

Since 1954

GRASS & GRAIN[®]

AGRICULTURE'S LOCAL NEWSPAPER

Published by AG PRESS

69th Year

No. 24

August 15, 2023

\$1.00



Spark's Burger Co. offers locally sourced fast food

By Donna Sullivan, Editor

The concepts of "Farm to Fork," "Locally Sourced," and "Know Your Farmer," have gained popularity in recent years, often being just that – concepts. But Genny McGregor has made them a reality with her restaurant Spark's Burger Co., located on Poyntz Avenue in Manhattan.

Opening the restaurant came at great personal sacrifice for McGregor. She lived in Colorado and had built a career in the food service industry. As she began developing the concept of opening a restaurant featuring locally sourced food, she wanted to include chicken on her menu. "It's hard to find pasture-raised, USDA chicken in Colorado," she said. "So, I came out to Kansas, chasing a chicken farmer and then honestly just fell in love with the state, fell in love with the people. I felt in the soul of my bones, my business is supposed to be in Kansas." She went back to Colorado and within a month had sold her home, packed up and headed to Kansas in search of where the restaurant should be located. "Manhattan in particular and the state itself has its ear to the ground on agriculture," she continued. "There's still a lot of family farms that are viable. I think this concept resonates more with the residents of Kansas than it would in Colorado. People understand what locally sourced means, and in this day and age, you have to go out of your way to support your local farmers as opposed to going to big box stores and getting something more industrialized. I think people go out of their way to support that here, more than in Colorado."

The hardest part was leaving behind her sixteen-year-old special needs son, who lives with his father. "The first hurdle was understanding that this concept to me was important enough to make huge sacrifices," she said. "Every day it's a challenge to not be in Colorado, to not be near my family, to leave my teenage son."

She opened the restaurant on Mother's Day as a gift to her son. "I wanted to show him that if you have a dream, kiddo – and he's a brilliant-minded kid – if you have a dream, do it. Go out and don't take no for an answer, figure it out and do it. It's hard, but he's a young man and he needs to see that if you have a passion, don't let anyone take it from you."

Her next hurdle was obtaining financing for the business. "Being a single



Genny McGregor opened Spark's Burger Company in downtown Manhattan with the goal of using locally sourced ingredients and putting a face on the farmers and ranchers that produced them. Melissa Hildebrand Reed is shown in the large photo behind the counter, representing Hildebrand Dairy in Junction City. Other partners include Leffler Prime Performance, Eagle Ridge Ranch, R Family Farms, KC Cattle Company and Alma Creamery.

mom who sold all of her assets to educate her special needs kid, then trying to go out and find people who will loan me money," she said. "So, trying to get the capital to do it has been insanely difficult."

Thirdly was getting her supply chain in place. While it would have been easier to call one broad-line distributor, that didn't line up with her vision for the restaurant. "Once I had the Flint Hills area as where I might consider launching, I just did a Google search of local ranchers and people who were USDA-certified and could meet the requirements in terms of volume and quality and the treatment of their land and animals," McGregor said. "I like to say I hugged a lot of Carhartts and shook a lot of hands."

Her quest paid off as she developed relationships with producers like Jacquelyne Leffler of Leffler Prime Performance in Americus. "How this woman does it all, I have no idea," said McGregor. "But I knew that if I ever needed her, she was right

there. She became my primary supplier. I do have a list of secondary suppliers, because I'm no fool. Nothing is guaranteed, so I do have a list of others." Leffler put her in touch with Kaden and Emily Rausch of R Family Farms in Lebanon, who raise Berkshire hogs, as a source for pork.

Leffler started her direct-to-consumer business in 2015. "Now to have my beef in a restaurant in a town that means so much to me has really meant a lot," Leffler said. "I think the coolest part of the whole experience is referring the Rauschs to her for their pork. Any time you can help friends while pursuing your own dream is really neat. It's been fun to watch that happen."

McGregor also works with Eagle Ridge Ranch, Alma Creamery, KC Cattle Company and Hildebrand Dairy in Junction City.

"I think that whenever we can partner with really neat businesses that have a focus on quality and local, that's right up our alley," said Melissa Hildebrand Reed. "Spark's Burger has been a really great partner

and it's cool to watch Genny's dream come to fruition. She's poured a lot of work into it."

Reed believes businesses such as Spark's Burger Company do a great job of building a bridge between producers and consumers. "For years and years, we as farmers gave away our voice to the food processor or the manufacturer and any time we can get our voice back it amplifies our message and gives consumers another avenue to learn about their food. She's done a great job of highlighting the farmer and giving us our voice."

As for building bridges,

another twist to the story is that Genny herself has been a vegetarian for thirty years. "My motivation for many years is, I don't want to think about or be a part of animals suffering. So, it seems very counterintuitive that I would open a hamburger restaurant. But I'm also a critical thinker and I can be very objective. How I looked at it was, people eat meat. I'm not here to judge. I might not choose to, and hopefully they don't judge me for that. So if we're going to eat meat, is there a way we can do it that still takes care of people and the animals up to their

last day? And that's what I started to research for myself."

That research included a visit to a slaughterhouse where she witnessed the entire procedure from start to finish. "I did feel like I needed to come to terms with it and take responsibility for it," she said. "You come in and have a great meal and I'll make sure that the rancher is getting compensated well and that the animals are being taken care of."

Meeting the ranchers and learning the process was enlightening for McGregor. "When I started going out there and witnessing this and meeting people, I felt almost guilty because I considered myself an animal welfare activist since I didn't eat meat. I'm meeting these people whose cows eat before they do and they're losing sleep and putting second mortgages on their houses to take care of these animals. They are actually the true animal welfare activists, so why wouldn't I support them as much as I can, when they guarantee their animals only have one bad day? Those are the people I want to support and give a face to, as well."

McGregor said she used to be very involved in the plant-based food world but grew weary of all the bickering and mean-spiritedness. "I thought, I'm going to just hop in my Honda and drive out there and see what's happening and that's what I did," she related. "That's when I got here and I was like, 'You know, I don't think ranchers are the villains we think they are by a long shot. So, I'm going to create a business that puts their face on the wall because I so believe in what they're doing.'" She hopes to find common ground among people – vegetarians and meat eaters alike. "We all believe that employees should be well taken care of, our community should be well taken care of and animals should be well taken care of. So that's what I'm doing because that's hard to argue with."

Photo by Donna Sullivan

Kansas farm real estate value and cash rents see increase in 2023

Kansas's farm real estate value, a measurement of the value of all land and buildings on farms, increased from 2022, according to USDA's National Agricultural Statistics Service. Farm real estate value for 2023 averaged \$3,060 per acre, up \$430 per acre (up 16%) from last year. Cropland value increased 17% from last year to \$3,440 per acre. Dryland cropland value averaged \$3,320 per acre, \$470 higher than last year. Irrigated cropland value averaged \$4,700 per acre, \$700 above a year ago. Pastureland, at \$2,150 per acre, was \$300 higher than the previous year. Cash rents paid to landlords in 2023 for cropland increased from last year. Irrigated cropland rent averaged \$154.00 per acre, \$11.00 above last year. Dryland cropland rent averaged \$62.50 per acre, \$1.00 higher than a year earlier. Pasture rented for cash averaged \$22.00 per acre, \$1.00 above the previous year.

Legislation introduced to help protect against the death tax

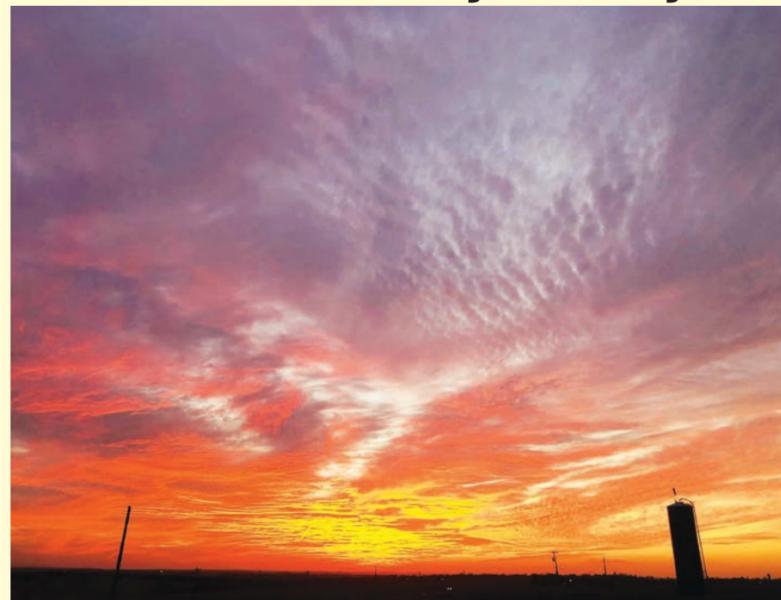
U.S. Reps. Jimmy Panetta of California and Mike Kelly from Pennsylvania recently introduced the Preserving Family Farms Act. The bipartisan legislation would expand IRS Code Section 2032A to allow cattle producers to take advantage of the Special Use Valuation and protect family-owned businesses from the devastat-

ing impact of the federal estate tax, commonly referred to as the death tax.

In the Tax Reform Act of 1976, Congress recognized the disproportionate burden of the death tax on producers and created Section 2032A to help farmers keep their farms. However, the benefits of Special Use Valuations have been stymied over

the years as the cap on deductions has failed to keep pace with the rising value of farmland. While the current 2032A reduction is 55% higher than the value established two decades ago, USDA estimates cropland values have increased by 223%. Agricultural land values, including on-farm buildings, also have risen dramatically, increasing by 241% during this same period. Due to this rapid inflation, the 2032A deduction is no longer aligned with the needs of modern agriculture, nor does it accomplish Congress' intended goal of providing meaningful protection to those producers who are most vulnerable to the estate tax.

End of the day beauty



Doug Kamphaus captured this beautiful sunset in north central Clay County.



Depictions of the Dog Days

By Kim Baldwin,
McPherson County farmer
and rancher

The summer heat of 2023 continues to make itself known. While I hear the local weather personalities referring to this heat as part of the "Dog Days of Summer," I can't help but wonder when this extreme heat we've continually experienced in July and August will end.

My weather app has shown more images of a blazing sun and cactus with the words "Very Hot" in its 10-day forecast for more days than I care to remember. While I appreciate the artistic representation of the obvious extreme heat so many of us are currently experiencing, I wonder if we could possibly get some additional images added that would capture the essence of our current weather status.

Perhaps an image of a dripping ice cream cone with the blazing sun overhead, an image of someone sticking their face into a freezer or an image of an individual sitting within the breeze of a fan blowing over a very large ice cube. These are all new images

I'd suggest to my weather app if they were crowd-sourcing suggestions for updated "Very Hot" icons.

Upon further review, I think I'd also suggest that my weather app consider the individual user or the specific location of said user when creating the visual content associated with the ten-day forecast.

While I stumble upon cactus growing in central Kansas on occasion, I really feel the image my weather app could utilize should be more reflective of my surroundings while experiencing this oppressive heat.

For example, a cartoon image of two children cannonballing into a stock tank with a blazing sun overhead would be quite representative for me.

Perhaps an illustrator could capture the image of our primarily outside farm dog, Rosie, sprawled out with her belly covering the cool tile floor in our bathroom, laying near a floor vent blasting cold air onto her.

Maybe someone could draw up an image of a cow standing in a farm pond wearing an umbrella hat.

Of course, that image would suggest that there's enough water in our farm ponds in the first place — which would not be accurate based on our current status. Since dried-up ponds on our farm is the current situation, maybe an image of a cow hiding in the shade of the trees, or a cow sipping from a large straw coming out of a stock tank would be more symbolic of our present condition.

I wonder if someone could create an artistic rendering of our dryland corn or dryland soybeans waving a white flag and saying, "We Give Up!"

Surely my weather app will update any day now with an image of a simple, pleasant sun partially behind a cloud. Perhaps an image of a cloud with raindrops will also soon appear. Surely the images on my weather app will change and suggest that we are getting to the end of this heat. I'm not sure when the weather app image updates will happen, but I guarantee I'm checking for those changes on a daily basis with the hope that the end of the Dog Days of Summer are near.

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



The younger of my two sons married a city girl from Johnson County 12 years ago. I've always been proud of her for the way she jumped right into life in the country while still maintaining her own sense of who she is. One minute she'll be wearing four-inch high heels and a stylish outfit, and the next you might find her in chore boots chasing a rogue cow who decided to go out for a stroll. She knew what she was getting into and came into this life with her eyes wide open. Her mother, on the other hand...

It always makes me smile when I see her mom experience things that have always been a part of our lives but have to seem very foreign to her. She's a great sport and takes it all in stride with a smile on her face.

We might have pushed the envelope a little bit this year though, when our seven-year-old granddaughter decided to show sheep at the fair and also take part in the Shepherd's Lead. Her other grandma is a beautiful seamstress, so she was called on to help.

Here is how I imagine the conversation going from her end of the phone. "Sure, I'd love to help her construct a garment out of wool, it will be fun!"

Then she receives the rest of the assignment. "You want us to make a matching wool accessory... for... the sheep?" At this point she had to be thinking that she was being pranked, that possibly there was even a camera hidden somewhere in her kitchen and the whole thing would end up on TikTok, YouTube, or for us older folks, *Candid Camera*.

I am thoroughly convinced that in all of her years at a sewing machine, she never once thought to herself, "You know, I think I'd like to make a garment for a farm animal."

But she rose to the occasion and both the outfit for the child and the accessory for the sheep were adorable. She came to the fair and watched them go through the ring and we were all very proud.

I envision her driving back to Johnson County feeling a combination of pride in a job well done, joy in time spent with her granddaughter and in the back of her mind the question, "Was I dreaming, or did that really just happen?"

Oh, it happened. And we have the pictures of a sheep with a pink wool necktie to prove it.

KDA photo contest accepting entries through end of August

The beauty of Kansas agriculture has been celebrated throughout the state's ag industry, and we encourage photographers to capture that beauty and share it with others through the Kansas Department of Agriculture's annual photo contest. KDA

began accepting photos on July 19, and will continue accepting entries through the end of August.

This year's KDA Photo Contest categories were selected to promote different aspects of Kansas agriculture: Farm Fresh, Technology in Agricul-

ture, Kansas Critters, and Kansas Life. These categories allow you to showcase Kansas agriculture in many ways — the various products of our labor that feed our local communities, the scientific and technological advancements that increase effi-

ciency and value, the many animals that play a role in agriculture, and the overall beauty of Kansas agriculture and what it means to live in this scenic state. And for the third year, a video category will welcome drone footage, harvest videos, or other short

clips of under 30 seconds that showcase Kansas agriculture. As always, there is a separate Youth division, for young photographers under age 19. Prizes will be awarded to the top two winners in each of the six categories.

KDA serves to advocate

for agriculture, the state's largest industry and economic driver. Photos which best capture the categories will be used throughout the year as we tell the story of Kansas agriculture. After submission, KDA is granted permission to use any photograph for publications, social media, websites, displays, etc. without payment or other consideration from the photographer.

Photo entries should be sent in .jpg format to KDA. PhotoContest@ks.gov. Videos should be sent in .mp4 or .mov format. Entries must include a title and brief description, where and when the photo/video was taken, the photographer's full name and age, entry category hometown and email address.

Guidelines for the KDA Photo Contest, including deadlines, categories and prizes, can be found at agriculture.ks.gov/PhotoContest. Voting to select finalists will begin on KDA's social media sites in late August. For more information, contact Heather Lansdowne, KDA director of communications, at Heather.Lansdowne@ks.gov or 785-564-6706.



It's back-to-school time, or so I have been told. You know, it is a funny thing when you no longer have kids in school how this time of the year takes on a different tone. I guess I have gotten to the old man stage in my life. School being back in means that Manhattan is more crowded with the college kids coming back and no one know how to navigate a roundabout. It also means that my schedule does not get changed and I don't have to spend a bazillion bucks on school supplies.

