good; 1980 John Deere 4640 diesel tractor, power shift, triple hyd. duals, runs goods; Case 1370 diesel tractor, runs; 1949 Ford 8N tractor, runs; 1967 MM G1000 propane tractor w/loader; 1958 MM UB propane tractor; 1967 MM G 1000 propane tractor, engine froze; 1958 MM UB gas tractor w/loader doesn't run; 1945 Massey Harris 101 tractor w/loader doesn't run; 1945 Allis CH tractor single front tire: 1929 IHC Regular tractor doesn't run; 3 old MM self propelled combines.

#### MACHINERY, COMBINES & TRUCKS

1972 IHC Loadstar 1700 gas truck, tandem axle, 5 sp 2 sp, 18' metal box w/hoist; 1984 Ford F250 pickup, 4 wheel drive, 8 cy, automatic, runs good; 1979 Ford F250 pickup. auto, 8 cy short block Ford engine with less that 1000 miles on engine, needs carb work; Bohnert 7'x20' gooseneck covered stock trailer: Hale 5'x16' covered stock trailer; NH 985 diesel combine would run;

IHC 916 combine doesn't run; 1950s IHC pickup doesn't run; 1973 GMC 15 Hundred Custom pickup 6 cy. auto. doesn't run; IHC L185 truck, 6 cy. 4 sp. been sitting; 1972 IHC pickup; 2 IHC KB 7 truck chassis; Hutch Master 21' tandem disc; Sunflower 26' tandem disc; Great Plains 30' 10" disc drill; Big 12 2 wheel 400 bu. grain cart; Krause 15' V blade; Krause 16' tandem disc; Krause 16' chisel; Sunflower 3 pt. chisel; Kline 24' field cultivator; 3 pt. 12' ripper w/treader; Ford 4-16 semi mount plow; NH 268 twine baler; Case 2 wheel side delivery rake: NH 718 field cutter 36 rows; JD 3800 field cutter; NH 460 pull swather; NH swather w/cab; swather trailer; 6 row cultivator; Ford 4 wheel feeder wagon; 4 wheel trailer w/ metal grain sides; Grain-O-Vator wagon; Dump Chief silage wagon; 6"x30' PTO auger; 3 pt. 8' tilt angle blade; 3 pt. 5' shredder; 3 pt. 8' blade; 3 pt. stiff shank cultivator; 2-3 pt. 3 bottom plows; 3 pt. bale unroller; 3 pt. 6' tiller; 3 pt. 6' blade; 3 pt. bale fork; 3 pt. 15' rotary hoe; 3 pt. cement mixer; shop built tree saw; 3 pt. mist sprayer; 6-bale hay clamp; cattle head

gate; loading chute; triple axle implement trailer; 1000 bu. & 2500 bu grain bins to be removed; 2 wheel heavy grader; pickup stock rack; dump rake; horse mowers; many pieces of older machinery for iron; large assortment of iron.

**3 WHEELER , SHOP EQUIPMENT & OTHER** Honda 3 wheeler; Coleman 5000ER generator; Lincoln AC DC welder; Lincoln Weldan Power 150 generator-AC welder; Radnor cutting torch & gauges no bottles; 1/2" drill press; 6" vise on stand; electric tools; Crescents; 1" socket set; porta power; battery chargers; 13.6-38 tires; transfer new pump w/gas engine; 12 volt post hole digger; jacks; gas engines; band saw; Handy Man jack; metal shop table; come-a-longs; cylinders; shop light; wash tubs; saddle; girls bike; 2 wheel trailers w/fuel tanks propane bottles; 2-500 gal propane tanks; 2-1000 propane tanks; 500 gal diesel barrel; fencers; many shop supplies; windmill tower; small cast iron rock grinder; 2 wheel horse sulky cart; single seat buggy no wheels

NOTE: The John Deere, Case & Ford tractors run good, some of the MM tractors run. Most of the machinery has not been used for several years. Check our website for pictures at www. thummelauction.com

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

# SATURDAY. NOVEMBER 19. 2022 Auction will be held at the Commercial Building located at the Fair Grounds in BELLEVILLE, KS

ANTIQUES, COLLECTIBLES & TOOLS

Oak high rise S roll top desk; oak pedestals (from Eastern Star in Munden); barber shop back case from shop in Munden; 6' church pew from Munden; ice cream table & chairs from Munden; Eureka 1/2 size porcelain cook stove; oak 5-drawer highboy; oak sideboard; oak dresser box; oak dresser; oak plant stands; flat top & camel back trunks; sewing machine base table; bentwood churn; pr. oak pattern back chairs; Grandmother clock; 50s high chair; 60s kitchen table w/green chairs; waterfall cedar chest; floor model phonograph; oak library table; wood sorting bins; wall mirror; 20s rocker; wood ironing board; metal lawn chairs & glider; 50s plant stand; organ stool; white dropleaf table; 5 pc. 50s bedroom set; blue couch; floral chair; Guns inc: Remington 22 (2094577); Western Field 20 ga model SB100B 3" chamber; British Infield 303 sporterized; Benelli Nova 20 ga 3"x2¾; Remington Wingmaster 870 12 ga. 2<sup>3</sup>/<sub>4</sub>; Ben Franklin