I guess, technically, I do still have a child in school, but after this year Jennifer and I will have successfully placed two adult humans in the working world. I am not sure if we should be proud or worried. The main point of my rambling is that August has a different feel now that I don't have kids going back to school. Some of it I miss but a lot of it I don't. That phase of my life was good but this next one is just as fulfilling and doesn't include back-to-school shopping.

It is still an odd feeling not to worry about school schedules, sports calendars, and 4-H and FFA events, even though we have not had to for six years. I often chuckle when I hear parents with young children talk about how they will be in school forever. I assure them that they will blink and it will all be over, so sit back and enjoy the ride. It is quite a ride, kind of like a roller coaster, lots of highs and many lows and not much distance between them.

It is easy to get caught up in the rat race of kid's activities; I know I did. I wish I would have taken just a little more time to enjoy the moments as we were in them. Many times, it was too easy to get caught up in worrying about how I am going to get one kid to basketball practice and the other to a 4-H meeting. All the time I should have been enjoying the car ride in between and the conversations we had. I should have enjoyed watching basketball practice or helping with the 4-H livestock judging trip. No one told me that would all be over some day.

I didn't know I was going to miss the chores and practice with the 4-H crit-

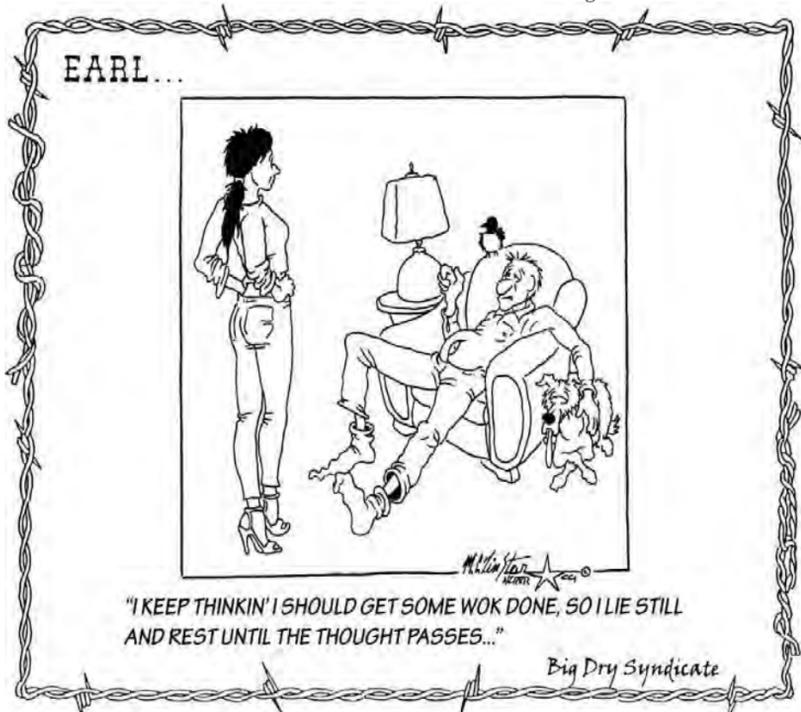
ters. Time spent on the lawn making the steers stand for the judge, clipping lambs, or sanding on the woodworking project. I did think I was going to miss the practice runs of the foods project, so if any of you out there need a taste-tester, I am your guy. I had a sneaking suspicion that I would miss the time in the bleachers, but I did not know I would miss it as much as I do.

It's funny how when the kids were home, I cherished the quiet time when it was just me, everyone going back to school meant that the house was once again mine during the day. Now, it is really nice when the kids come back to visit and there is a little more activity. I miss the kids bringing their friends by and having conversations with them about what they were doing and what their plans were. As a parent you have to admit that it is more than a little fun to embarrass your kids in front of their friends.

Don't get me wrong, I really enjoy having adult kids, watching them be successful and productive. I enjoy having adult conversations with them, but I wish I had slowed life down just a little more while they were growing up. Were there things I would have done differently? Probably, but I am not sure I would change a thing knowing what I know now, it was all part of the process for the kids and for Jennifer and me.

Don't tell the kids, but I am proud of them and the adults they have become. It turns out all of those bumps in the road, the disappointments, the struggles, and the rough times were worth it. What I wouldn't do to go back and enjoy the good times, the highs, and the accomplishments a little more and savor those moments a little longer. It all went by so fast, in just a flash.

Yes, I guess the school years are still close enough that I have that little pang of feeling like I am missing something. It gets fainter and fainter every passing year, but I still have that sense of a change in seasons. If you are in the middle of back-to-school, remember to stop and smell the crayons because just like the white on those new tennis shoes, this time is gone too quickly.



Since 1954

GRASS & GRAIN

Published by AG PRESS

785-539-7558
Fax 785-539-2679
Editor/Publisher Donna Sullivan
gandgeditor@agpress.com

— Advertising Staff —
Briana McKay
briana@agpress.com
Luisa Honeywell
luisa@agpress.com

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

MEMBER OF Associated Press

www.grassandgrain.com

Kansas Wheat CEO breaks down how the wheat world turns on podcast

By Julia Debes

Understanding the price of wheat is not as simple as driving to the local elevator to see the posted prices or checking bids on a website. Understanding the complexity of factors that go into setting that price includes analyzing supply and demand, logistical costs, geopolitical influences and other macro- and micro-economic factors. Kansas Wheat CEO Justin Gilpin sat down with Aaron Harries, Kansas Wheat vice president of research and operations, to break down the 2023 wheat harvest and provide his perspective on domestic demand and global trade issues influencing the wheat world in the latest episode of the organization's "Wheat's on your Mind" podcast.

"Every year is a little bit different, but 2023 is probably going to be one of those years that does stand out for a long time on charts, and not just due to the overall challenges this crop faced," Gilpin said. "Combined with the market volatility and unprecedented geopolitical events — everything that is occurring simultaneously within the wheat market right now is pretty incredible."

The pair started by walking through the 2023 Kansas wheat harvest, which USDA's National Agricultural Statistics Service currently estimates will be the smallest since 1966 at 208 million bushels on 6.5 million acres.

Gilpin referenced how that harvest number has shifted over the last two months, referencing a prior episode of the podcast with Dave Green, executive vice president at the Wheat Quality Council. The podcast followed the organization's annual Hard Winter Wheat Tour in May 2023, during which participants calculated crop estimates from 652 wheat fields from Manhattan to Colby to Wichita.

The tour's official yield estimate was 30 bushels

per acre — right on target with USDA's current projections — but the projection for total wheat production was 178 bushels. In comparison, USDA NASS predicted in its May 1 report that the Kansas crop would come in at 191 million bushels with average yields of 29 bushels per acre and abandonment at 18.5 percent.

"That low prediction was a surprise," Gilpin recalled. "We knew it was a bad crop, but we didn't know it was that bad."

In the weeks immediately following the tour, however, rain started coming. Some producers received as much moisture in a four-week period than they had received in the previous 12 to 18 months.

"The rain started to change the tune a little bit," Gilpin said. "Farmers started feeling a little better when it started replenishing some moisture. Some of that later-planted or later-maturing wheat benefitted from the rains and so the yield prospects from some of those areas started to improve."

The rains did help fill heads, making a better-than-expected crop for many. USDA NASS currently estimates average yields at 32 bushels per acre compared to 19.5 bushels per acre in 1966, a gain directly attributable to improvement in available wheat genetics, recommended farming practices and decades of on-farm knowledge. Test weights also started strong with heavy heads at 62 pounds per bushel.

"Kansas farmers are proud of the Kansas Wheat Innovation Center that they've invested in and the strides that we've made in the past decade to address the challenges that farmers are facing — whether it's through double-haploid production or identifying heat and drought tolerance," Gilpin said. "It's an important investment that farmers are making. It's harder to see dividends from those investments in

years like this, but I like to think that those strides have kept this from being a bigger disaster than it could have been."

There's no question that drought took a heavy toll with higher-than-average abandonment across the state. Rain also brought its own challenges, mainly in the form of increasing weed pressure and continual harvest delays. As a result, test weights dropped from their early highs as harvest progressed and more fields were abandoned, some due to weeds. All that means the final numbers for the 2023 Kansas wheat crop are likely to continue to drop. USDA-NASS will put out an updated estimate on the Kansas wheat crop in August, but the final count for the Kansas wheat crop will not come until the agency's Small Grains Annual Summary on September 30.

"Whether it's been the hailstorms or the weed pressure, with all the challenges we've had trying to get this crop out of the field for Kansas, it wouldn't surprise me to see that number come down a bit," Gilpin said.

The good news is that while the crop did not make the bushels, it did have high protein. Protein and yield are usually inversely proportional — so lower-yielding crops have higher protein and vice versa. The central corridor in Kansas reported proteins averaging 13 or 14 percent, while the western third of the state had more variability from 10 to 14 percent. That's good news for millers and bakers who utilize hard red winter (HRW) wheat for products like bread or tortillas that require that strength.

"The early comments we're hearing from industry is that the wheat is performing adequately, similar to last year," Gilpin said.

But while the combines are finally finishing rolling in Kansas, the value of that protein won't be fully defined until the

spring wheat harvest is complete in the northern Great Plains. Hard red spring wheat is generally a high-protein crop, so if the crop in those states is more successful than in Kansas, the market may not reward producers or elevators with premiums for protein. In fact, it's equally as likely some buyers will seek out lower-protein wheat to offset some of the higher-protein wheat.

In addition, producers farther east grew an almost record soft red winter (SRW) wheat crop in the Mississippi and Ohio river valleys. There is currently a \$1.50 to \$2.00 per bushel difference between HRW and SRW wheat — primarily because soft wheat doesn't have the bread-making capability of hard wheat. Despite the milling and baking differences, a large supply of SRW wheat is tempting when the HRW crop suf-

fers.

"Buyers are going to be able to buy what they want, but it's certainly going to be an interesting year," Gilpin said. "You are going to see some millers and bakers that are trying to offset some of the costs that they're seeing. That includes trying to blend in some soft wheat when the hard red winter wheat crop is going to be the smallest in years."

All these supplies factor into the overall stocks-to-use ratio, which is used to estimate how much wheat is available globally to meet the needs of consumers around the world. While overall wheat supplies are tighter than anyone in the supply chain would prefer, stocks-to-use ratios remain above the concerning levels from 2007/2008. Geopolitically, however, the enduring tensions between Russia and Ukraine will continue to have a direct im-

act on the availability of world wheat stocks as well as from where the world buyers can source those stocks.

"The Black Sea does create some uncertainties that do start to question some of that availability of the stocks-to-use ratio because of an availability issue out of that region," Gilpin said. "There's been a strategic intent of Russia attacking grain terminals and then explicitly saying that even without Ukrainian wheat exports, Russia can be that supplier and replace them."

"One out of every five vessels is going to be delivering food around the world from Russia. When they have that control, they are following it up with their intention of trying to leverage influence in friendly countries and governments. It's a very unnerving place that world trade is entering

• Cont. on page 6



Start a **NEW*** subscription to Grass & Grain, and we'll give you a discount AND pay the sales tax!

CALL 785-539-7558 and mention this special
OR Mail a check to P.O. Box 1009,
Manhattan, KS 66505

— Over \$6 in savings per year for the mail edition! —

MAIL EDITION

1 Year - \$39 • 2 Years - \$73 • 3 Years - \$99

Publishes weekly every Tuesday, 52 issues per year.
Free email edition optional, email required.

GRASS & GRAIN
makes a Great Gift!

Valid for NEW subscriptions only.
Must be received by August 31st, 2023.
*Special Introductory Rate Only - Renewals after initial purchase will be at regular cost.

30x60x12
\$22,590*

OPEN SIDED BUILDING



Visit our WEBSITE for MORE Details & MORE Specials!

QUALITYSTRUCTURES.COM



800-374-6988

Quality Structures
Richmond, Kansas

*Price Includes: Delivery and install on your level site.
Travel charges may apply. Price effective August 1, 2023 – August 31, 2023.



KANSAS AG REPORT







Ken Rahjes, Host

For TV Show times check your local listings or watch at

kansasagreport.net

Never miss an issue of

GRASS & GRAIN

Subscribe or renew today!

New Subscription _____

Renewal _____

Name: _____

Address: _____

City: _____ **State:** _____ **Zip:** _____

Phone: _____

Email: _____

Activate Online Edition? _____

Online Edition is FREE with purchase of Print Subscription; Email is required.

In-State Print Edition Rates:

1 Year; \$43 + additional sales tax _____

2 Years; \$80 + additional sales tax _____

3 Years; \$111 + additional sales tax _____

** SALES TAX DETERMINED BY COUNTY AND MUST BE INCLUDED TO RECEIVE FULL YEAR. CALL IF UNSURE.**

Out-Of-State Print Edition Rates:

1 Year; \$53 _____ **2 Years; \$99** _____ **3 Years; \$138** _____

Call for info about our 1st Class or Online Only rates

Check/Cash Enclosed: _____

or

Credit/Debit Card:

Visa, Master Card, Discover, American Express

- - - - -

Expiration Date: ____ / ____ / ____

V-Code (3 digits on back of card): ____

Signature: _____

Mail to: P.O. Box 1009, Manhattan, KS 66505

OR Stop by the office: 1531 Yuma St., Manhattan, KS 66502

1-877-537-3816

GRASS & GRAIN Our Daily Bread

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

Kellee George, Shawnee, Wins This Week's 'Our Daily Bread' Recipe Contest & Prize Winner Kellee George, Shawnee:
LEMONADE DROP COOKIES

- 1 cup butter
- 1 cup sugar
- 2 eggs
- 2 3/4 cups flour
- 3/4 teaspoon soda
- 1 small can frozen lemonade

Cream butter, sugar and eggs. Beat. Stir flour and soda together. Add alternately with 1/2 cup lemonade to butter mixture. Drop by tablespoon onto ungreased cookie sheet. Bake 10 minutes at 325 degrees. Brush warm cookies with some lemonade and sugar mixed together.

Millie Conger, Tecumseh:

MARINATED TOMATO SALAD

- 4 medium tomatoes, cut into chunks
- 2 medium cucumbers, peeled & cut into chunks
- 1 onion, diced
- 3 green peppers, cut into 1-inch pieces
- 3/4 cup vinegar
- 3/4 cup sugar
- 1/2 cup salad oil
- 1/4 cup water
- 1/2 teaspoon salt

Mix all ingredients together and chill.

Rose Edwards, Stillwater, Oklahoma:

PIZZA POTATOES

- 1 box scalloped potato mix
- 16-ounce can tomatoes
- 1 1/2 cups water
- 1/4 teaspoon oregano
- 4 ounces shredded Mozzarella cheese
- 4 ounces sliced pepperoni

Place potatoes and seasoning packet in greased 2-quart casserole. Heat water, tomatoes and oregano to boiling then mix in with potatoes. Arrange pepperoni on top and sprinkle with cheese. Bake uncovered in a 400-degree oven for 30 minutes.

Jackie Doud, Topeka: "These pickles are very crisp."

FRESH FROZEN CUCUMBERS

- 4 to 6 slicing cucumbers,

sliced

- 1 large onion, sliced
- 2 teaspoons canning salt
- 3 cups sugar
- 1 cup white vinegar
- Sprinkle 2 teaspoons canning salt over cucumbers and onions. Mix to coat with salt. Let stand one hour. Drain off liquid. Heat sugar and vinegar stirring until sugar is dissolved (do not heat any more than necessary to dissolve sugar). Add cucumbers and onion to mixture. Put into freezer-safe containers and place in freezer.

Kimberly Edwards, Stillwater, Oklahoma:

BBQ GREEN BEANS

- 3 can French-style green beans, drained
- 4 slices bacon, cut & browned with 1/4 cup chopped onion
- 1/4 cup brown sugar
- 1/2 cup ketchup
- 1 tablespoon Worcestershire sauce

Simmer bacon and onion for 2 minutes. Put green beans in casserole dish. Add bacon mixture then mix in remaining ingredients. Bake for 20 minutes at 350 degrees.

This recipe is being shared from the 14 Hands Ranch June Newsletter, Jada Sharp, Leonardville. Check out her website at: www.14handsranchks.com

Stromboli is one of our

family's favorite meals but I don't make it very often. We had it for pizza night last week so I thought it would be perfect to share here! I use the same recipe for the crust that I use for pizza so I am sharing that recipe again. However, you can use frozen bread dough if you want to.

This is a recipe that my family has made for years. It came from Mona Kramer, one of my former 4-H leaders, many years ago when I was a Lydie Jayhawk 4-H club member in Wichita County, Kansas. She passed away last December and I think of her often, especially when I make this.

Just like with all of my recipes, amounts are approximate. Do what works best for your family!

STROMBOLI

- 1 pound ground beef, browned & seasoned with onions
- 1 1/2 cups Cheddar cheese
- Sliced deli ham
- 1 1/2 cups mozzarella cheese
- Pepperoni
- Mustard

Enough dough for a top & bottom crust (my recipe is below)

Preheat oven to 400 degrees. Roll out one crust on a pizza pan. Parbake it for a few minutes then spread a couple of tablespoons of mustard on the crust. Then begin layering the following ingredients in order on the mustard: ground beef, Cheddar cheese, deli ham slices (evenly over the cheese), mozzarella, fol-

lowed by pepperoni. Top it all with your second pizza crust, sealing the edges by tucking the top crust under the bottom crust. Bake for 15-20 minutes or until the top is lightly browned.

EASY PIZZA CRUST

- Preheat oven to 400 degrees.
- 1 cup warm water
- 1 packet or 2 1/4 teaspoons yeast
- 1 teaspoon sugar
- 1 teaspoon salt
- 2 tablespoons olive oil

Combine these together in the mixing bowl and let the yeast proof for a few minutes. Then add:

- 2 cups of all-purpose flour

After that is mixed in, slowly add another 1/2 to 1 cup of flour just until the dough comes together and isn't sticky to the touch. Remove from the mixer and form into a smooth ball. Cover the bowl with a tea towel and let it rise for 10-15 minutes or until doubled. Prepare your pizza pan by pouring a light drizzle of oil on it and spreading it around, then sprinkle some cornmeal on it. Roll your dough out into the desired shape, form your crust, and using a fork poke holes around the middle to keep it from rising too much while baking. Bake crust for approximately 5 minutes or just until it isn't doughy anymore. Remove from the oven and add toppings of your choice then bake for another 10-15 minutes or until the crust is lightly brown.

Back-to-School Parenting: Reduce The Stress By Getting Organized

By Monica Thayer, Family Resource Management Agent, River Valley Extension District

If your family is anything like mine, you probably get a little off-schedule during the summer months. Lots of activities with a later sunset means later bedtimes and sleeping in. But August is here, which means school is about to start. Schedules, routines, and organization can help reduce the stress of returning to school.

Establish a bedtime routine with a set time for your children to be in bed. It can be helpful to write the routine down. For younger children, you can use pictures or a chart to help them learn the routine, such as changing clothes, brushing teeth, etc. Routines can help children learn responsibility and build self-esteem in their ability to do tasks independently.

Establish a morning routine as well. Getting out the door for school and work can be hectic. Consider using an alarm clock and having children wake themselves. Again, have a written or picture routine list for getting ready for the day.

To help with those routines, organize so everything has a place. Maybe it's a basket, cubby, or a hook in your house so your child knows where their school items, such as a backpack, lunch box, and shoes, go every day after school. This will help with the morning routine, so no one must take time to find needed items.

Most of the time, school also means homework so have a set location and time. Check in daily with your children to see what needs to be done. Make sure to have the supplies needed to complete any work sent home from school.

In addition to these tips, talk with your children. Share the routines and schedules but also take the time to seek input from them. Be present, turn off electronics, and ask your children about their day. Make time for conversations.

A little preparation and communication can be helpful in the weeks to come as families transition back to school. Enjoy these moments with your children as parents all know; the days sometimes pass slowly, but the years go fast.



It's A Trip

By Lou Ann Thomas

We all age. Everyone who is lucky enough to live a good, long life, ages and the process of aging can be a real trip. We travel from junior to senior status a day at a time, and changes to our bodies and minds happen slowly. Then one day we look in the mirror and realize that we've changed. Our bodies have changed. Our lives have changed.

Yet we feel much the same, albeit with more aches, pains and stiffness. I recently saw a meme of a "little old lady," obviously a peer of mine, kneeling in front of a box of albums with the caption, "Now, where did I put that Led Zeppelin album?" My friends all focused on a little old lady who was a fan of the English rock band, but my focus was on the fact she was kneeling!! I felt such admiration for her, but I also felt concern. Would she be able to get back up? My knees no longer allow me to kneel or stand back up. Some days my knees don't allow bending at all.

I now realize there were so many ways I could have taken better care of all my parts of my body vehicle on the road to here. I thumbed my nose at healthy living guidelines and took many ill-advised wrong turns and risks. But here I am, grateful to not have missed this part of my life journey.

There are joys in aging. For me, the key is acceptance. I can't change the natural progression of being born, growing up, and growing older, so accepting aging and looking for the gifts of being older

helps me surrender to the natural flow of living.

It's not always easy. There are those moments in middle age when you look at the back of your hand and don't recognize it because it looks exactly like your mother's. I'd take that resemblance to mother's hand these days, since mine now looks like my grandmother's. But that's as it's supposed to be. The act of living changes us. Over time our bodies show wear and often we no longer have the same acceleration or maneuverability we once had.

I'm trying to savor the simplicity of the slower pace at which my life now flows. Why do I need to hurry? I'm in no rush to get to the end of this trip. I'm fully present and content watching the early morning sun as it splashes across the verdant valley. And in the evening, I stop to watch the sun drop below the western horizon, grateful for one more day of this grand adventure.

Our bodies are meant to be used. They're not rental cars we're required to turn in at the end of our trip in pristine shape and with a full tank of gas. Our bodies are finely tuned machines that have taken us to and through many fun and interesting experiences. If there are a few dents and dings, may they be the result of good times, fun had, and warm memories of life well lived.

I may be driving a late model these days, but I'm counting on it taking me to the end of this adventure-filled trip.

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

Internet Safety For Kids: Awareness Is Key In Setting Guidelines

Are you fully aware of everything your kids are doing online? While it can be difficult to keep up with, it's important to be aware of and learn about any apps, games, and websites your child might be using. Most importantly, your child needs guidance in navigating the online world in a similar way to the guidance they require offline.

Make sure you establish clear guidelines with your kids on what types of sites and apps they are able to use. Create electronic free times and areas in your home. For example, you could choose not to have electronic devices at the dinner table.

Another important safety precaution is monitoring your child's online activity by checking their devices, phones, and private chats. This is a step that should be taken not to establish control but to protect your child. It can be helpful to have an open conversation about this in advance and ask for your child's input on if they would prefer to be present while you are monitoring their activity.

Some proactive ways to engage with your child proactively regarding internet safety are:

- Keep the lines of communication open with your child by talking with them regularly about safety.
- Get involved in the things your child is interested in on and offline. Try playing their favorite video game with them or watch their favorite type of video together.
- Teach your child ways to protect themselves and respect others online.

If your child is a victim of cyberbullying or online enticement, report it to your phone provider, law enforcement or www.CyberTipline.org.

For more information, visit www.missingkids.org/netsmartz or contact Michelle Broxterman, Family and Child Development Extension Agent, mbroxterman@ksu.edu, (620)724-8233.

Need Senior Insurance?

- ★ Medicare Supplement
- ★ Long Term Care
- ★ Final Expense

800-373-9559

PHILLIPS INSURANCE

Jim- The Answer Man!

BARN BUILDERS DT CONSTRUCTION

918-527-0117

Free Estimates! All Workers Insured Est. 1977

One Year Warranty

30x50x10 enclosed..... Galvalume \$12,300
12' slider, 1 walk door...Colored metal \$13,300
40x60x14 enclosed
2 12' sliding doors..... Galvalume \$20,300
1 walk door.....Colored metal \$21,700
40x100x16 enclosed
20' split sliding door..... Galvalume \$29,800
1 walk door.....Colored metal \$31,800

Price includes labor and material.*
*Due to material costs, prices are subject to change.

www.DTCBarns.com

Prize for AUGUST 2023 "Our Daily Bread" Recipe Contest Prize

Wildflower Oven Mitt & Potholder Set

Bring some of nature's beauty into your home with these Wildflower Kitchen Coordinates. The Oven Mitt & Potholder set features a coordinating floral print made of cotton. Machine care.

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 at: auctions@agress.com

Life doesn't stop for an injury.

AVOID SURGERY! Use Your Body's OWN Stem Cells.

- Knee arthritis
- Partially torn rotator cuff
- Degenerative disc disease
- Chronic Pain
- And more...

ARE YOU A GOOD CANDIDATE? CALL US TODAY! 785.320.4700

Schedule a FREE Consultation or Visit KansasRMC.com to learn more.

Kansas Regenerative MEDICINE CENTER
Manhattan • Kansas City

Andrew Pope, M.D. Steve Peloquin, M.D.

It's Quick & Easy to subscribe to Grass & Grain!

All it takes is a call!

Start or renew your subscription in just a few minutes by calling in with your debit or credit card information.

Don't miss another issue! Call today!

785-539-7558



By
Kelsey
Pagel

Enjoying the Rain

There is nothing better than a rainy summer morning. I think I love rainy summer mornings so much because of my childhood. My parents started their operation from the land up. They didn't care they had three girls, we were a part of the operation and expected to help. I remember how excited I was to start raking hay between my fifth and sixth grade years. Before that, we rode with Mom and Dad. We always did very well at the library summer reading programs for all the hours we spent reading going back and forth in the hayfield.

As on any farm, there is always work to do, but rainy summer mornings, signaled a bit of a break. It meant having a meal together, instead of sandwiches in the hay field. It may mean a trip to town for groceries and errands. It may mean a day on the lake with our boat. And occasionally a day trip somewhere for some family fun. I always loved them then and I love rainy mornings now.

My husband is the Energizer Bunny. He never stops. His list on the farm is never done. Rainy mornings don't slow him down any because there is always shop work to do. This summer there have been a lot of life events happen for us and just some general changes. I've kept track of the hours I've worked on the farm since we were married. I'm not saying this to brag or say "Look at me," but I've averaged a ten-hour work day, 365 days of the year for the past seven to eight years. And I don't work every day. We go on vacation. I occasionally am sick, other life things happen. I'm not kidding when I say, we are always working. For Matt, that work is what he wants to do. He loves it and it fills him up with all the good feelings.

That's not the case for me. I love parts of it, but it doesn't fill me up like it does him. When we got married, we both agreed that I would work on the farm with him. When we were newly married, I wanted to be with him, I wanted to please him, I wanted to show him how much I cared about him and his dream. And we look up and it's nearly ten years later (our anniversary is in October, but I'm rounding up and calling it ten already) and I'm struggling. Not because I don't love him or he loves me, but because I've forgotten how to embrace the things that I love.

I feel guilty taking time for house projects that don't "have" to be done. I feel guilty for shopping trips. I feel guilty and frankly, not sure I know how to really rest and relax without the to-do list in my head forcing me into action. While being with Matt's "never stop working" mentality definitely has a lot to do with my guilty feelings, he has never put this guilt on me. He has never criticized or got mad when I step away to do things on rainy mornings such as this. This is mostly

self-inflicted guilt.

My goal hasn't changed since our newlywed days. I want to be with my husband. I love him and want to be around him. And he's on the farm. So, I work the hours and do the things so I can be. I don't want to villainize Matt and say it's all his fault. It's not. But marriage isn't about one person. It's about two people, figuring out life together. And right now, we are figuring out how to make it work. I'm not ashamed, nor will I ever be, that I go to therapy when I need it. Just like with the farm, you go to the experts: agronomist, veterinarians, nutritionalists, etc. I believe in going to experts when I can't figure out how to get over the guilt. You can judge if need be, but you're not living my life. I am.

I don't want an unhappy marriage. I want to want to be with my husband. How many of us can say we truly want to be in the marriage we are? I feel like there are so many that are there because we said some vows years ago and you just stay together. The marriages I look up to aren't accidents. They have spent years figuring it out together. They have made intentional actions to build their marriage. I'm not saying, and they won't say, that they have perfect marriages, but they do want to be with their person and are willing to work to do it. That's what we want. And sometimes it's uncomfortable and there are growing pains. I know I'm married to a man that wants to figure it out with me and that's half the battle. The other half is putting into action the words that are easy to say, but hard to carry through on.

I write these because it's part of my therapy. I hate the social media perfection. I want to share my real story. And like my FFA advisor teaches every year to his students, life is a game. Sometimes we have to play games we don't really like to play. Right now, we're playing the game of "Kelsey needs to re-find the things that fill her up like the farm does for Matt." We don't really know the rules or how it goes or the ending of the game. But we keep playing. We keep fighting for a solution that both of us can be happy with.

I also don't believe we're the only ones going through this. So, I share my personal story, in real time, hoping somebody else can relate. I appreciate the messages I receive from you, it fills my "words of affirmation" love tank. Agriculture is such a hard life and can feel so isolating at times. Know that my inbox is always open to you. I don't have the answers, but I do have two functioning ears. And I will love on you where you are. Until next time grace and patience couldn't be more apt for me in this season of my life, I hope it helps you too.

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. Email her at kelseypagel13@gmail.com

4-H Food Champions Share Winning Recipes

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

This year marked the 75th Anniversary of the Jefferson County 4-H Fair. For many years, I have asked food champion winners to share their "winning" food recipes with me and this year was no exception. This year's fair featured a braided bread that was entered by Greysen Correll of Denison.

Greysen is the son of Jacob and Samantha Correll and is a member of the Fairview 4-H Club. This is his 6th year in 4-H and he is 12 years old. His bread was named Champion in Level 3 and later named Overall Grand Champion in Foods. His recipe is **Easy, Perfect Yeast Bread**. Now for his "winning" bread recipe:

1 cup lukewarm water
2/3 cup sugar
2 packages active dry yeast
6 cups all-purpose flour
½ cup cooking oil
1 cup boiling water
2 eggs
1 teaspoon salt

Mix together the following: lukewarm water, sugar and yeast; let set. In a large bowl, put 2 cups of flour. Make a well in the center and add cooking oil and boiling water. Stir until it makes a smooth ball. Let the dough stand about 10 minutes. Then add eggs and salt and mix well. Now add the yeast

mixture and mix. Add 4 cups flour, slowly stirring all the time. Knead dough and let rise until doubled in bulk. Make into dinner rolls, hamburger buns, cinnamon rolls or donuts. Let rise again until double in bulk and bake in a 350 degrees F oven about 30 minutes or until nicely done. Greysen chose to make into a braided loaf and baked it for 25-35 minutes.

Named as Overall Reserve Champion Food winner at this year's fair was a Lemon Blueberry Cake made by Creighton Lloyd from Topeka. He is the 16-year-old son of Tiffany Lloyd and is a 7-year member of the Prosperity 4-H Club of Valley Falls. His "winning" entry was named champion in Level 4 and later went on to be named Overall Reserve Champion Food product. His cake recipe includes the following:

Lemon Blueberry Cake

Cake ingredients:

3 cups cake flour
1 ½ cups granulated sugar
1 tablespoon cornstarch
2 teaspoons baking powder
½ teaspoon baking soda
½ teaspoon salt
½ cup unsalted butter, softened & cut into 8 pieces
½ cup canola oil
¾ cup buttermilk
2 tablespoons lemon zest
¼ cup freshly squeezed lemon juice

4 large eggs, room temperature
½ teaspoon vanilla extract
2 ½ cups blueberries

Cake steps:

1. Preheat oven to 350 degrees and line (3) 8-inch round cake pans by lightly greasing and flouring the sides and lining the bottoms with parchment paper. Set aside.