(H34018) BB gun; Blanche Horak paintings; Toys: Coca Cola pedal car; State HiWay mobile dragline; Tru Scale farm toys; Tonka trucks; pr. tin race cars; cap guns; model cars; race cars; jumping horse; skate boards; toy telephones; Wyatt Earp guitar; electric football game; doll bed; roller & ice skates; 4' wooden barber pole; barber bag w/equipment from Munden barber; Golden Sun feed clock; Full O Pep feed clock; store cigar lighter; cigar cutter; malt mixer; glass perfection heater; Aladdin model 12 kerosene lamp; kerosene lamps; bracket lamp; mini lamps; hardware store scale; Mastercrafters clock; Odyssey game; crocks inc: crock umbrella stand; 4 gal birch leaf; 2 & 4 gal Red Wing crocks; crock jugs & bowls; 50s Coke tray; Ćoke pitcher & glasses; Halloween masks; Ball Rand basketball shoes; Adidas girl's track shoes; Army uniform; 40s & 50s ladies clothes: football helmets; doilies; linens; tea towels; jewelry; Cowboy blanket; helmet from go cart track in Munden; Hoosier jars; bells;

flow blue bowl; amber Depression; refrigerator dishes; ruby red & Avon dishes; green De pression; assortment of glass; lamb cookie jar; cameras; film splicer; transistor radios; rotary telephones; Tupperware; Corningware; 50s canister sets; aluminum pitcher & glasses; advertising boxes; hair dryers; dresser set; advertising bottles; pocket knives; wrist watches; belt buckles; egg washer & basket; Green Stamps; cigar boxes; bread pan; CBs; jars; South Bend spin cast 63 fishing reel; horse hames; yard windmill & pump; 30 gal cast iron kettle; coaster wagon; several bikes; wash tubs; National Geographic magazines with queen, and other; copper boiler; blue roaster; other granite; nodder roster; kitchen collectibles; sad iron; house scale; children's records; many local advertising; magazines; Christmas items inc: paper from 60s; cream cans; buckets; Craftsman lawn mower; router: electric tools: battery charger; hand tools; blast wedges; step ladders; wheel barrow; large collection of other items.

NOTE: This is a large auction. There are many items that came from Munden. Check our web site for pictures at www.thummelauction.com

GENE & GERALDINE HIATT ESTATES Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067

# Grass & Grain Area **Auctions and Sales**

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

- line and in-person, www. kansasauctions.net/gg/
- Always great online Equipment auctions www.purplewave.com
- Accepting Consignments for End of Year Online Only Auctions. www.mid westauctionpros.com. Auctioneers: Midwest Auction Pros.
- Sealed Bid Land Auction (bids accepted until November 14) — 133 acres m/l in Northern Shawnee County featuring Grassland, Fence & Large Pond (mail or call in bid; see ad in this paper).
- City of Lyons Clean-up Online Only (soft closes 8 pm, Nov. 30) — Go to hollingerauction.hibid. com/auctions/current to bid. Auctioneers: Hollinger Online Auction.
- November 10 Land auction consisting of 945 acres m/l selling in 4 tracts inc. Lyon & Wabaunsee County land (east of Council Grove) for Buster Wheat Cattle Co./Bonnie & William Martin Trusts. Auctioneers: Vaughn Roth Land Brokers.
- McPherson Glass Online Only (Bidding opens 8 am, Nov. 10 & soft closes 8 pm, Nov. 16) — Storage unit of glass cutting equip., shelving, glass graph air table, wrenches & power tools. Go to hollingerauction.hibid.com/auctions/ cur rent to bid. Auctioneers: Hollinger Online
- Auction. November 10 Real Estate consisting of a 3BR, 1BA home with easy access to Hwy. 24. Storage shed. storm shelter & more held at Wamego for John Habluetzel Trust. Auctioneers: Crossroads Real Estate & Auction, LLC
- November 10 Geary County Land auction consisting of 103.24 acres of Native grass pasture spring fed pond, good access & more held at White City for Connie M. Robidou. Auctioneers: Hallgren Real Estate & Auctions, LLC.
- Land November 10 Auction consisting of 74.6 acres m/l of Lincoln County land: excellent pasture held at Lincoln (online bidding available) for Gary Peterson Estate. Auctioneers: Horizon Farm & Ranch

guns & holds & more held at Nickerson for Kit Fisher Estate. Auctioneers: Morris Yoder Auctions. November 12 — Large collection of vintage Radios & TVs, Jewelry, collectibles, tools, miscellaneous, furniture & more held at Council Grove for Don Barber Collection, Clyde & Linda Rogers. Auctioneers: Hallgren Real Estate & Auctions, Hallgren

LLC November 12 — Farm equipment auction inc. tractors, hay equipment, drills, planter, pickups, trailers, tillage, hors-es, horse equipment, sawmill & wood harvest equipment, David Bradley items, farm equipcollectibles, ment & livestock items, shop & outdoor, hay, scrap iron & used batteries & more held at Americus for Bruce & Dorothy Ander-Auctioneers: Hanson. cock Auction & Real Estate.

November 12 — Tractors, trucks, trailers, shop & outdoor items, old & collectible items, guns, household & more held near Florence for Edna (Mrs. Bill) Robinson. Auctioneers: Leppke Re-

November 12 — Large col-lection of sterling silver, vintage radios, Southwest & Native American pottery, arrowhead display, gun cases, ammo, pottery, glassware, Fiesta (old & new), crocks jugs, graniteware, Artwork, coins, antique furniture, vintage toys & games & much, much more held at Salina for Chuck Smith Estate. Auctioneers: Thummel Real Estate & Auction, LLC. November 12 — Tractors & farm equipment, 2017 Dodge Ram 1500 like new, other trucks, trailers & livestock equipment, lots of iron, shop items, household & more held near McFarland for LeRoy Schweir Estate. Auctioneers: Murray Auction Service. November 12 — 1994 Toyota Camry LE sedan, Vintage Fiesta, Collectible Pottery, Collectibles inc.: 1900s The Oliver #9 Bat Wing typewriter, antique furniture, quilts, vintage glassware, tools, household & garden items held at Lawrence for Mrs. Madelyn (Don) Moss. Auctioneers: Elston Auctions

November 12 - Land Auction consisting of 316.9 acres m/l of Washington County farmland, cropland, native grassland sold in 2 tracts held at Morrowville for Goebel Farms. Online bidding available at www.Midwest LandandHome.com.

tioneers: Prell Realty &

Auction, LLC. November 14 — Land Auction Live & Online consisting of 230 acres m/l of Coffey County land; selling home & 5 acres m/l & 225 acres m/l mostly tillable in 4 Lots held near Waverly for Lloyd D. & Karen E. Crumb Trust. Auctioneers: Superior Real Estate & Land Group & Wischropp Auctions.