2. In a large bowl, whisk together flour, sugar, cornstarch, baking powder, baking soda and salt.

3. Using a mixer, add softened butter, 1 tablespoon at a time, adding the next one only after the first one is combined. The mixture will appear sandy in texture.

4. While mixing on low-speed, slowly drizzle in oil.

5. In a separate bowl, whisk together buttermilk, lemon zest, lemon juice, eggs and vanilla extract until combined.

6. With mixer on low-speed, slowly drizzle in the buttermilk mixture until the batter is smooth and completely combined.

7. Use a spatula to stir in blueberries.

8. Evenly divide batter into prepared cake pans and bake for 30 minutes or until the surface of the cake springs back to the touch and a toothpick inserted in the center comes out mostly clean with a few moist crumbs.

9. Allow cakes to cool in cake pans for 10-15

minutes before running a knife around the edge of the pan to loosen cakes and carefully inverting onto a cooking rack to cool completely before decorating.

10. Once cooled completely, decorate the cake using Lemon Buttercream frosting.

Lemon Buttercream Frosting

1 cup butter, softened
1 heaping tablespoon lemon zest

¼ cup freshly squeezed lemon juice
5 cups powdered sugar

Frosting Steps:

1. Add the butter, lemon juice and lemon zest to a mixing bowl.

2. Mix on medium speed until thoroughly combined (about 2 minutes).

3. Scrape the mixture down from the sides before the next step.

4. Sift the powdered sugar

5. Add powdered sugar to the mixture.

6. Mix on low until sugar and butter are incorporated (about 30 seconds). Stop the mixer and scrape down the sides. Increase the speed to medium-high and mix for another 30-45 seconds until frosting is light and fluffy.



Stretch Your Food Dollars

Have you ever been told that eating healthy is expensive? Although sometimes this can be true, the key to eating healthy inexpensively is knowing tips and tricks to get the best for less! There are many ways to save money on the foods that you eat.

The three keys to follow are planning before you shop, purchasing the items at the best price, and preparing meals that stretch your food dollars. Here are 7 tips to help you stretch your food dollars and get the most for your food budget:

1. **Plan:** What meals do you want to plan for dinner? Sit down and write out your list. Before you head to the store, take an inventory of everything you already have on hand to prevent purchasing things you already have at home. Include meals like stews, casseroles, or stir-fries, which "stretch" your meals further by bulking them up.

2. **Get the Best Price:** Look at your local grocery store's weekly sales and ads! Ask about loyalty cards or any coupons you might miss.

3. **Compare and Contrast:** Is the small bottle of ketchup really cheaper? Locate the "Unit Price" on the shelf directly below the product. Use it to compare different sizes of the same product to determine which is really the better deal.

4. **Buy in Bulk:** Buying foods in bulk is almost always cheaper. Smart choices are family packs of chicken, steak, or fish and larger bags of potatoes and frozen vegetables.

5. **Buy in Season:** Buying fruits and vegetables in season can lower the cost and add freshness! Check out your local farmers' market to find seasonal produce and help local vendors!

6. **Convenience Cost:**

Purchasing convenience foods costs more than doing the work yourself. If time is your main struggle with eating healthy, convenience cost might be worth it for you. However, just know that does come with a heavier price tag.

7. **Year-Round Saving:** Certain foods are typically low-cost options all year round. Try beans for a less expensive protein source. For vegetables, buy carrots, greens, or potatoes. As for fruits, apples and bananas are a good choice. Visit www.ChooseMyPlate.gov for more information on this topic. Katherine Pinto, EFNEP and SNAP-Ed agent, kdpinto@ksu.edu or 620-232-1930.

Building Solutions You Can Trust



Pre-Engineered Wood Frame Metal Buildings
Check us out online
or
Call us today for a FREE ESTIMATE!
Your Building. Your Dream. Your Way.

K-Construction Inc.

Alta Vista, KS
785-499-5296
www.kcon.build

NEW Cookbook Available Now

★ 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 almost 200 pages. This includes a few 'vintage' recipes that were republished for our 50th anniversary in 2015. The book also contains an advertising directory for the first time.

Don't miss out,
Order your copy of
Volume 8 today!

Call or stop by **GRASS & GRAIN**

to order yours:

785-539-7558
1531 Yuma St • Manhattan, KS

\$22/ea., + \$5 shipping to U.S.

A Complete Cattle Feeding & Marketing Service

TIFFANY CATTLE CO., INC.

Family Owned & Operated

Tiffany Cattle Company, with a total capacity of 32,000 head, is equipped to offer economies of scale and industry leading service to customers of any size.

Production Services

Objective is simply: Least Cost Per Pound of Gain!
Ration formulation and cost analysis, health program designed and maintained by veterinarian, special pens and attention to sick animals, feed financing and cattle purchasing available.

Marketing Services

Marketing finished cattle is top priority at Tiffany Cattle Company. You have the option of selling on the cash market, forward contracting or grid pricing through multiple Kansas packers.

★ www.tiffanycattle.com ★

Follow us on at Tiffany Cattle Company

Tiffany Cattle Company 1333 S. 2500 Road Herington, KS 67449 (785) 258-3721	Tiffany Cattle West 758 Pioneer Road Marquette, KS 67464 (785) 546-2216	Shawn Tiffany - COO (785) 229-2902 shawn@tiffanycattle.com Shane Tiffany - CEO (785) 466-6529 shane@tiffanycattle.com Dennis Roddy - CFO (620) 767-2139 dennis@tiffanycattle.com Tanner Stucky - Asst. Mgr. (620) 214-0979 tanner@tiffanycattle.com
--	--	--

A \$10 AD can sell a \$10,000 ITEM!

2004 WILSON STOCK trailer, 20', aluminum floor, rollup back door, well maintained. \$10,000.
785-539-XXXX

14-word classified ad, \$9.80 per week.
Discounts available on prepaid multi-week ads.

GRASS & GRAIN Classifieds

Effective. Inexpensive.

785-539-7558 • grassandgrain.com



The Trade

A few weeks after my future bride and I met she bought a little Jenny mule. I don't know what her infatuation with mules was but I did soon learn her motive, and to be honest, I really didn't mind. You see, I was soon to be drafted into helping her break this mule to ride.

Her best friend had one and Denise enjoyed messing with it and rode her in the Olsburg Centennial parade that summer of 1980. We hadn't met yet, but I did notice that gal riding a goofy little mule they called "Nightmare" with her pioneer lady dress hiked up over her knees wearing a bonnet that looked like some-

thing Carol Burnett wore in her "Cleaning Lady" skits. Her saddle pard, Deb, was toting a double-barrel shotgun so I didn't laugh too loud. I had sold my horse and saddle a couple years before and was in my "hiatus" from the cowboy trade, so I enjoyed watching the parade instead of participating as I had as a Pony Express rider back in '76 for the big Bicentennial parade.

That summer was also the year of the "Olsburg Tornado" that tore up the town only two weeks before the scheduled celebration. Being in the logging and sawmill business at the time, we all employed our skills with site portal replaces GrainBridge which will be no longer available after Friday, August 25. Bushel has worked with ADM over the past year to transition the key GrainBridge technology features into a new app and desktop experience, bringing along with it Bushel's intuitive interface.

"ADM FarmView is a premium experience to serve our customers at the highest level possible. We are always looking for ways to improve the digital experience for our producers and provide them with the information they need in a fast, efficient way," said Doug Roose, vice president of producer market-

a saw for days helping clean up the town. It was reminiscent of the "Tree Bees" the town had annually for several years in the early to mid '70's after "Dutch Elm Disease" had ravaged the town's trees. I still have a photograph from one of those, clipped from the newspaper, of my Grandma Bessie Webster holding her leaf-rake with a bandana wrapped around her head as she helped clean up the streets and yards back then.

Even more so than the tree bees, after the tornado everyone pitched in. We were out working the cleanup within a few minutes of the storm. The farmers brought their big trucks in to haul brush and debris from the damaged buildings. There was momentary talk of canceling, or postponing the event but it was truly amazing to see how quickly that little town got itself spruced up for the big doin's and people who came from all over were amazed to see it.

But, back to my mule

story.

So, my girlfriend bought this mule knowing I would help her train it. We spent every evening after work and weekends going over to Randolph where the horse "Trader" lived that she had bought this mule from and had agreed to keep it for her until she was broke. Like I said, I really didn't mind because it was sure an inexpensive dating program, and this gal was pretty adventurous, enjoying outdoor activities. Besides training this mule, we did a lot of fishing, and hunting together, as well.

"Trader" (I can't remember his name) lived just north of Randolph and owned a big Appaloosa stallion that was probably the finest Appaloosa I've ever seen, let alone ridden. After we got that mule used to a saddle and had a few rides on her in a small pen, we ponied that Jenny up to the Appy, ridden by Denise. He was definitely a fine animal and well-trained with a

perfect disposition for this job.

I rode the mule for several days and then we traded. After several rides we traded back and I rode the mule with the ring snaffle bit we'd been working her in the pen, and then Denise took over. Mule was broke to ride, and I have to admit, she was pretty well-minded.

Later that fall, Centennial Farms was holding a big draft animal sale at the old fairgrounds in Topeka, now occupied by the ExpoCentre. Denise decided she was going to sell the mule. That was the biggest horse sale I have ever attended, and I got waylaid by the biggest Belgian mare I've ever seen, as well. I was trying to get through the "on deck" line of horses going into the ring to see where we were on the schedule, and this mare kicked me into the next week. Well, at least about 15 feet from where I was. Next thing I knew, a couple old fellows were picking me up

off the ground, surprised I could even walk. I wore a crescent shaped bruise on my left thigh for a couple weeks after that.

There was an Amish fellow cracking a buggy whip occasionally to keep the stock moving through if they balked. Denise was lining up to lead her mule into the ring when I overheard her tell that fella if he cracked that whip at her mule she was going to wrap that whip around his neck. I believed her. So did he.

As it turned out that sale was about a month after I had proposed marriage to this pioneer woman. I asked her what she was going to do with the money she got for that mule. She replied, "Buy your wedding ring."

That's when I realized she was just trading one jackass for another.

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

ADM FarmView™ provides a new digital experience for producers powered by Bushel®

Bushel, an independently owned software company and leading provider of software technology for the agricultural supply chain, announces a new mobile app and website portal available to all producers selling grain to ADM (NYSE: ADM). The new digital platform gives farmers easy access to near real-time information to increase efficiency in their operations, including scale tickets, contracts, settlements, and cash bids. Commodity balances that will allow better visibility of open storage, delayed price contracts, delivered unpaid balances and more will be coming soon.

This new app and web-

site portal replaces GrainBridge which will be no longer available after Friday, August 25. Bushel has worked with ADM over the past year to transition the key GrainBridge technology features into a new app and desktop experience, bringing along with it Bushel's intuitive interface.

"ADM FarmView is a premium experience to serve our customers at the highest level possible. We are always looking for ways to improve the digital experience for our producers and provide them with the information they need in a fast, efficient way," said Doug Roose, vice president of producer market-

ing at ADM. "Innovation is foundational to ADM's growth strategy, and to our relationship with our producer customers. Joining the Bushel network is another important step in our digital evolution to deliver relevant, valuable, and secure information to producer customers across the U.S. and Canada."

The Bushel platform has become a central hub for information and transactions powering more than 2,600 grain facilities and managing nearly 45% of grain origination in the United States and Canada, totaling almost 10 billion bushels. As more agribusinesses and producers join the Bushel Network, the network effect continuously strengthens, fostering

increased collaboration and efficiency at all points in the supply chain.

Bushel continues to maintain the standard of secure, permission-based control in data sharing. Both growers and grain-buying facilities maintain control over when and how their data is shared throughout the supply chain. The partners and commercial customers ADM serves will allow their producer customers to access private information through directly integrated software making it easy and secure while eliminating the need for manual data entry.

"When large grain originators such as ADM are added, the network effect increases. The digital in-

frastructure becomes more robust and provides further opportunities to improve efficiencies for both agribusinesses and farmers," said Jake Joransson, CEO of Bushel. "We're proud to welcome ADM to the Bushel Network and help serve their producers with a best-in-class digital experience where they can access

their information easily and securely from both mobile and desktop."

The ADM FarmView mobile app is compatible with both Android and iPhone devices. Search for ADM FarmView in the App Store™ or Google Play®. Visit ADMFarmView.com to access the desktop web portal.

Kansas Wheat CEO breaks down how the wheat world turns on podcast

• Cont. from page 3

right now."

All these influences on the price of wheat bear watching as producers shift their focus from a frustrating and challenging 2023 wheat harvest to putting the 2024 crop into the ground. Gilpin said Kansas Wheat is continuing to look even further down the road to forecast what the world of wheat will look like and how to position Kansas wheat farmers in that economic landscape.

"We're going to need prices to stay favorable and we're going to need Mother Nature to cooperate," Gilpin said. "And we must start thinking lon-

ger-term, not just where we're going to be a year from now. What do we have to be doing to put in place all the things across the whole value chain in the wheat industry to make sure that we're protecting our national interest in having a productive and successful wheat crop from farmer to baker to consumer."

Learn more about Gilpin's perspectives on this year's harvest, supply-and-demand factors across wheat classes, end-use quality, international market influences and more in the latest episode of the "Wheat's On Your Mind" podcast at wheatsonyourmind.com.

Fabric Buildings
Up to 25 Year Warranty • Hot Dip Galvanized • Commercial Agricultural • Industrial

CONTRACTORS LLC
GREENFIELD
Lynn Strahm • Sabetha, KS • (785) 285-2991
www.greenfield-contractors.com

LAND AUCTION
320 ACRES NORTH OF MOUNT HOPE, KS
THURSDAY, AUGUST 24, 2023 - 2:00 PM
AUCTION LOCATION: AMERICA AGCREDIT,
4105 N. RIDGE RD, WICHITA, KANSAS
THE J CARSON ROCKHILL FAMILY TRUST, SELLER

TRACT 1: 160± Acres Flood Irrigated Tillable Farm Ground
TRACT 2: 80± Acres Flood Irrigated Tillable Farm Ground
TRACT 3: 80± Acres Dryland Tillable Farm Ground

SUNDGREN REALTY
Land Brokers
JEREMY SUNDGREN 316.377.0013
JOE SUNDGREN 316.321.7112

Visit www.sundgren.com for More Details
LIVE & ONLINE BIDDING AVAILABLE

RETIREMENT AUCTION Reminder
THURSDAY, AUGUST 17, 2023 - 5:30 PM
2110 Harper, Dg. Fairgrounds, LAWRENCE, KS
Bldg. 21 - Climate Controlled! * Steve is Retiring!
TRUCKS (2014 Dodge Ram 1500, 2013 Dodge Ram 1500),
EQUIPMENT, Ridgid Model 300-T2 Pipe Threading Machine,
Bosch RH540S Spline Combination Rotary Hammer Drill
TOOLS (inc. Milwaukee corded & cordless), SUPPLIES & MORE!
See Last Week's Grass & Grain for Listings & Please visit us
online: www.KansasAuctions.net/elston for Pictures!
Name Brand Items & Supplies! Everything Must GO!
Very Large Auction! CONCESSIONS: Worden Church Ladies
SELLER: STEVE REGNIER "Regnier Plumbing, LLC"
ELSTON AUCTIONS * (785-594-0505) (785-218-7851)
"Serving Your Auction Needs Since 1994"

COPIES OF **GRASS & GRAIN**
Now In **TOPEKA** and **CLAY CENTER**

Brickhouse Antiques; - TOPEKA, KS
- 3711 SW Burlingame Rd. (just off 1-470) -

The Feed Shed!
Clay Center, KS
- 318 Lincoln Ave. -

The Store;
Leonardville, KS
- 104 E Barton Rd. -

Dara's Fast Lane;
Manhattan, KS
- 5321 Tuttle Creek Blvd. -
- 8811 US-24 -
- 1132 Pillsbury Dr. -

Copies are also available at these businesses:

Bluestem Farm & Ranch; 2611 W. HWY 50 - Emporia, KS
Pioneer Farm & Ranch; 427 NE 14th - Abilene, KS

Or stop by the Grass & Grain offices:
- 1531 Yuma St., Manhattan, KS -
Office Hours: Mon.-Fri., 8:30 am-4 pm

SANTEE STEEL

Serving Clay, Cloud, Dickinson, Geary, Marshall, Morris, Ottawa, Pottawatomie, Republic, Riley, Saline, Wabaunsee, & Washington counties

LOCAL BOYS - A FULL 3 YEAR WARRANTY. WE ARE NOT FROM OUT OF STATE.