- November 15 Real Estate auction consisting of a 1/3-acre parcel in the heart of Paxico: pre-viously the USD #329 middle school. Multiple classrooms, office space, storage & bathrooms, connected to a newer building with over 3,000 sq. feet & more held at Paxico. Auctioneers: Crossroads Real Estate & Auction. LLC.
- November 15 Real Estate Auction consisting of 68.71 acres m/l of Osborne County land inc. 66.83 farmland ac. with 40.33 irrigated ac. & 25.58 dry ac., Kent building, irrigation pipe & trailer held at Osborne for John W. Bergman Estate, Auctioneers: Thummel Real Estate & Auction, LLC.
- November 15 Land Auction consisting of 240 acres m/l of Lincoln County land: excellent tillable, pasture, CRP held at Lincoln for The Elmer L. & Goldie C. Wiebke Family Trust. Auctioneers: Horizon Farm & Ranch Realty, LLC., Clint Heller, agent. November 16 — Land auc-tion consisting of 2,500 acres m/l sold in 5 tracts & combinations of Chase & Lyon County land (SW of Emporia) for Lima Whiskey, LLC. Auctioneers: Vaughn Roth Land Brokers.
- November 16 Land auction consisting of 171.88 ac. m/l offered in 4 tracts or together: recreational land, 2 building sites, irrigated farmland & more held at Junction City. Auctioneers: United Country Real Estate, Crossroads Auction & Realty.
- November 17 63.4 acres m/l of Pasture in Marion County with native & mixed grass, great access, good fence & more held at Lincolnville for Pritz Joint Family Trust (Maurice Pritz & the Late Twila Pritz). Auctioneers: Griffin Real Estate & Auction.

November 17 - Land Auction consisting of 1,100 acres m/l in McPherson & Rice counties offered in 3 tracts (Excellent tillable & pasture); T1: 400 ac. m/l Rice Co. pasture; T2: 75 ac. m/l McPherson Co. pasture; T3: 325 ac. McPherson Co. creek botEstate & Auction, LLC.

November 18 — Farm auction consisting of trucks (1992 IH 9300 grain truck, 1969 C-100 Chev. grain truck, 1995 Ford F150 & others), Tractors & shop tools Equipment, & misc. held near Inman for Denise Postier, Estate of Loren Postier. Auc-tioneers: Morris Yoder Auctions.

- November 18 Land auction consisting of 419 acres m/l sold in 3 tracts of Coffey, Woodson & Osage County land for Calvert Family Part-Auctioneers: nership. Vaughn Roth Land Brokers.
- November 19 Large auction consisting of 30 guns, Equipment & misc., farm & ranch supplies, Craftsman tools, shop tools, farm primitives & collectibles, lawn & garden & more held at Hutchinson for the Gary Clarke Estate. Auctioneers: Morris Yoder Auctions.
- November 19 Real Estate consisting of 2BR, 2BA manufactured home on 2.4 ac. in rural Butler County, shop & detached garage; personal property inc.: 2003 GMC Yukon, 2002 Toyota D5 Pre Runner, 1948 Chevy, 1952 Chevy, 1952 Chevy, Diamond E trailer, mowers, guns, ammo, guitars, tools, furniture, household, appliances, an-tiques, & more held at Towanda for Estate of Jacqueline Thomas. Auctioneers: Sundgren Real-
- tv. Inc. November 19 — Old Sleepy Eye items from conventions, 1,000 Antique wrenches, automotive, ammo boxes, cast toys, old radios, advertising items, antique furniture, lawn mower & shop & more held at Strong City. Auctioneers: Hancock Auction & Real Estate. November 19 -Guns
- shells, Tractors inc: JD Model MT, (2) Ford 8Ns, riding mower. 1995 Ford 150XL pickup, furniture & TVs, Antiques, primitives & collectibles held at Portis for Jim & Jan Zamecnik Estate. Auctioneers: Wolters Auction & Realty.
- November 19 Vehicles inc. 2013 Chevy Tahoe, 2013 Chevy Silverado. Chevy Silverado, 1995 Antique cars: 1955 Chevy Bel Air, 1963 Chevy Impala, 1975 Chevy Blazer, 1976 Chevy Silverado. 2011 Casita travel trailer, Honda Trail 90 motorcy cle, equipment inc.: Ford 600 tractor & more, tools, antiques, household & much more held at Emporia for Estate of Curtis W. McCreary. Auction-eers: Griffin Real Estate & Auction.
- November 19 JD 3020 dsl with loader, JD 2840 dsl, Cat 246C skid loader, gooseneck trailers, other equipment, vintage items, furniture, toys, kitchen held near Harveyville for Dennis "D" Blodgett Estate, Jana Phillips, executrix. Auc-Wischropp tioneers: Auc-

Grass & Grain. November 8, 2022

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

November 19 - Land Auction consisting of 144.86 acres m/l of Marshall County farm & crop land held at Marysville for Heirs of Orville & Darlene Holle (property known as the Henry & Sophie True Farm). Online bidding available: www. MidwestLandandHome. com. Auctioneers: Midwest Land & Home.

November 19 - Antiques& collectibles inc.: fur-niture, trunks, Blanche Horak paintings, linens, glassware, belt buckles, jewelry, Guns & Tools & more held at Belleville for Gene & Geraldine Hiatt Estates. Auctioneers: Thummel Real Estate & Auction, LLC

November 19 - Land Auction consisting of 302.42 acres m/l of Marshall County acreage (2 tracts sold together): 259.66 ac. m/l dry crop, 28.39 ac. m/l native grass, 14.37 ac. m/l tame grass held at Beattie for Robert E. Ferguson Farm Trust. Auctioneers: Prell Realty & Auction, LLC.