DON'T WAIT TILL FALL TO ORDER YOUR BUILDING - WE MAY GET BOOKED UP

WE SERVICE OUR WARRANTIES, IF THERE IS A PROBLEM. LIST OF REFERENCES TO PROVE IT.

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

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

GIVE CARL A CALL TODAY: 785-370-3189



As I travel Around Kansas, I meet lots of people and it makes my day when they tell me they enjoy my column in Grass and Grain.

Yep, I say, those folks do a great job! I'm proud to be a part of it!

I am enjoying a few rare days at home and have turned my attentions from film-making to writing. (You can tell I'm home because I'm meeting friends at Mittens/Western Kansas Wildlife Travel Center every day!!) I have a deadline looming for my manuscript for the biography of Vice President Charles Curtis. I've been researching for nearly 30 years so it's high time I did something real with all that information. While I have taught classes, given lectures, and even done some short films, the time has come to buckle down for the real work. And, while I have been researching him extensively, there are always moments that are missed. Many of my friends have shared little tidbits they have found - a letter owned by a grandparent, a campaign button, a photo or newspaper clipping. I would welcome anecdotes from those of you who might have a story about Curtis visiting your town or writing a letter to your family - anything that might flesh out his story.

While in Cawker City working on Sod and Stubble recently, the intrepid historian and musician Steve Richardson gave R. W. Hampton (one of the stars of our film) and myself a tour of the town. Joining us was Linda Clo-

ver, who takes care of the World's Largest Ball of Twine, Cawker City's most famous landmark.

In the beautifully restored building that houses their Hesperian Society, I thumbed through the notebook containing the story of Claire Windsor, local girl who became a silent film star. Born Clara Cronk in Marvin, Kansas, she grew up in Cawker City and later attended Washburn in Topeka. This is apparently where she became acquainted with the Curtis Family and Steve found news stories about her visiting the vice president in Washington. She was lobbying against income taxes (Lord, where is this woman now?). Steve also found a story of her co-hosting a birthday party for Charley's son, Harry.

These tidbits will add color and context to the story and I am very grateful to Steve for all he does to discover and preserve the history of Cawker City.

An accomplished musician, Steve also performed on the pipe organ in the Methodist Church, an organ that was moved from Kinsley decades ago.

Music, history, exploration, good friends. It doesn't get any better than that.

Deb Goodrich is a producer on Sod and Stubble and the host of Around Kansas. She is the Garvey Texas Foundation Historian in Residence at the Fort Wallace Museum and chairs the Santa Fe Trail 200. Contact her at author.debgoodrich@gmail.com.

Space weather could impact work on U.S. farms

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

If you think the odds of being negatively affected by an event that happens every 11 years are long, just think about one that happens every 100 to 200 years.

For farmers using GPS technology - and there are a lot of them - those probabilities are becoming a lot more likely, according to officials at Kansas State University and the University of Minnesota.

K-State precision agriculture economist Terry Griffin notes that Earth may soon feel the effects of a solar maximum, or that period in the sun's 11-year solar cycle in which humans can observe the highest number of sunspots, which are generally associated with more solar flares and an increase in geomagnetic storm activity.

During sunspot maximums, the Earth is likely to experience an increase in the Northern and Southern Lights, and disruptions to radio transmissions, power grids, and numerous GPS-backed technologies.

"If we think back about 11 years, well, we did have GPS, but we did not rely on it as much as we do today," Griffin said.

In a Feb. 2023 report, the U.S. Department of Agriculture's Economic Research Service reported that a majority of row crop acreage in the United States was managed using auto-steer and guidance systems - as much as 72.9% compared to 5.3% in 2001.

The report - of which

Griffin was a co-author - also indicates that GPS applications are used on 40% of all U.S. farm and ranchland acreage. The precision agriculture market is projected to reach \$23,056 million by 2030, according to a report from Allied Market Research.

Griffin said an increase in geomagnetic activity heightens the chance for an ionospheric scintillation, which can prevent a GPS receiver from locking on to a signal and make it impossible to calculate a position.

"When these events occur," he said, "it can be quite annoying more so than catastrophic for those areas, which may be as small as a county or a few counties, and it could last just moments or a few hours."

"But when it's a GPS signal you're relying on, and it's not getting a location fix in the middle of planting or spraying or even harvesting, it can be quite frustrating."

Kathy Draeger, the statewide director of the Regional Sustainable Development Partnerships at University of Minnesota Extension, said planet Earth is also due for what is known as a Carrington Event, an intense geomagnetic storm thought to occur every 100 to 200 years.

The last Carrington Event on record happened Sept. 1-2, 1859, creating strong auroral displays (natural light displays that shimmer in the sky) that caused sparks and even fires in multiple telegraph stations.

But, Draeger notes,

"Unless you were a telegraph operator in 1859, you may not have even known there was a solar flare."

Nearly 164 years since the last Carrington Event, the impact could be a lot more intense the next time around.

"We've increased our reliance on technology for everything," Draeger said. "We know that farmers are dependent on technology more and more, and at the same time, we have a growing awareness that there may be vulnerabilities to our dependence on some of that technology."

Griffin and Draeger currently are co-authors on a report that will soon be available through the Extension Disaster and Education Network to discuss the potential impact of space weather on agriculture.

"You know, I think about it this way: What if the technology that we've grown accustomed to goes away?" Griffin said. "It's going to be annoying, frustrating, (though) maybe not catastrophic if we have to take a day off and make up planting sometime in late May instead of mid-April."

"But there will be yield penalties for doing so. And if every farm operation in Kansas has to do that, well, that's a bunch of bushels that are no longer available for marketing. There will be implications... not only for farm operations, but it can also affect grain elevators, traders and others. It's going to have a ripple effect on America's agricultural industry."

Draeger said she and Griffin are hoping to "de-

fine the problem...and the potential impacts it will have."

"One of the things I'm interested in is... the economic impacts, as well as the supply chains for food and agricultural products. I'm interested in how we keep the system resilient, as well. What do we need to do to make sure the electrical grid is prepared to handle different levels of solar storms?"

Draeger added that numerous groups already are involved with making electrical grids more resilient in the face of solar storms. "Their efforts will go a long way in helping farmers to keep producing their food," she said. "I've brought this up in meetings with government agencies, and we're all trying to make sure that we've got a system that allows the food supply to continue to work as efficiently as it currently does."

Griffin recently spoke on USDA radio about trends regarding producer's adoption of precision agriculture methods and use of digital tools.

Griffin can also be contacted by email, twgriffin@ksu.edu, or on Twitter, @SpacePlowboy.

Place your Classified Ad ONLINE today at:

855-539-7558

GRASS & GRAIN

grassandgrain.com

GRASS & GRAIN

is on **facebook**

topline STEEL BUILDINGS

(800) 369-3882
www.toplinebuildings.com
sales@toplinebuildings.com

STEEL BUILDING INVENTORY SALE

I-Beam Construction
Easy Bolt-Up Design

40x65 • 60x90 • 100x150 • Many Others Available

LAND AUCTION

SATURDAY, AUGUST 26, 2023 — 10:00 AM
FNB Community Room, 101 C St. — WASHINGTON, KS

480± ACRES WASHINGTON COUNTY, KS LAND

TRACT 1: This short quarter is all native grass. 2 water sources.
TRACT 2: 80 ac.± has 51.8 ac. in crop production, approx. 10 ac. hay meadows, balance being excellent wildlife habitat.
TRACT 3: Native grass pasture has large pond w/fences above average and excellent quality grass!
TRACT 4: 80 acre tract with hay meadow and wildlife habitat.
Please ask the agent before getting on the property:
Broker Mark Uhlik, 785-747-8568.

ONLINE & PHONE Bidding Available - Register NOW!
Download our Midwest Land & Home APP or go to our website & get registered to **BID ONLINE Today!**
For Complete Details visit:
www.MidwestLandandHome.com
Stay up to date on auctions & listings
LIKE us on Facebook: Midwest Land & Home.

MIDWEST LAND & HOME

SELLER: RITA IMLAY
SELLER: CONNIE HECOX

Mark Uhlik - Broker/Auctioneer: (O) 855.803.5263 (C) 785.747.8568
Jeff Dankenbring, Broker
www.MidwestLandandHome.com

BROTTON ESTATE AUCTION
SATURDAY, AUGUST 26, 2023 - 9:30 AM
1840 W. Pleasant Hill Road, SALINA, KANSAS 67401

* 2019 John Deere Mower - Model Z970R (less than 45 hours)
* 2015 Forest River Salem Towable Camper; Model T27RKSS
* 2014 John Deere Gator - HP Gator OPS (214 miles)
* 2011 H&H Enclosed Trailer - Roundtop Cargo 22x8.5
* 1989 GMC 2500; 141,602 miles; rebuilt engine; snow plow
Please Note: All titled items and mower will need to be paid with certified check or cash.

****ITEMS TO BE AUCTIONED:** Farm & Tool Items; Metal Lockers; Bolt Bins; Wrenches; Vise; Comealongs; Extension Cords; Air Compressor; Grinders; Anvil; Drill Press; Buckets of Oil; Metal Shelving; Shovels; Jacks; Log Chains; Tool Boxes; Propane Tanks; Scrap Iron; Construction Flags & Vests; Snap-On Creeper; Gas & Diesel Tanks; Metal Barrels; Stihl Chainsaw; Stihl Leaf Blower; Stihl Weed Eater; Household; Refrigerators; Stove; Recliners; TV Stand; Futon; Silverware; End Tables; Office Chairs; Glassware; Bedroom Sets; Desk; Desk Chair; Pictures; Small Kitchen Appliances; Rocking Chairs; Small Wood Furniture; Quilt Rack; Handicap Items; Nice Lift Chair; Handicap Scooter; Scooter Carrier for Vehicle Hitch.

**** VINTAGE Items include the following:** Western Decorations; Wooden Bench; Records, Books, Toys; Plates; Thermos; Toy Cars; Scales; Wagonwheel Table; Horse Hame Mirror; Belt Buckles; Toy Kitchenette; Jewelry; Galvanized Items; Egg Basket; Pulleys; Wood Ladder; Tools; Ice Tongs; Saws; Lanterns; Torches; B.B. Guns; Pepsi-Cooler; Barrel Pump; Barn Wood; Cast Iron; Milk Cans; Crocks; Wooden Stools; Stetson Hats; Glassware & SO MUCH MORE!

Go to KansasAuctions.net for lots of pictures, listing & terms!

LAZY J AUCTIONS
Auctioneer, Loren Meyer, 785-212-1903
LIKE us on Facebook at Lazy J Auctions

Superior genetics ... locally grown™

AgriPro®

E&H FARMS, INC.

Weskan, KS

785-943-5406

AP Bigfoot

KAUFFMAN SEEDS
Hutchinson, KS
620-662-2795 • 800-634-2836
AP Bigfoot, Bob Dole,
AP EverRock, AP Prolific,
SY Monument,
SY Rugged, SY Wolverine

MILLER SEED FARMS
Partridge, KS
800-567-3125
AP Bigfoot, AP Prolific,
SY Wolverine, AP EverRock,
Bob Dole

DON NEUFELDT
Inman & Moundridge, KS
620-747-0404
SY Wolverine, SY Monument,
Prolific, AP Bigfoot, AP EverRock,
Doublestop CL², Atomic

PHILLIPS SEED
Assaria • Hope • Tescott
KANSAS • 785-949-2204
AP18AX, AP Bigfoot, Bob Dole,
SY Monument, AP Prolific,
SY Wolverine

POLANSKY SEED
Belleville, KS • **785-527-2271**
AP Bigfoot, AP18AX,
SY Wolverine, SY Monument,
AP Road Runner,
AP EverRock, Wolf

CALL US FOR ALL YOUR SEED NEEDS!

Cover Crop Decision Tool provides choices for grazing

Row crop farmers have a Cover Crop Decision Tool to help them decide which cover crop will work best on their farms for potential fall/winter grazing.

The free online tool simplifies decision-making and reduce risks for those wanting to plant cover crops, says University of Missouri Extension specialist Charles Ellis.

The Cover Crop Decision Tool is an initiative of the Midwest Cover Crops Council. Ellis serves on the council's board of directors.

Find the tool at www.midwestcovercrops.org/covercroptool.

"Cover crops are a useful conservation practice for improving soil health, scavenging and recycling nutrients, reducing erosion and contributing to more resilient cropping systems over the long term while potentially providing fall/winter grazing," says Ellis.

The tool's pull-down menu lets row crop farmers and crop advisers consider their goals in planting cover crops. They then input specific information, including crop rotation, soil type and drainage. The tool then lists cover crops and seeding periods for reliable establishment. It also notes if the crop is suitable for frost seeding.

The Midwest Cover Crops Council developed

the tool to consolidate cover crop information by state and county. University researchers, Extension educators, Natural Resources Conservation Service personnel, agriculture department personnel, crop advisers, seed suppliers and farmers from numerous states and Canada contributed to the project.

The council's website gives simple "recipes" for first-time cover crop adopters. These recipes provide simple, low-risk strategies to integrate cover crops into a corn-soybean rotation. The recipes include details on the specific crops, seeding rates and dates and termination guidance.

Producers learn about regenerative ag at Scoular event

Topics ranging from soil health to cover crop systems and incentive programs were highlighted during a regenerative agriculture conference hosted by Scoular recently.

Over 40 producers attended the event, called "More than Dirt," offered in collaboration with the University of Missouri Center for Regenerative Agriculture and the Natural Resources Conservation Service (NRCS). The conference is part of Scoular's Producer Strategy effort, which aims to help growers capitalize on opportunities and navigate challenges as the ag industry evolves.

Highlights included:

- An NRCS rainfall simulator that showed how water soaks better into no-till soil with cover crops versus tilled soil without cover crops.

- Presentation on cover crops systems, and incentive programs for planting them.
- A panel of producers discussing how they use regenerative ag practices.

"Scoular has long worked to help producers benefit from new opportunities to run their operations most effectively," said Brian Ellis, a member of Scoular's Producer Strategy team. "Our conference was another example of our company sharing expertise and knowledge with producers to help them make good decisions and thrive."

Regenerative agriculture is a system of practices that can increase the carbon sequestered by soil, which results in both healthier soil and lower greenhouse gas emissions. Regenerative practices can include minimizing tillage, planting cover crops, increasing crop

diversity, and incorporating livestock. Ellis said that while there are benefits to regenerative agriculture, challenges remain, such as the cost of buying seed for cover crops.

Macauley Kincaid, who farms in Jasper, Missouri, and participated in the conference's producer panel, began using regenerative ag practices over five years ago. He said his land is 100 percent cover cropped and no-till, steps that have reduced rain runoff and erosion. Kincaid said that while there is growing awareness among producers about regenerative ag, more information is needed.

"It has been a farmer-led movement," said Kincaid. "And it's great to have companies like Scoular helping share information and resources with producers."

4 PROPERTIES FOR SALE

120+/- Acres Pottawatomie County, KS Land
Asking Price: \$797,000

Legal Description: S½ of NE¼ & E½ of N½ of SE¼ – Sec 30, Township 7-S, Range 8-E, Pottawatomie County KS
* 110 acres of native grass pasture. Active stream and pond. Wildlife habitat.
* Beautiful 10-acre tract with modern 1600 sq. ft. 5BR, 3BA ranch-style home built in 1992 with two outbuildings.
Directions: 3 miles East of Olsburg, KS to Galilee Road, then ¾ mile South on the West side of the road
Listing Agent: Toby M Bruna, 785.713.9325
or toby@midwestlandandhome.com

80+/- Acres Clay County, KS Land
Asking Price: \$345,000

Legal Description: S20, T10, R03E, ACRES 80, E2 SW4 LESS ROW Just off Hwy 15, good gravel road, equally split between cropland, grass hay. Near Milford Lake. Electricity, rural water and high-speed internet. Ideal spot to build your dream home.
Property Location: From the intersection of Hwy 24 & Hwy 15 in Clay Center travel South for 15 miles to 3rd Road, turn East on 3rd Road for 1/4 mile, this is the Southwest corner of the property.
Listing Agent: Barrett Long, 785.447.0329
or Barrett@MidwestLandandHome.com

118+/- Acres Republic County, KS Land
Asking Price: \$605,000

Legal Description: S20, T01, R02W, ACRES 60.3, W3/4 N1/2 SW1/4 AND S20, T01, R02W, ACRES 58.1, W3/4 S1/2 NW1/4 Approximately 64 ac. high quality cropland, the balance being mature trees, creek and meadow. Rural water and electricity available. Excellent Hunting Income.
Property Location: From the intersection of Hwy 81 & Hwy 36 in Belleville, travel 9 miles North on 81 to Elm Rd, turn East for 2 miles then turn North on 200th Rd. for 1/2 mile. Property sits on the east side of 200th Rd.
Listing Broker: Mark Uhlik, 785.325.2740
or Mark@MidwestLandandHome.com

196+/- Acres McPherson County, KS Land
Asking Price: \$800,000

Legal Description: NE4 & NE4 SE4 24-17-1 McPherson Co, KS **Whitetail Hotspot with Income.** 50+/- acres of cropland and 146+/- acres of pastureland and timber. Good fences, spring fed pond.
Property Location: Just 30 minutes northeast of McPherson, 30 minutes southeast of Salina, 20 minutes East of Lindsborg, and 1 hour Northeast of Wichita.
Listing Agent: Spencer Crowther, 785.212.0520
or Spencer@MidwestLandandHome.com

See More Details on all of these Properties at
www.MidwestLandandHome.com



Soybean insects and defoliation

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

From now through season's end, soybean insect pests will be commonplace. Some are just passing through. Some are feeding on pods. The ones we first often notice, however, are the foliar feeders – the ones that make the tops of the plants and edges of the field look rough.

Soybeans have a great ability to compensate for lost leaf area from insect feeding. Holes chewed in the upper canopy? You may just be allowing light

to penetrate deeper into that canopy allowing inner leaves to increase photosynthetic rate – to help compensate for lost leaf material. It's not to say that we can always lose foliage and everything be just fine. Thin canopies can't tolerate as much feeding as denser ones; defoliation during reproduction is less tolerated than during vegetative growth; and good growing conditions allow for greater compensation levels than when plants are stressed – but the plant's ability for recovery is still great. Nebraska research has shown defoliation losses can reach

almost 20 percent before treatment is warranted.

While 20 percent doesn't seem like much, defoliation levels are almost always overestimated. Damage doesn't occur evenly in the canopy, so make defoliation observations throughout the canopy to get an accurate idea as to how the entire plant is affected. Want to know what 20 percent looks like? Check out the 2023 KSU Soybean Insect Management Guide (page 2 online at <https://bookstore.ksre.ksu.edu/pubs/mf743.pdf> or available upon request from District Offices). If scouting, the Universi-

ty of Nebraska has some excellent scouting tips at: <https://cropwatch.unl.edu/2016/decision-making-soybean-defoliating-insects>.

It can take pretty high numbers of foliage feeders to reach the 20 percent leaf loss level where treatment might be needed, but pod feeding insects are a completely different story. Bean leaf beetles and stink bugs are already present in some fields. The damage they do, in addition to others like soybean podworm (corn earworm), can add up quickly. Scout for them now as well.

American Royal announces 2023 Royal Scholars

The American Royal Association is pleased to announce its 2023 Royal Scholar recipients. In total, the American Royal is awarding ten \$2,500 scholarships to qualified college students. Recipients will take part in the American Royal scholarship program, designed to provide an opportunity for outstanding college students to represent the American Royal mission. In recognition of the outstanding achievements of the scholars, each will receive scholarship monies and additional exposure opportunities to be on site with the American Royal in the fall and

spring semester. Scholarship recipients must be pursuing agriculture, food, or natural resources degrees as an undergraduate student. They must have a cumulative grade point average equivalent to or above a 3.0 on a 4.0 scale. Scholarship recipients had to complete an application and an interview with the scholarship committee. Winners were selected on their academic achievement, leadership excellence and community involvement. The 2023 Royal Scholar program recipients are: Ryan Bake, Jaedyn Condon, Gabriel Elliott, Kady Figge, Lauren Gatz, Lindsey Jennett, Hannah Lanphere, Justin Sharp, Mattie Thrasher, and Baylee Wulfkuhle. "We had an incredible and large applicant pool with students from 37 states competing for one of our scholarships," said Jackie McClaskey, American Royal president and CEO.

"We are proud to recognize these outstanding students and look forward to seeing them represent our mission at our events."

Ryan Bake is a student at Utah State University majoring in agribusiness and applied economics and minoring in law and policy. His hometown is Eagle Mountain, Utah. Jaedyn Condon is majoring in animal science with a minor in biology at Iowa State University. Her hometown is Fort Dodge, Iowa. Gabriel Elliott attends Kansas State University, where he is studying animal science and industry and minoring in horticulture and business. He is from Asbury, Missouri. Kady Figge is a student at Kansas State University, majoring in agricultural communications and journalism and global food systems leadership, and minoring in animal sciences and industry and agricultural sales. She is from Onaga. Lauren Gatz

is an agriculture communications and journalism student at Kansas State University, minoring in leadership studies. Her hometown is Fairview. Lindsey Jennett is studying animal science, pre-veterinary option at Iowa State University. Lindsey is from Blockton, Iowa. Hannah Lanphere is an animal science, pre-veterinary student at Iowa State University. She is from Manly, Iowa. Justin Sharp is a student at Oklahoma State University studying agriculture education. He is from Silver Lake, Oregon. Mattie Thrasher is an agribusiness and applied economics major at Louisiana State University. She is from Worthington, Indiana. Baylee Wulfkuhle is a student at Kansas State University, studying agriculture economics and global food systems leadership, minoring in business. She is from Lawrence.

"Frequently when customers call or come in, they say they saw our ad in Grass & Grain."

~ Estelle Dupont, Receptionist ~

"We have found it to be very effective advertising."

Steve Morrison,
~ Salesman for Quality Structures, INC. ~

You too could be reaping the benefits of Grass & Grain advertising!

Don't hesitate, call TODAY:
785-539-7558

Or stop by to talk with one of our advertising representatives:

GRASS & GRAIN

1531 Yuma St. Manhattan, KS

STATE FAIR GIVEAWAY

THREE EVENTS, THREE CONTESTS, THREE DIFFERENT WAYS TO WIN!

NEEDTOBREATHE (4) Concert Tickets

Friday, September 8th
Deadline to enter: August 31st

Tag us in a photo of you reading Grass & Grain in your favorite spot, or a farm scene photo, **and like the Grass & Grain Facebook page** to be entered;

OR email the photo to gandgeditor@agpress.com

DEMOLITION DERBY (4) Tickets

Monday, September 11th
Deadline to enter: August 31st

Email a photo of your old Farm Truck and any details you would like to include to gandgeditor@agpress.com to be entered.

(4) Concert Tickets
Matthew West & Anne Wilson

Wednesday, September 13th
Deadline to enter: August 31st

Like and Share the Grass & Grain Farm Show Facebook page to be entered.

No purchase necessary. All drawings will be random. Photos submitted may be used in the print and online editions of Grass & Grain, or on the G&G Facebook and Instagram pages.

Soil microbes help plants cope with drought, but not how scientists thought

There's a complex world beneath our feet, teeming with diverse and interdependent life. Plants call out with chemical signals in times of stress, summoning microbes that can unlock bound nutrients and find water in soil pores too small for the finest roots. In return, microbes get a safe place to live or a sugary drink.

It's a classic you-scratch-my-back-I'll-scratch-yours scenario. Except when it's not. New research from the University of Illinois Urbana-Champaign challenges conventional wisdom to show free-living soil microbes are just looking out for themselves.

In a multi-generation experiment, researchers from the College of Agricultural, Consumer and Environmental Sciences (ACES) found microbes helped plants cope with drought, but not in response to plants' cries for help. Instead, the environment itself selected for drought-tolerant microbes. And while those hardy microbes were doing their thing, they just happened to make plants more drought-tolerant, too.

"It was a surprise because I expected to see evidence of coevolution and mutualism between the microbes and plants. I think people, myself included, forget that just because microbes do something adaptive or beneficial to the plant, it doesn't necessarily mean they're doing it for the plant," said Kevin Ricks, who completed the project as part of his doctoral degree in the Program for Ecology, Evolution, and Conservation Biology at Illinois. Ricks is now a postdoctoral researcher at the University of Toronto.

To learn how microbes help plants deal with drought, Ricks established live soil communities in pots with or without plants. He watered half of the pots well and imposed drought conditions in the other half, then repeated these treatments for three generations. The idea was to allow time for selection to occur — potentially for plants to signal their need for help and select for microbes that came to their aid.

In phase two of the experiment, Ricks mixed everything up. He again grew plants in soil from phase one and kept the same watering treatments, but some plants were now experiencing drought in soils that had been well-watered for generations, and vice versa. He expected soil microbes from historically dry pots would have adapted to those conditions, helping plants withstand drought more than microbes from historically wet pots. And that is what he found: Plants experiencing drought were bigger when grown with drought-adapted microbes.

But — and this is key — that was true for soils grown with or without plants in phase one. In other words, microbes adapted to drought over time even without plants selecting for them through chemical signals. Yet they still provided benefits when grown with plants generations later. It was proof these microbes were doing their own thing, only helping plants incidentally.

No previous studies on the topic had included a no-plant control, leaving the research community to conclude plants and microbes were communicating in a co-evolutionary dialogue.

"Our results challenge classical thinking about what counts as a mutual benefit. Mycorrhizae and nitrogen-fixing bacteria are kind of model systems, things that people study when they talk about mutualism. But then there's this fuzzier set of interactions that we don't understand yet, but could still wind up having a mutual benefit, or at least a one-way benefit to the plant. I think our approach brings this system into the spotlight," said co-author Tony Yannarell, associate professor in the Department of Natural Resources and Environmental Sciences, part of the College of ACES at Illinois.

The researchers also sterilized some phase-one soils before imposing treatments in phase two. In those pots, plants in historically dry soils were no better off when experiencing drought.

"Some previous studies didn't actually compare soil

with and without microbes, so it's hard to really implicate the microbes as the driver of the benefit," Yannarell said. "There are a lot of things that could have been different in the soil, but when we sterilized the microbes away in our experiment, we lost the benefit of the drought adaptation."

The researchers didn't identify the microbes in their experiment, so they can't be sure exactly how they were benefiting plants. But Ricks said soil microbes are involved in many processes that could help plants withstand stress.

"Microbes are responsible for nutrient and carbon cycling, so whether or not they're actually facilitating plant access to water, they could still be freeing up nutrients that make the plant healthier and more resilient to stress," he said.

Ricks hesitated to claim his study will shift paradigms in ecological research, especially considering it was a greenhouse experiment focused on free-living soil microbes and a single type of environmental stress. But he hopes it will encourage other scientists to consider no-microbe and no-plant controls in future studies. They might just reveal what's really going on beneath our feet.

The study, "Soil moisture incidentally selects for microbes that facilitate locally adaptive plant response," is published in the Proceedings of the Royal Society B [DOI:10.1098/rspb.2023.0469]. This research is a contribution of the GEMS Biology Integration Institute, funded by the National Science Foundation DBI Biology Integration Institutes Program, [award #2022049]. It was additionally supported by the Cooperative State Research, Education, and Extension Service, U.S. Department of Agriculture, under project number ILLU 875-952, as well as by the School of Integrative Biology and the Graduate College at the University of Illinois Urbana-Champaign.

Consider weaning calves now to reduce nutrient needs

"Early-wean calves to reduce cow herd nutrient needs to match drought-limited feed resources," says Patrick Davis, University of Missouri (MU) Extension livestock field specialist. In addition, early weaning can improve calf performance because calves are put on a more nutritious diet following weaning.

Davis offers strategies to help cattle producers be successful in early-weaning calves:

"Age is a consideration when early-weaning calves," says Davis. Calves have been weaned as early as 60 days, but this is usually not practical in most beef cattle operations. It is more practical to wean calves at approximately 120 days of age.

"Getting calves to consume their feed ration as quick as possible once they are weaned is key to a successful early-weaning program," he says. One way to aid in this is creep-feeding the calves

three to four weeks before weaning to get them adapted to a diet similar to their weaning diet.

In addition, top-dressing the initial weaning diet with good-quality hay for the first three to five days may help the calves improve consumption more quickly after weaning. Once calves are properly consuming the weaning diet, daily consumption should be from 2.75% to 3.25% of their body weight.

"Early-weaning calves requires more attention to detail when it comes to developing a feeding program," says Davis. Diets need to be palatable, free of dust and formulated to meet all the calf's nutritional needs.

Adding water or liquid supplements such as molasses to the diet will help with dust control, reduce sorting and, in the case of the latter, improve palatability. Make sure calves have free-choice access to a mineral, trace mineral

and vitamin supplement formulated to meet their needs. Davis suggests visiting with your local MU Extension livestock specialist to help develop a proper feeding program for your early-weaned calves.

"Proper animal management and weaning area setup aids in a successful early-weaning program," he says. Sort calves and allocate them to the weaning areas based on size to cut down on competition during feeding. Since newly weaned calves like to walk the fence line, Davis urges putting the water and feed there to aid in those calves' intake of these things. Make sure water is cold and clean. Water equipment should be cleaned regularly. Davis suggests calf weaning areas be small and have proper shelter and dust control.

"A proper cattle operation health program is important to cut down on morbidity and mortality

of early-weaned calves," says Davis. He urges consultation with your local large-animal veterinarian and developing a proper health program for your cattle operation before early-weaning calves. Some things that should be considered in the program:

- Process calves — including tagging, branding and castration — at least 14 days prior to weaning.

- Provide proper internal and external parasite control, including fly control.

- Provide proper vaccinations prior to weaning.

- Monitor calves daily for symptoms of respiratory disease, digestive disturbances, scours, coccidiosis and reduction of dietary intake. Work with your veterinarian to treat these symptoms.

"One benefit that

early-weaning does to a cattle operation is improve forage availability to cows," says Davis. As the rains come, the forage will begin to regrow. Davis urges early-weaning calves to improve forage resources for the cow herd as we move into fall and winter.

Contact your local MU Extension livestock field specialist for more information on early-weaning calves.

Free soil health workshop to be held August 31

A free soil health workshop will be offered for local agricultural producers so they can learn about the benefits of soil health on the farm. Topics will include an introduction to soil health, cover crops, nutrient availability and more. The highlight of the workshop will be a local farm tour where participants can observe soil health practices in action. Specialized breakout sessions will cover regenerative agriculture, cover crops and soil health. Speakers include Dr. Jerry Hatfield, Dale Strickler and Elizabeth Heilman Ph.D. Lunch will be provided.

The workshop will start at 9:00 a.m. on August 31st at St Michael's Parish in Axtell. The parish is located at 605 Elm Street. Participants are asked to RSVP by August 25th by calling 785-340-2524 or e-mailing ryan@glacialhillsred.com.