November 20 - Gun & Coin auction held at Marysville for Lawrence 'Tony" Stoehr Trust. Auctioneers: Olmsted & Sandstrom.

November 21 — Land Auction held Live & Online consisting of Flint Hills Native Grass pasture: T1: 238 ac. m/l & T2: 40 ac. m/l offered single and as a whole held live at Allen for White Family Revocable Trust, Rose Ann White, trustee. Online bidding: www.superior landgroup.hibid. com. Auctioneers: Superior Real Estate & Land Group & Wischropp Auctions.

November 28 — Land Auction consisting of 160 acres m/l of Washington County land including 41 ac. cropland, balance native grass pasture with excellent wildlife habitat, good fences, 2 small ponds, old farmstead, good outbuildings & rural water held at Washington for The Tuttle Family. Auctioneers: Bott Realty & Auction.

November 28 — Land Auction consisting of 446.74 acres m/l of Cloud County prime cropland, tillable across all tracts offered in 4 tracts held live at Clyde with online si-Clyde with online mulcast bidding at www. FNCBid.com. Auctioneers: Farmers National Company. November 29 — Real Es-

tate auction consisting of 40 Acres m/l of Wabaunsee County cropland with easy access and utilities to the property held at Harvevville. Auctioneers: Crossroads Real Estate & Auction, LLC.

November 29 — Land & Residential auction consisting of 37.9 acres m/l of Marshall County (farm

Page 11 Hills, ponds, five wire fence, panels & loading chute held live at Herington with online bidding at gavelroads.com. Auctioneers: Gene Francis & Associates Real Estate Brokers & Auctioneers.

December 1 - Simulcast Live & Online Land Auction consisting of 78 acres m/l of Riley County well-maintained Flint Hills land including (2) 1-acre subdivision lots, native grass, waterway, timber, great building site held live at Manhattan with online bidding at gavelroads.com. Auctioneers: Gene Francis & Associates Real Estate Brokers & Auctioneers.

December 1 — Land auc-tion consisting of 320 acres m/l sold in 2 tracts & combination of northern Greenwood County land for Gilbert A. Soule Rev. Trust. Auctioneers: Vaughn Roth Land Brokers.

December 2 — Greenwood County Land Auction consisting of 320 acres in the Heart of the Flint Hills. Large pond, timber lined wet weather creeks, big deer, quail & scenic view held live at Eureka with online bidding available: www. sundgren.com. Auctioneers: Sundgren Realty, Inc., Land Brokers.

December 3 — Tractors inc. 1974 IHC 966, 1974 AC 7040, 1969 AC 190, 1956 AC HD6-G crawler tractor, 1953 IHC Super M. 1949 IHC H. 1978 Chevrolet Custom Deluxe 30 Camper Special pickup & other machinery held near Clifton for Bob Gilbert. Auctioneers: Thummel Real Estate & Auction, LLC.

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

December 6 — Real Estate Auction consisting of Mitchell County land including 145.34 farmland acres with 81.53 crop acres held at Randall for Debbie Galaway, Mike Plowman, Kathy McMahan, Marcia Koch. Auctioneers: Thummel Real Estate & Auction, LLC

December 10 (RESCHED-ULED from Nov. 5 due to weather) — Farm Auc-tion including JD 4400 combine, 2011 Red Rhino gooseneck flatbed trailer & more farm equipment, collectibles & misc. including Vintage JD 3 sp. Men's Touring bicycle, vintage toys, Hot Wheels, JD collectors, household decor & much more held at rural Linwood for Dave & Julie Downes. Auctioneers: Elston Auction.

December 10 -Shawnee County Land auction consisting of 184 acres m/l of Soldier Creek bottom farmland offered in 4 tracts (land located east of Silver Lake) held at Silver Lake for Roeder Implement Company, Inc. Auctioneers: Cline Realty & Auction, LLC. December 12 - Real Estate Auction consisting of Smith County land: T1: 154.43 ac. farmland with 89.01 crop acres, 65.40 acres pasture; T2: 157.70 farmland acres, 69.90 crop acres, 87.80 pasture held at Smith Center for Higby Farms. Auction-eers: Thummel Real Estate & Auction, LLC. April 8, 2023 — Fink Beef Genetics 37th Annual Sale held at Randolph.

Realty, LLC., Clint Heller, agent.

November 11 — Skid steer attachments, tractor implements, UTVs, boat, mower, road grader. trailers. aluminum. propane tank, hot tub & pool parts, clay thrower, welder, tools & equipment, buildings, gun safe, commercial kitchen & furniture, appliances, household & much more held near El Dorado for Russ & Keri Waller. Online bidding available on select items (www.sundgren.com). Auctioneers: Sundgren Realty, Inc.

November 12 — Tractors & Farm Machinery inc.: IH 300 gas NF, 1949 Ford 8N, 1952 JD MT & more, 1959 Ford truck, 1989 Ford F-150, 1972 Torino car, 1972 Yamaha dirt bike, 40 guns, shop equipment, coins, old & collectible tools & more held at

Goessel. Auctioneers: Van Schmidt Auction. November 12 — Lawn & garden items inc.: Cub Cadet Ultima ZT1 zero turn mower, woodworking & misc. shop tools,

Auctioneers: Midwest Land & Home.

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

inc. 7240 Case/IH, 5288 IH, AC, Farmall A, Ford 8N & more, 2011 Buick Lucerne CLX car, grain truck, equipment, col-lectibles, Guns, primi-tives, household & more held near Ottawa for Donald (Donnie) & Nancy Johnson Trust. Auction eers: Hamilton Auctions. November 12 - Land Auc tion consisting of 148.6 acres m/l of Washing-ton County acreage with 137.6 ac. m/l dry crop, 1.8 ac. m/l native grass and ac. m/l tame grass 92 held at Marysville for Raymond Pacha. Auctom tillable, 233 ac. pas-ture, 42 ac. timber/creek held at McPherson for The Heirs of Letha Ione Johnson Trust. Online bidding available (www. horizonfarmranch.com). Auctioneers: Horizon Farm & Ranch Realty, LLC.