AUCTION

SUNDAY, AUGUST 27, 2023 — 10:00 AM

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

Oak double Hoosier kitchen cabinet; oak 4 section stacking bookcase; oak curved glass secretary; oak curved glass china cabinet w/claw feet; oak buffet; oak tilt top dining table; set 4 oak pattern back chairs; oak library tables; oak highboy; New Home treadle sewing machine; oak coffee table; oak divan; walnut dresser w/hanky drawers; oak parlor tables; pine 2 door cabinet; 4' oak church pew from Methodist church Colby; oak 2 drawer chest; oak flat top desk; walnut carved bed; painted entry cabinet; school desk; **CROCKS inc:** Redwing 2, 3, 5, 15 & 20 gal crocks, 2 & 3 gal churns; Stone Mason fruit jars; RW Poultry Drinking Fount; sponge bowl; 1-gal Western brown top jug; 2 gal Crown water cooler; 3 gal Western; brown crocks; other crocks; **Pictures inc:** Budweiser "Custer Last Stand"; John Wayne; bow front; other pictures; stain glass table lamp; oak wall telephone; kitchen clock; Featherweight sewing machine w/table; Roseville pieces; Hull Art pieces; collection of Heisey glass "Rose pattern"; carnival pitcher & bowl; pink Depression glass collection; handpainted china; Shirley Temple pitchers; sets dishes; assortment of other glass; Pyrex bowls; Coors vase; green beater jar; kerosene lamps; green & clear Aladdin lamps; bracket lamps; stain glass window; coffee tins inc: Red Wolf; lard tin; pie bird; egg scale; Dazey 40 churn; 2 sets flatware; buttons; assortment Christmas; costume jewelry; Black Hills

gold jewelry; quilts; linens; afghans; pig collection; coffee grinder; brass bells; brass & copper pots, table; Griswold & Wagner cast iron skillets & griddles; baby plate; Puss & Boots spoon & fork; Indian dolls & pottery; early Barbies & clothes; other dolls; canes; southwest wall décor; wooden egg case; wooden ducks; wooden spoons; brass fire extinguisher; assortment books inc: Bobsey Twins, Nancy Drew, other; collar & hames; Hard Facing sign; Pepsi clock; well & pitcher pumps; yard art; assortment of other collectibles. **Modern furniture:** King size bed w/new box springs & mattress; modern couch; drop front desk; 2 china cabinets; modern chests; patio table & chairs; Char-Broil grill; other household items.

NOTE: Karen is moving and has collected for many years. Everything has been in her home. Many boxes have not been unpacked for years. For pictures check our website at www.thummelauction.com

KAREN ADRIAN KOTRBA

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

AUCTION

WEDNESDAY, AUGUST 23, 2023 — 10:00 AM

Auction will be held at the Southeast edge of FORMOSO, KANSAS

TRACTORS, TOOLS & OTHER
IHC W6 tractor wide front w/loader doesn't run; IHC M narrow front tractor w/Farm-hand loader; 5'x16' tandem axle open top cattle trailer; Oliver 3 bottom pull type plow; IHC 2 row mounted planter; 3pt. scoop; 10 new wire cattle panels; 13-6-38 tractor tire; new tin; New Frigidaire 7.1 cu chest freezer; new 1000 watt generator; new tool boxes; new gun safe; wire bas-

kets; new folding ladder; new kitchen appliances; new floor jacks; new compound miter saw; new 1" water pump; **Many new tools;** Skill saw; metal kitchen cabinets; Feron; new game cameras; new blank CD; 4 new DVD players; camera cases; pop bottles; windmill tower w/head; Heckendorn riding mower; John Deere LX255 riding mower; Snapper riding mower; Coast To Coast riding mower; JD

66 riding mower; *none of the mowers run;* pickup fuel tank w/tool box; iron wheels; wood keg; 2 door metal ice box; Bovinol wood box; kerosene cook stove; 2"x8" lumber; buggy axles; pickup stock rack; boat w/Mercury motor doesn't run; bicycle; shop vac; 3 new house doors; Coleman cooler & lantern; shelves; assortment pictures; **many other items.**

REAL ESTATE Sells at 10:00 a.m.
* Lot on the corner Quay & Howe, this lot has an orchard. There is a 1 car garage.
* 404 Balch located on the South End of Balch street. This lot has an old house that needs to be torn down, there are many trees.
* 301 Appleby, This lot is on Appleby between Yates and Adams streets. There is an older home that needs a large amount of repair, there is a 1 1/2 car garage. The lot has many trees.

All 3 tracts are in Formoso, Kansas. The seller will do no inspections or repairs on the property. The purchaser will receive a quick claim deed. The total price will be paid day of auction. All inspections on the property must be made before August 23, 2023. Sales are subject to court approval. All statements made day of auction take precedence over printed material. **Thummel Real Estate & Auction is acting as seller agent.**

NOTE: Check our website for pictures at www.thummelauction.com. There are many new items

WARREN L. HEINEN ESTATE

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

AUCTION

SUNDAY, AUGUST 20, 2023 — 10:00 AM

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

NATIVE AMERICAN ARTIFACTS, KNIVES, RADIOS, STERLING, ART & FIESTA

Kabar knives w/sheaths; pocket knives NIB; 4 Western Cutlery axe & knife sets w/sheaths NIB; Western hunting large knives w/sheaths; Bowie sets w/sheaths NIB; Camillus NIB; Schrade Cutlery Uncle Henry & Camillus pocket knives; US Military & USM knives w/sheaths; 19 military pocket knives TL-29; 21 unique pocket knives (Winchester, KKK w/sheath); 36 pocket knives (Keen Kutter, XX, military, BSA, Case, Kabar, Schrade Walden); Karbar pocket knives NIB; spoon & fork utensil knives; hunting knives; military bayonets; Keen Kutter axes; Sears & other knives; **NATIVE AMERICAN:** Axe heads, arrowheads, spear heads, framed arrowheads, rare unique points; obsidian points; bone & shell necklaces; trade beads; wampum; counting stick; bone tools; full grooved axe from Wyandotte County Huron 3 1/4 lbs; many rare unusual arrowheads from TX, Utah, OK, Ar some purchased from Lears in 1948 inc: multi-notched eagle ceremonial, flying bird, bird arrows, stemmed hide scrapers, flying wing types, war points, spear points, obsidian, spotted, saw points, bone awls, tomahawk heads, heart-shaped wing points; *Native pottery inc:* Santa Clara 6" black lotus bowl; Suzi Martinez signed 8" incised black bowl; Wedding pitcher brown w/design 9"; Jose Quierada signed snake pot 8"; Lydia Huma Mahle signed 10" bowl; dark brown very old lizard water pot 7"; brown Eva Hosa 12" bowl; Ortiz signed 12" olla; additional pots inc: Sioux, Santa Clara, Navajo; some signed by Jemez Tosa and others; water vessel signed Javier Corona; Native American jewelry w/turquoise, sterling, shells, bone inc necklaces, wrist band; 3 silver rings 1 turquoise & squash blossom necklace; **RADIOS:** Motorola 1940 50-sc1 red Catalina; Fada 1946 Mo-1000 brown & gold catalin; Emerson Patriot 1940 mod 400-3 catalin; Crosley mod 11-1146 white; Melrose 571-BX120 brown & white catalin; Emerson AX235 1938 catalin;

Emerson Aristocrat 400 catalin 1940; Coke radio/tape player model OTR 1949; Arvin 1946 model 444A metal; Fada model 652 catalin; Emerson model 5474; Sentinel 284-N1 catalin; Truetone A2819 bakelite; Bendix model 115 catalin; Crosley dashboard gray & gold; Crosley dashboard white; Telchroon N-7956 green; Sony solid state MR-9300 WA; Skylark 7 dial receiver; Philco Transitone 49-505 white; Federal model 1040 TO bakelite 1947; Crosley D25WE dashboard white clock radio; RCA 1946 model 66X8 maroon marbled catalin; Zenith 2-341 clock radio; Zenith 1953 model K412Y bakelite; Coronado RA60-8253A 5 tube; Crosley 11-102U green bakelite; GE mod 400 bakelite; Schetchell Carson model 427 white bakelite 1947; Fada model 659 1946; Fada model 652 rare; Fada built model 1000 catalin; Silvertone model 8003 1949; Crosley dashboard 119-101U dark blue; Sentinel 284-N1 catalin 1946; Emerson 5+1 EP=375 catalin 1941; Fada model 115 1940; Bicentennial commemorative radio 1976; Sentinel 1951 model 338; over 20 more radios; boxes of tubes; 2 Air Clear catalin ionizers resemble radios but aren't; **STERLING:** 925 Poole tray; sterling frames; decorated bowls; over 10 S&P shaker sets; many weighted candlesticks; many flute vases; candy dishes; creamers; toothpick holder; sterling handle sock darning egg; sterling handle carving set; sterling & glass cigarette holder; sterling candlesticks; several compotes; sterling platter; sterling plates; butter dish; Victorian 4-person 1844/45 coffee tea set by JE Terry of London; sterling cream pitcher; many candle holders; sterling tray w/sugar & creamer; one fine silver-plate Dubarry Pattern 7-piece coffee tea water, cream, sugar & tray; sterling compotes; engraved candy dishes; berry dishes; pairs of sterling candle holders; Norman Rockwell 5th sterling Christmas plate 1974; misc sterling pieces inc 5 more sets candleholders, salt dishes, large English serving spoon & fork; 5 pc sterling tea set from India presented to an American diplomat; sterling tea &

coffee servers, sugars, creamers, pitchers, sugar tongs; Lunt William & Mary 1921 sterling flatware set 68 pcs w/chest; Esterling flatware sterling 52 pcs w/chest; Royal Crest flatware sterling 57 pcs w/chest; Gorham Lansdowne 1917 sterling flatware 34 pcs w/chest; Lunt Spring Serenade 56 pc flatware w/chest; Towle Rambler Rose flatware butter; sterling 68 pcs w/chest; sterling water pitcher Elmore 1925 Concord; George Washington sterling plate Kirk Collection 1972; Native American sterling bead necklace w/silver chain; Native sterling & turquoise necklace; Commemorative Kansas and other sterling rodeo belt buckles; more silver items; **ART:** Birger Sandzen signed lithograph 12"x10" Summer Landscape; Birger Sandzen signed lithograph 7"x5" The Cathedral; Maleta Forsberg signed print 365/1000 Taking Turns 7"x5"; J. Wilbur Gonterman signed lithograph of Gen Dwight Eisenhower 14"x11" George & Marth Washington portraits; 8 signed John Rogers watercolor lithographs 8"x6" other art; **FIESTA:** old green stick handle coffee pot w/lid, large yellow coffee pot w/lid, orange lid, claret small bowl set, very rare 6 pc red relish tray, yellow creamer & sugar, turquoise salt & pepper, 2 ashtrays, cups, single relish insert, yellow stick handle coffee; new in box disc pitcher, plum demi cup & saucer, orange candle stick; Jewel T covered bowl; Royal Copley bowl; Harlequin pitchers, gray boats; blue fondue; Hall's large poppy tea pot; 2 green Depression juicers; syrup jar; other glass; Kenndy Equip Type 525 two step amplifier; Washington Camp cup pewter (with provenance); commemorative plates (Phillips/founder of Salina; large sea shells; quartz carved ash tray card set; mortar & pestle; 1951 Salina BPOE golden anniversary vase; die cast 1948 Ford pickup; 78 records; 2 six pack Christmas Coca Cola; 12 Coca Cola sets playing cards; hand cut lead crystal bowl; Komets 5 cent gumball machine; 48 star flag in box; child's metal globe bank; Prairie House in Dickinson Co. book; Native American books; **many 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

Scientists made a healthy crop healthier

Scientists at the Children's Nutrition Research Center of the USDA's Agricultural Research Service (ARS) helped develop healthier sorghum varieties containing significant concentrations of provitamin A carotenoids while also increasing mineral absorption to meet the nutritional needs of mothers and children in sub-Saharan Africa.

The new varieties are the product of 20 years of collaborations from scientists with the USDA-ARS, the Arkansas Children's Nutrition Center (ACNC), North Carolina State University's (NC State) Plants for Human Health Institute, and Corteva Agriscience.

Sorghum (Sorghum bicolor) provides many dietary benefits, as it is high in protein, fiber, B vitamins, and some micro-

nutrients. But like many other cereal grains, it lacks sufficient vitamin A precursors and key minerals such as iron and zinc. Worse yet, it contains the natural antinutrient compound phytic acid, which prevents gastrointestinal absorption of minerals like iron and zinc. A significant issue, given that these micronutrients must be obtained from the diet.

"This research has important implications for people living in sub-Saharan Africa, where sorghum is a culturally significant staple crop and it's often eaten as a porridge, and is a primary source of dietary carbohydrates," says Michael Dzakovich, a researcher with USDA-ARS Children's Nutrition Research Center in Houston, Texas. "As a result, mothers and

children in sub-Saharan Africa disproportionately suffer from chronic diseases related to insufficient vitamin A, iron, and zinc intake."

Vitamins and minerals are essential for immune system functions and disease prevention. According to the Centers for Disease Control and Prevention, children with Vitamin A deficiency face an increased risk of blindness and death from infections.

In the study, scientists developed advanced lines of sorghum enhanced with both provitamin A and non-provitamin A carotenoids using trait stacking, a biotechnological technique commonly used in plant breeding for integrating multiple traits at once in a plant. These varieties also contain a more efficient phy-

tase enzyme (a protein that breaks down phytic acid). Scientists wanted to evaluate how effectively carotenoids and minerals would be absorbed from the diet with these new varieties. They tested how different porridge preparations influenced the breakdown of phytic acid and increased the availability of minerals for absorption using a laboratory digestion model that mimics the human digestive system.

According to Dzakovich, the challenge is that increased levels of minerals in the gut, like iron and magnesium, have been linked to decreased carotenoid absorption. "There's a potential trade-off between carotenoids and minerals and we have to keep that in mind as we try to address vitamin A and mineral deficiencies

at the same time."

Fortunately, the team found more positive results with the new varieties. "Our findings indicate that porridges made from the lines we developed are capable of delivering 32 times more provitamin A carotenoids than typical sorghum varieties while also providing minerals like zinc and iron. A child between the ages of four and eight may easily meet their daily vitamin A requirements with just a couple servings of porridge made from these biofortified lines," explains Dzakovich.

These sorghum lines also contained high concentrations of lutein and zeaxanthin, carotenoids which are important for eye health and brain development.

Future human trials will be needed to con-

firm that higher mineral bioavailability will not substantially affect the amount of provitamin A carotenoids that can be absorbed.

"I'm fortunate to have contributed to this project. It has enormous potential to impact food security, and I'm excited to see how these resources can be used to improve people's lives."

The study was published in Food and Function by Michael P. Dzakovich (USDA-ARS), Hawi Debelo (NC State), Marc C. Albertsen (Corteva Agriscience), Ping Che (Corteva Agriscience), Todd J. Jones (Corteva Agriscience), Marissa K. Simon (Corteva Agriscience), Zuo-Yu Zhao (Corteva Agriscience), Kimberly Glassman (Corteva Agriscience), and Mario G. Ferruzzi (ACNC).

A No. 2 pencil is a beef producer's best tool

One of the most important tools for livestock producers is a sharp No. 2 pencil.

The pencil and some basic arithmetic can help take the emotion out of desperate measures to find feed. When you do the math, buying grain or other alternative feeds may be the best bang for the buck, says University of Missouri Extension agricultural business spe-

cialist Wesley Tucker.

"Many people think their only options are to pay whatever they must to buy hay or sell their cows," says Tucker. Not so, he says.

Producers actually have multiple options: 1) Buy high-priced hay; 2) Limit feeding of hay on hand and make up the difference in grain; 3) Buy straw and supplement with grain; 4) Buy corn

silage/baleage from row crop neighbors.

Some producers may not have access to every option, or it may not work for them, says Tucker. Producers must decide for themselves what works with the time, manpower, equipment and other resources they have.

Tucker and MU Extension beef nutrition specialist Eric Bailey say producers might save money

by buying grain and investing more elbow grease to weather drought-related shortages.

First, ask what you are getting for your money by calculating the cost per pound of TDN (total digestible nutrients). Measuring TDN is akin to reading the calories on the back of a candy wrapper. It represents energy in the feed. Compare each alternative on price for a pound of TDN to identify under- and over-valued feeds, says Bailey.