Max Alber Online Only (Bidding opens 8 am, Nov. 17 & soft closes 8 pm, Nov. 23) — Shop equipment, tools & personal prop-erty. Go to hollingerauction.hibid.com/auctions/ cur rent to bid. Auctioneers: Hollinger Online Auction

November 17 — Tractors inc.: 1985 JD 4250, 1980 JD 4640, Case 1370, 1949 Ford 8N & others, machinery, combines & trucks, 3-wheeler, shop equipment & more held West of Concordia for Alvin Cook Estate. Auctioneers: Thummel Real

tions & Craig Wischropp. November 19 — Antiques

& Collectibles inc.: 1938 Singer 221Featherweight sewing machine, Olympic 1996 Atlanta Torch, brass Nightingale steam whistle, 1888 Dark Town Battery Baseball Bank, crocks, household held at Marysville for Lawrence 'Tony" Stoehr Trust. Auctioneers: Olmsted & Sandstrom

November 19 — Farm auction including Kubota L4701D HST tractor, Utility vehicle, commercial zero turn mower, other equipment, produce & vegetable equipment, canning supplies, garden supplies, High-Tunnel items, tools & more held at Baldwin City for Richard P. Taylor. Auctioneers: Elston Auctions.

November 19 — Consignment Auction consisting of tractors, equipment.



SATURDAY, NOVEMBER 12, 2022 — 10:00 AM Auction Location: Landoll Lanes, 2005 Center Street, **MARYSVILLE, KANSAS 66508** 

PROPERTY ADDRESS: Located at the intersection of Cross Creek Road & Highway 36 (aka 19th Road), Washington County, KS Directions: From intersection of Hwy 36 & Hwy 148 drive 2 mi. eas on Hwy 36, south side of highway. OR From Y-intersection of Hwy 36 & Hwy 77 drive 8 mi. west on Hwy 36, south side of highway.

WASHINGTON COUNTY PROPERTY DESCRIPTION: 148.6 total Ag acres more or less 137.6 acres +/- dry crop \* 1.8 acres +/- native grass \* 9.2 acres +/- tame grass This tract provides an excellent location right along

Hwy 36 for farming, residing, hunting & investing! Look this property over before the sale!

**Contact: PRELL REALTY & AUCTION, LLC** for more details and maps.

For more information & for a copy of the sale bill visit our website at prellrealtyauction.com

#### SELLER: RAYMOND PACHA

#### **PRELL REALTY & AUCTION, LLC** prellrealtyauction.com

Vallery Prell Don Prell Steve Prell Assoc. Broker/Auctioneer Assoc. Broker/Auctioneer Broker 785-562-6787 785-713-2191 785-713-1466 & crop land), 3BR, 2.5.BA home & outbuildings held at Marysville for Opal M. Tobin Revocable Trust (property known as the Game Bird Farm). Online bidding at: www. Midwest LandandHome. com. Auctioneers: Midwest Land & Home.

November 29 — Real Estate auction consisting of Republic County farmland & crop acres held at Belleville for Jesse Jeardoe & Jane Jeardoe. Auctioneers: Thummel Real Estate & Auction, LLC.

December 1 - Absolute Simulcast Live & Online Land Auction consisting of 121 acres m/l of Morris County well-maintained native grass in the Flint

#### \*\*LVE \*\* AUCTION FRIDAY, NOVEMBER 11, 2022 - 10:00 AM 6874 SE 4TH, EL DORADO, KS 67042 From El Dorado, east 7 miles on HWY 54 to Price Rd, then north 5/8 mile RUSS & KERI WALLER, SELLERS

THIS IS A LARGE AUCTION FULL OF HIGH QUALITY ITEMS THROUGHOUT Skidsteer & Attachments: John Deere 324E Skidsteer, 6 years old 480.3hrs. **Tractor & Implements:** 2021 Kubota BX2680 w/LA344 Loader 4' Bucket, Diesel, 4×4, 43hrs \* Land Pride 50" Reverse Rotary Tiller PTO RTR1250. **UTVs:** 2015 Polaris RZR High Lifter 1000, 110hp, 758 miles, Premium Roof w/Marine Audio, Rock Sliders, Mirrors, Hal Glass \* 2014 Polaris RZR4 900, 927 Miles. **Boat:** Tracker V14, Mercury 9.9, MinnKota Trolling Motor. Truck: 1981 Ford Custom F350 DRW. Mower: Kubota ZG2272 54" ZTR Commercial Mower, 455hrs. Road Grader: Allis Chalmers M65 Road Grader, 60hp, Brake Job ~50hrs ago Cab Option. Trailers: Load Trail Dump Trailer \* Kaufman 22' Flatber Trailer \* 2017 WW 16' Bumper Pull Stock Trailer. **Aluminum:** (32) 1"x1" Trusses 23'6" Length \* (16) 2"x2" Trusses 20' Length \* 1" Extruded Tubes 1/16" Wall \* (20) 2"x2" 1/8" Wall \* Floor Deckings – 1 Full Sheet, 3 Partial. **Gravel:** \* Asphalt Shavings – Approx 35 Tons \* 3/4" under Mo-line Rock – Approx 75 Tons. **Propane Tank**: 500 Gallon Propane Tank, Approx 68% Full, On Stand w/Pump. Hot Tub & Pool Parts: Starligh Custom Hot Tub, (3) 6hp Pumps, 115 Jets. Clay Thrower: Atlas Patriot Thrower. Welder: Hobart Airforce 700I 230V 40amp Output on Cart Tools & Equipment: Norton Clipper CP514-350 Concrete Saw NIB \* Norton Clipper Ceramic Tile Cutter \* Tapco 10.5' Sheet Metal Bender on Stand w/Pro Cutoff \* Dayton Commercial Dehumidifier \* Stihl 066 Magnum Chainsaw \* Stihl HT101 Telescoping Saw \* Metabo 8" Bench Grinder \* Graco Magnum ProX19 Airless Paint Sprayer NEW \* Central Machinery Metal Bandsaw \* Dewalt XR Cordless Framing Nailer \* Dewalt Chopsaw \* Dewalt Propane Heater. Buildings: (2) 8'x12' Meta Buildings. Gun Safe: Centurian by Liberty Safe 22 Gun. Commercial Kitchen & Appliances: Globe 36" 3 Burner Flattop \* CPG 24 Grill \* Avantco Fryer \* Regency Stainless Table \* Atosa Refrigerator \* Chest Deep Freezer \* Avantco Warmer – Half Size \* Crosley Stack Wasker/ Dryer \* Solwave Microwave \* Cater Gator \* Popcorn Popper \* Stainless Pots, Pans, Sheets. Furniture & Household: EZ-UP Tents \* Over 100 Edding Chairs \* Edding Tables \* Large Aluminum Pack Folding Chairs \* Folding Tables \* Large Aluminum Rack. MANY MISC ITEMS TOO NUMEROUS TO MENTION.

ONLINE BIDDING AVAILABLE ON SELECT ITEMS \* 10% BUYERS PREMIUM

#### SUNDGREN REALTY, INC. View more details at: WWW.SUNdgren.com JEREMY SUNDGREN: 316.377.0013 \* JOE SUNDGREN: 316.321.7112

63.4+/- Acres of Pasture in Marion County THURSDAY, NOVEMBER 17, 2022 - 6:00 PM AUCTION LOCATION: The Lincolnville Community Center, 213 W. 6th St, LINCOLNVILLE, KS 66858 SELLER: PRITZ JOINT FAMILY TRUST (Maurice Pritz & the Late Twila Pritz) It is a privilege to represent the Pritz Family in the sale of this native and mixed grass pasture in Marion Co. This pasture has great access with es of gravel, located 2.8 miles north of Lincolnville, KS or only 0.3 mile US-77 to 320th, then west 0.3 miles to the NE corner of the property. The county shows 63.4 total acres of Native and mixed grass with good fence in place. There is a small draw on the north with some trees that would offer good protection for wintering cattle. Buyer will be responsible fo water, there is no pond or well, current water has come from a well on the neighbor's property. Seller's minerals transfer to the buyer, there is one oil well on the property with minimal production. Be sure to take a lool at this property, good access, pasture, and only 35 minutes from Junction City, come see how this property can work for you! (BRIEI LEGAL: a tract in the W/2 NW/4 in S35-T17S-R-04E, Marion Co, KS).

LAND AUCTION

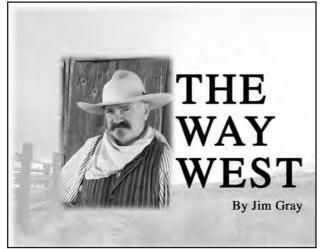
For full listing, terms & photos GriffinRealEstateAuction.com

Real Estate & Auction Phone: 620-273-6421 Fax: 620-273-6425

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

305 Broadway, Cottonwood Falls, KS 66845 griffinrealestateauction@gmail.com In Office: Heidi Maggard, Linda Campbell

HEIDI MAGGARD Broker Cell: 620-794-8813



Grass & Grain, November 8, 2022

# A Splendid Land

Supplies were running short. Horses were starving. Some had not had corn for three days and the grass was gone, overgrazed by thousands of buffalo. The 1869 expedition had ventured beyond the known settlements of the Solomon River on a journey of discovery for the Junction City, Solomon Valley, & Denver Railroad. Promoters hoped to build the railroad up the sparsely settled Solomon Valley. No one knew the country beyond the confluence of the North and South Solomon Rivers, known as "The Forks" (Covered today by the waters of Glen Elder Reservoir).

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The expedition was supported by sixty volunteer troopers led by Captain Richard Stanfield, Company D, and Lieutenant Chauncey Whitney, Company A, Kansas State Militia. The commanders were veteran Indian fighters. Stanfield had come to Kansas in 1867, taking up a homestead on White Rock Creek in Republic County in 1868. After Cheyenne raiders killed settlers and took captives Stanfield was elected captain of the local Salt Creek Militia. When the Kansas State Militia was formed in June of 1869 Governor James Harvey commissioned him Captain of Company D.

Chauncey Whitney had served in Forsyth's Scouts, participating in the famous Beecher Island fight with the Cheyenne, Arapaho, and Sioux in September 1868. Returning to Ellsworth he served as Ellsworth Constable until appointed First Lieutenant of Company A in July of 1869. The Kansas Militia was made up of plenty of men with "scores to settle."

Unfortunately the militia was not well supplied. Within days of venturing beyond "The Forks" provisions became critically depleted. The "blinding fury" of an October 22nd snowstorm tested their resolve. However, as Kansas weather is prone to do, the day turned unusually warm and pleasant on October 25th.

That day the party passed through an abandoned Indian camp. More than two thousand people were estimated to have lived in the village covering more than a half-section of land. They supposed it to have been occupied in the previous year, although they did find ten horses running loose nearby on the open prairie.

Scouts had seen signs of Indians north of the river and strangely the buffalo were moving north, unusual for the time of year. Suddenly buffalo swarmed the camp. A previous order against shooting was suspended and "more than a dozen" buffalo were killed to supply the expedition of seventy-seven men with meat.

Leaving the camp on

the river bottom McBratney and others visited the uplands framed by a layer of magnesium limestone. "From the uplands the view is splendid; several timbered Cr. (creeks) coming toward the river as far as the eye can reach."

The morning of October 26th the party rode along a wide, unobstructed valley over level, rich land for ten miles. An old overgrown trail was discovered and followed throughout the day. (The remnants of the Leavenworth & Pikes Peak Stage Road from the Colorado gold rush of 1859-1860). Seven miles farther brought them to camp in a wooded area along the river.

Captain Stanfield had determined to leave the expedition and return to his post in Republic County. His horses were starving and despite the abundance of buffalo his men were out of hardtack, a sort of cracker that was the mainstay of military rations. With half the supporting militia abandoning the expedition Mc-Bratney reluctantly concluded "to take the back track with feelings of keen regret." The camp (near present-day Logan. Kansas) was named Camp Retreat.

Command of the escort was taken by Lt. Chauncey Whitney. Lt. Henry Tucker of Company C was with him. Like Whitney, Tucker was familiar with the upper reaches of the North and South Solomon Rivers from the campaign that resulted in the Battle of Beecher Island. The experienced Indian fighters told McBratney that another two days' march would bring them into the midst of Cheyenne, Sioux, and Arapaho camps, "now engaged in laying in winter supplies." Limited supply of both provender and ammunition was reason enough to support the decision to return to civilization.

On the return march a pause at a creek (southwest of Kirwin Reseivoir) led to the inspection of a chalk bluff one-half mile to the north. Professor Mudge, intent on collecting fossilized oyster shells, made the most interesting discovery of a "vertebrae" found in the lowest layer of the chalk formation where, although the head was missing, the "very perfect" bones "had laid buried ever since this portion of the world was a tropical ocean." The bones indicated a reptile about eight feet in length. It has been speculated that Mudge had found a Mosasaur. The site was named Saurian (Lizard) Point and the creek below. Saurian Creek, names that have not

survived to the present.

The return to the mouth of the Solomon River witnessed a dwindling escort until the original railroad expedition was left alone on their last leg of the journey. They had traveled one hundred fifty miles into the fertile valleys of the Solomon. It would be another ten years before a railroad would churn into the valley to secure the future that Robert McBratney had envisioned when he dared to look upon the land of splendor beyond "The Forks" of the Solomon River 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!

#### TOTAL FOR THE WEEK: CATTLE 5926.

	IUIAL		EER: U	ATTLE 39	20.
	STEER		16 red	Hunter	714@167.50
300-400		5219.00 - \$229.00	62 mix	Assaria	786@167.50
400-500		S230.00 - \$241.00	7 mix	Abilene	821@167.00
500-600		S227.00 - \$236.00	69 mix	Whitewater	751@167.00
600-700		S190.00 - \$200.00	5 red	Westmoreland	
700-800		S176.00 - \$187.00	9 blk	Salina	811@163.00
800-900 900-1,00		6175.00 - \$185.50 6167.00 - \$176.50		SPECIAL CA	
300-1,00	HEIFER		ти	ESDAY, NOVE	
300-400		5180.00 - \$190.00		STEEF	
400-500		\$180.00 - \$191.00	23 blk	Clyde	480@241.00
500-600	9	6185.00 - \$196.00	15 blk	Lincoln	504@236.00
600-700		\$171.00 - \$181.00	31 char	Ada	521@226.75
700-800		6160.00 - \$170.50	14 blk	Geneseo	482@223.00
800-900	9	\$160.00 - \$170.00	7 blk	Ellinwood	485@214.00
			18 char	Ada	415@214.00
	RSDAY, NOVEI STEER		10 mix 13 blk	Windom Salina	520@211.00 518@210.00
17 blk	Burden	400@229.00	25 char	Ada	596@210.00
26 blk	Burden	472@204.00	35 blk	Clyde	552@209.50
11 blk	Claflin	570@200.50	8 blk	Minneapolis	557@209.00
10 blk	Rush Center	570@200.00	7 blk	Brookville	518@207.00
6 blk	Hutchinson	443@196.00	5 blk	Timken	577@203.00
5 blk	Burns	589@196.00	9 blk	Brookville	523@203.00
11 blk	Brookville	506@194.00	26 blk	Geneseo	581@201.25
7 blk	Gypsum	617@189.00	16 blk	Glen Elder	573@200.50
4 blk	McPherson	634@188.00	33 blk 49 red	Salina	609@200.00
4 blk 8 blk	Claflin McPherson	655@187.50 714@187.00	49 reu 19 blk	Geneseo Galva	519@199.75 566@199.00
4 blk	Inman	611@187.00	20 blk	Lincoln	578@197.00
7 blk	Wilson	718@186.00	31 blk	Salina	687@195.50
15 mix	McPherson	502@186.00	36 blk	Lincoln	629@195.50
6 blk	New Cambria	608@186.00	30 blk	Clyde	657@195.25
5 blk	Inman	711@186.00	12 blk	Clyde	695@195.25
60 mix	Assaria	815@185.50	9 blk	Delphos	641@195.00
6 mix	Clifton Florence	626@184.50	12 blk	Victoria	567@195.00
64 blk 62 blk	Florence	868@184.10 875@183.00	25 blk 6 blk	Ellinwood Ellinwood	566@194.00 661@193.00
127 blk	Stigler, OK	846@182.50	31 blk	Brookville	594@192.75
8 blk	Wilson	821@181.50	11 blk	Minneapolis	672@192.00
5 blk	Hesston	861@181.00	15 blk	Longford	615@190.50
11 blk	Wilson	852@181.00	26 blk	Brookville	651@190.00
59 mix	Florence	868@180.00	55 red	Geneseo	591@187.00
26 red	Hunter	888@179.75	18 blk	Longford	679@185.50
20 blk	Abilene	874@179.00	19 blk	Delphos	722@185.50
60 mix	Hope Hunter	862@178.25	49 blk	Clyde Geneseo	758@183.00 660@168.75
18 red 70 blk	Florence	762@178.00 769@178.00	32 red 4 mix	Gypsum	434@160.00
61 blk	Uniontown	968@176.50	4 1117	HEIFE	
114 blk	Stigler, OK	960@174.50	15 blk	Brookville	504@196.00
27 blk	Stigler, OK	944@174.50	20 blk	Minneapolis	552@191.50
	HEIFER	S	21 red	Geneseo	486@191.00
11 blk	Burden	347@190.00	20 char	Ada	444@190.00
3 blk	Claflin	483@179.00	17 blk	Galva	506@189.00
7 mix	Brookville	461@176.00	14 blk	Geneseo	530@188.50
9 blk	Rush Center	447@175.00	43 blk	Brookville	573@188.00
18 blk 14 blk	Rush Center Salina	533@174.00 611@172.50	9 blk 5 blk	Ellinwood Delphos	513@187.00 494@185.00
7 blk	McPherson	689@172.00	5 blk 20 blk	Clyde	435@185.00
12 blk	Brookville	541@172.00	6 blk	Clyde	317@185.00
7 blk	Bennington	789@170.50	3 char	St. John	467@184.00
63 mix	Wilsey	868@170.00	11 mix	Ada	504@184.00
8 red	Hunter	829@170.00	9 blk	Salina	498@183.50
5 blk	Osborne	781@169.00	8 blk	Marion	454@183.00
5 blk	Claflin	559@169.00	56 mix	Ellinwood	567@183.00
9 blk	Abilene	751@168.00	36 blk	Clyde	522@183.00
		IN STOC			

### Livestock Commission Co., Inc. Salina, KANSAS SALE BARN PHONE: 785-825-0211 MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY Hogs sell at 11:00 a.m. on the 2nd & 4th Monday of the month. Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls.

#### THURSDAY — CATTLE ONLY

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

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD

For a complete list of cattle for all sales check out our website www.fandrlive.com

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

16 mix	Gypsum	506@182.50	32 char	Ada	503@176.50
13 blk	Minneapolis	611@181.00	5 blk	Timken	572@175.00
39 blk	Salina	566@181.00	55 blk	Lincoln	573@175.00
9 blk	Victoria	598@180.00	23 blk	Galva	624@174.50
53 blk	Clyde	618@179.00	16 blk	Glen Elder	590@173.50
27 blk	Lincoln	511@179.00	12 blk	Delphos	619@169.00
13 blk	Longford	601@178.50	18 blk	Salina	628@168.00
13 mix	Geneseo	414@178.00	44 blk	Clyde	725@167.00
6 blk	Nickerson	585@178.00			

**EARLY CONSIGNMENTS FOR THURSDAY, NOVEMBER 10:** 

• Heavy Duty Round Bale Feeders • Heavy Duty Feed Bunks

65 black steers & heifers, 750-950, long time weaned, 2 round vaccinations, mostly home raised; 18 black/red steers & heifers, 400-600, long time weaned, vaccinated, home raised; 44 black/bwf steers & heifers, 300-650, home raised, no implants; 62 steers, 850, no sort; 60 mostly black steers & heifers, 700-800, home raised, weaned June 15, vaccinated.

#### PLUS MORE BY SALE TIME.

SPECIAL COW SALE. TUESDAY. NOVEMBER 15. 2022 \* 11 AM BULLS: 20- 18 month old Angus bulls, virgin, semen checked; 3 Red Angus (2-2year olds, 1-4year old), semen & trich tested; 2 Red Angus. HEIFERS: 40 blk/red/char, bred Registered Red Angus bulls; 11 red & black, home raised, OCHV, pelvic exam, bred Red Angus; 300 black, bwf, red, Montana origin, bred LBW Angus, very gentle, mostly One Iron, calving January 25 for 55 days; 24+24 first calf heifer pairs, worked & poured; 75 black heifers, OCHv'd, Bozeman, MT origin, 1 ranch, bred to Spencer Jones Angus bulls, calving March 1st. COWS: 65 black cows, bred black, 3-5 years old; 40 black/bwf 3-5 years old, bred Oleen Hereford; 30 black/bwf 3-5 years old, bred char; 10+10 young black pairs, 30+ day old calves; 100 black Angus, 3-5 years old; 30 Red Angus, 3-5 years old; 30 Hereford, bred black Angus; 25 black/ Red Angus cows, 3-5 years old, bred red & black; 10+10 black/red 3-5 years old; 20 black/bwf, 3-5 years old, bred Swanson black Balancer bulls; 100 black/red, spring cows, 3-5 years old, bred black; 30+30 black/ red fall pairs, 3-5 years old; 40+40 black/ red fall pairs, 4-7 years old; 20+15 young heavy bred & pairs; 10+10 young black fall pairs, 3-5 years old; 50 black/red cows, 4-6 years old, bred to black bulls, some pairs; 40 black spring calvers, 3-6 years old; 20+20 young black/red pairs; 80 black cows, 4-8 years old, bred black; 80 bred Sim/Angus cows, 3-6 years old, home raised, bred to Cow Camp Sim/Angus bulls, March calvers; 60 red/ black cows, solid mouth, bred black/red Angus; 70 black, 6 years- older, calving February/March, Wooden Cross sired; 8+8 5 years old pairs, worked & poured; 220 black cows, 3-4 years old, Schlessiger Origin, bred Angus; 15 black/red, 3-6 years old, spring calvers, bred to black Rippe Balancer bulls; 6+6 3 years old, black pairs, exposed back to Char bull, calves all worked; 55 Red Angus/ charX, 4-6 years old, bred Wooden Cross char; 10+10 black/red, 3-4 years old, 2 month old calves; 7+7- 4-8 years old, calves worked; 8+8 solid mouth pairs; 30 some pairs, some bred, McCurry Angus sired, Complete dispersal; 13 black cows, 6-8 years old, bred char, early calvers; 55 cows, young, bred char.

#### PLUS MORE BY SALE TIME