When you put pencil to paper, you might find

differences in price per pound of TDN among forage sources or that grain might be cheaper per pound of TDN. Keep in mind, too, the bonus of grain having less waste compared to forages. This allows you to feed what hay you have and fill the gap with grain.

Consider reducing hay intake to ten to 15 pounds per cow daily, and make up the difference with grain, depending on pregnancy and lactation status. Cows nursing young calves need the most feed.

Don't be fooled by dol-

lar-per-bale prices, says Tucker. Not all bales are created equal. When pricing, always consider size and weight. "A 4x5' bale of hay may only weigh 750-800 pounds while a 5x6' bale weighs considerably more. When possible, price hay by the ton instead of per bale, because it's not always apples to apples," says Tucker.

If you are lucky enough to have hay or can find hay to buy within your budget, save by not wasting it. See the MU Extension news release "Don't waste precious hay during drought" at <http://muext.us/n6123> for ways to make the most of it.

Plan to roll up your shirtsleeves to save money, says Tucker. Invest in infrastructure and prepare to put in extra time. Feeding grain is more labor-intensive and requires some infrastructure, but the savings will likely pay off.

This might be a good time to invest in a bulk bin to avoid carrying individual sacks to the trough. Also, buy a cake feeder instead of carrying individual buckets. "These investments make an operation more efficient - and save your back," says Bailey.

FARM MACHINERY & TOOL AUCTION

SATURDAY, SEPTEMBER 2, 2023 — 9:00 AM

Farm Machinery • Semi Truck & Trailer • Stock Trailer • Feeders • Sheds • Tools • Pickup

953 Cherokee Road (aka Hwy. 233), MARYSVILLE, KS 66508 * Lunch served
Directions: from Marysville - 8 miles north on Hwy 77 turn east onto Cherokee Rd./Hwy 233 for 1/2 mile

TRACTORS, COMBINE, MACHINERY, SEMI & TRAILER
2000 JD 8410 Tractor MFWD 6,555 hours, 480/80R46 duals, 380/85R34, suitcase weights, full inner axle weights, 75% rubber, 4 sets hyd. remotes, RW8410P002671; **1975 JD 4430** Tractor, 1,329 hours on replacement gauge, quad range trans, heat & AC, 18.4-38 rear, 11.00-16 front, 3 sets remotes, 4430H041909R; **1968 JD 4020** Tractor, diesel, 1,730 hours showing, 18.4-34 rear, 10.00-16 front, 2 sets remotes, T213R188783R; **1955 JD 70** Tractor, Power Steering, gas, #7038459; **1952 Allis Chalmers WD** Tractor, not running, #117419; **1950 JD Model A** Tractor with buzz saw front end attachment, may be running, #655482; **1995 JD 9500** Combine, 4,622 engine hours, 3,413 separator hours, bin extensions, 800-65R32 front 75+% , 18.4-26 Rear, with remote control electric lift step assist system, H09500X661564; 2012 Landoll 7431-26 VT 22" blades 74D1202884; 2014 JD 2210 Field Cultivator, 32Ft, w/3 row harrow attachment 1N02210LHE0755995; 2019 Kinze 3200 Planter, 12-30 front fold, 110679, like new; 2006 Great Plains 35-3000HD Solid Sure Stand Grain Drill, 30Ft, hyd down pressure, 15" blades, S1910; 2000 International 9200 Semi Truck, Day Cab, C12 Caterpillar engine, Jake, 716,479 miles, air ride, 177" wheelbase, Eaton 410, 10-spd, newer clutch, newer transmission, newer 5th wheel, batteries dated 2022, 11R22.5 tires 2HSCAX-R1YC083474; 2011 Maurer Grain Trailer, 36Ft, tandem, air brakes, 2 hoppers, with Sure Lock 4500HD electric tarp w/remote (tarp only a couple years old) 1M9KG3625BS152228; 1977 Chevrolet C65 Grain Truck, w/tag axle, 70,632 miles, split 4-spd, 18Ft wood box w/54" sides, single cylinder, 9.00R20 tires CCE677V127523; 1973 Chevrolet C60 Grain Truck 28,566 miles, split 4-spd, single axle, steel sides, wood floor, single hoist, 350 eng, 2-barrel, hyd. brakes; JD 643 Corn Head w/crop sweeper attachment #517645; JD 922F Flex Head 22Ft H00920F700775; JD 920 Rigid Head 20Ft H00920F660938; 2008 BKB 25-30T Header Trailer 01073; homemade adjustable Header Trailer; JD 725 front Loader w/7Ft bucket & 4430 brackets; JD 8Ft front Dozing Blade fits 4020; GB front Loader w/bucket; A&L F500 Grain Cart 18.4-26 tires; Dalton Ag Products DW6032 Anhydrous Applicator w/13 knives, w/split shut-offs #08496; Landoll Field Cultivator 24Ft modified for anhydrous application; anhydrous applicator bar, 3-pt, 11 knives; propane barrel on single axle trailer; Krause 312-5-0 disk w/harrow attachment; Case Plow 7-bottom 16", semi mount; Oliver Plow 5-bottom 16", semi mount; International 720 Plow 5-bottom 16", semi mount L050000U; JD 900 V-Plow E0900 9-knife #015075A;

Rhino 1540 Blade, 10Ft, 3-pt, hyd tilt & swing, #15608; Notch Mfg. 75GRB Grapple Attachment #14400; B&B Mfg Nitzsche Weeder 3-wheel, self-propelled, Honda 11HP shatter cane wiper; Cardinal BC10 Belt Conveyor 26ft w/hopper; Case IH 183 Row Crop Cultivator, 6-row, w/Danish tines #0030730; JD front mount 6-row cultivator; Dakon 3-pt track scratcher; JD 400 Rotary Hoe 3-pt; RHS Sprayer, 55 gal. w/B&S 5HP; Bell Tech Post Hole Auger 12" - like new; Trans Mix Utility Mixer #1155; International 411 Rotary Cutter 6Ft; Rhino 3150-4 Winged Shredder #40223; JD 896A Hay Rake #6809; IH 46 Baler, twine; Westfield MK100-61 Grain Auger, 10", w/MK double auger swing pit, #131056; Westfield TR100-61 Grain Auger, 10" w/single auger swing pit; Hutchinson Mayrath Grain Auger, 8", #927773; Hutchinson Grain Auger, 8", #53-133563; Peck 802-31 Grain Auger, 8", #217.18357; Grain-o-vator 30 w/auger, tandem axle; Parker Gravity Box Wagon w/auger & tarp; JD 68 Feed Wagon w/rear auger; JD 400 Grinder-Mixer; bale elevator - no motor; homemade 3-pt bale spear; homemade 3-pt single bale mover; homemade 3-pt side-by-side bale mover; homemade bale trailer 10x25, single axle w/duals; portable cattle self-feeder 4,000lb, single axle; Lutte metal cattle self-feeder on skids, 12ft long 4ft wide 7.5ft tall; metal round bale feeder; silage wagon w/hoist, 6x10ft; 3.5x9ft manure spreader; wooden axle running gear in pieces w/steel wheels 28" firt & 32" rear; flare box wagon w/steel wheels; 4-large wooden spoked wagon wheels; 8-12Ft cattle corral panels, 1-1/4" sq tubing; cattle panel walk thru gate; cattle squeeze chute; Rapat Seed Bag Conveyor Belt, 16Ft; Amy Mfg. portable disc blade sharpener w/4HP Kohler; Johnson sickle servicer; 3-pt quick hitch; 18.4-38 clamp on duals; header snouts for JD 922; assorted JD seed meter plates; JD & Case suitcase weights; JD wheel weights; rice tires 24.5-32; duals 18.4-34 w/rims; 12.5L16 implement tires w/rims; 15" implement tires, some new; JD 494 planter chemical boxes; 3pt 2-row lister; vintage hand crank corn sheller.

PICKUP, LAWNMOWER, FORKLIFT, GENERATOR, SHEDS, SNOWPLOW, TRAILERS
2001 Chevrolet K1500 4x4 Pewter Reg Cab, 8Ft bed, 5.3 engine, automatic, 74, 600 miles, gray cloth 40/20/40 seat, elect. brake controller, front grille guard, 1GCE-K14T81Z230036; 2007 JD Z Trak 757 Zero Turn Mower, 329 hours, commercial, 60" deck, 25HP V-twin TC0757B067261; 1982 Travelong 16Ft bumper hitch stock trailer, 6ft wide, good floor, very little rust, A4826164150; H&H Trailers 5.5x10 tilt solid side trailer, single axle, #224182-D; Clark C500 55 Type G Forklift, LP gas, 3,364 hours, 4-wheels, 42" forks, 5,500 lb capacity, 355-1545-2528-371; 6FT Snowplow; Ag-Tronic 61500 PTO Generator, 27kw, #790317; container truck

box storage shed 16.5x8x8ft w/ an added peaked roof; 16x8x8.5ft red & white wooden storage shed; 16.5x8x10ft white shed.

TOOLS & HOUSEHOLD
Chore Master power washer, Honda 5.5HP, 2400 psi, 2gpm; B&S Power Flow dual mode power washer, B&S EXI 725; DeWalt 215,000 BTU bullet kerose heater; Porta Heat 97 bulb kerose heater; Stihl AP300 chainsaw 12" gas power; Stihl MS251C chainsaw 16" gas power; JD CS40 chainsaw gas; McCullough Mac 35 chainsaw gas; Stihl FS55R weed cutter; Craftsman toolbox; Montgomery Wards Pow-Kraft tool chest; Manley Manufacturing Model 190, 60 Ton Press; Chicago Model ai-25 drill press; Lincoln Electro cordless grease guns; JD combination wrench set 20-32mm; Owatonna combination wrench set 1-11/16 thru 2"; 2" Gear wrench; come-a-longs; boomers; log chains; chain hoist; steel cable; hand pump sprayers; air compressor 110v; 40 gal propane tank w/ heater; hand truck pallet jack; 24ft aluminum ladder; new rolls barbed wire; 7-military fuel cans; 2-man crosscut saw; DeWalt & B&D elect jigsaws; Makita 9501B elect grinder; Rockwell 7-1/4" saw; B&D 1/2" drill; Milwaukee 3/8" drill; Thor 3/8" drill; Milwaukee 1/2" angle drill; Rockwell elect. router; Shop Craft elect. sander; Titan Advantage 200 paint sprayer; Campbell Hausfeld 2203 airless paint sprayer; Wagner Power Painter elect.; Lynx 1223 pressure washer; Nelson Tester Co. leak-age tester; B&D DeWalt 3" cut rip saw; Yellow Jacket grinder; Dayton wire brush; Lux 1" air impact; Craftsman & NAPA air impacts; DeWalt & Hitachi 18V cordless drill; Irwin Hanson 26317 tap & die set; Ace Henry Hanson tap & die set w/wood & glass top box; E.C. Stearns 4" bench vise; torque wrenches; Ridged pipe threader set; Ratchets & sockets including S&K, Blackhawk, & Craftsman; Havens KS large C-clamps; bar clamps; 3pc. Craftsman Robo Grip set; bearing pullers; propane torch; fence stretcher; electric & battery fencers; post puller; pallets; fertilizer spreader; ATV aluminum loading ramps; Floor & piston jacks; car ramps; Big Red Pro Series 1250 engine stand; Cummins 2-ton engine hoist; riding mower lift; 3-pt draw bar; 4-wheeler sprayer; carpenter hatchet & nail puller; horse harness rings; hay knives - hand & spade; dehorer; castration clamp & band; military metal ammo boxes; 1 gal oil can w/flex snout; Quaker State oil can w/hand pump; pickup side toolboxes; Edelbrock carburetor cat. #1405, 600cfm, NIB; B&D valve grinder; Sioux Brand valve seat grinder; assorted JD parts; 2-Titan Model T900 convection room heaters; Brownie Kodak 500 movie projector; Security 1/2HP garage door opener, NIB; Remington Xlean-bore 22 LR bullets boxes of 500; table & chairs; hutch; lift chair; queen bed; kitchen items; general household items; **Many, Many More Tools too lengthy to list!**

BOOK COINS
World Coin Library Coins Book

AUCTION NOTE: BE ON TIME! No Misc.! Very Impressive Collection ... Highlights ONLY! The Quality is Outstanding! Do Not Miss This Opportunity. INSPECTION After 9:30 AM DAY OF AUCTION ONLY! Concessions: Worden Church Ladies.

SELLER: Private, Gardner, KS

ELSTON AUCTIONS * (785-594-0505) (785-218-7851)

"Serving Your Auction Needs Since 1994"

Please visit us online: www.KansasAuctions.net/elston for Pictures!

AUCTION

SUNDAY, AUGUST 27, 2023 - 11:00 AM
2110 Harper, Dg. Fairgrounds, LAWRENCE, KANSAS
Bldg. 21 - Climate Controlled!

350+ Coin Lots
All Coins in cases or sleeved! Detailed Listing on the Internet
GOLD COINS

2009 \$20 Double Eagle; 1903 \$10 Cornet Head Eagle (Graded); 1932 \$10 Indian Head Eagle PCGS MS61; 1886 \$5 Liberty Head Half Eagle; 1834 \$5 Classic Head Half Eagle Rare!; 1838 \$5 Liberty Classic Head Half Eagle RARE!; 1896 \$5 Liberty Head Half Eagle; 1878 \$2.50 Quarter Eagle; 1857 Indian Princess Head \$1.

SILVER COINS
1GR 1000g SILVER BAR; 50+ High End Morgan & Peace Silver Dollars: 1878S, 1879S, 1881O, 1886, 1888, 1889, 1889O, 1890, 1893, 1896, 1897, 1900, 1904O, 1920 1900O, 1928 & 1928S RARE!!; 100 Barber Halves 1893-1915; 220+ Barber Quarters 1892-1916; 400+ Barber Dimes 1892-1916 (Sold in Lots! 5/10/20); Roosevelt Proof Dimes; V/Bufalo/Jefferson Nickels.

BOOK COINS
World Coin Library Coins Book

AUCTION NOTE: BE ON TIME! No Misc.! Very Impressive Collection ... Highlights ONLY! The Quality is Outstanding! Do Not Miss This Opportunity. INSPECTION After 9:30 AM DAY OF AUCTION ONLY! Concessions: Worden Church Ladies.

SELLER: Private, Gardner, KS

ELSTON AUCTIONS * (785-594-0505) (785-218-7851)

"Serving Your Auction Needs Since 1994"

Please visit us online: www.KansasAuctions.net/elston for Pictures!

Sets: #8125 Roosevelt Dimes 1946-2021, #8145 2009 District of Columbia & U.S. Territory Proof Quarter Set RARE!; #7146 1999-2008 Proof Statehood Commemorative Quarter Set; 2009 Complete P & D Mint Mark Lincoln Cent Anniversary 8 Roll Set; misc. other coins!

SPORTS CARDS

2010 ROOKIE Salvador Perez "La Dodgers"; 2022 Topps 512 Bobby Whitt Jr. Rookie; 2021 Topps FUT-BW Bobby Whitt Jr.; 1969 Topps #120 Pete Rose; Graded 1978 #20 Pete Rose; 1986 Leaf Barry Bonds Rookie; 350 Baseball/300 Basketball/120 Football Cards; **See Internet For Listing!**

STAR TREK MEMORABILIA
Playmate Bridge Playset #6103 w/Box; Playmates #62000-6 Shipping Box w/16 Original Action Figures; Playmates #6104 Transporter; Collector Series #6141 Captain Jean-Luc Picard & #6067 Commander Benjamin Sisko; Galoob #5350 Dimes; "The Next Generation" Hamilton Plates; Unopened/Sealed Trading & Collector Cards; Other Star Collectibles!

AUCTION NOTE: BE ON TIME! No Misc.! Very Impressive Collection ... Highlights ONLY! The Quality is Outstanding! Do Not Miss This Opportunity. INSPECTION After 9:30 AM DAY OF AUCTION ONLY! Concessions: Worden Church Ladies.

SELLER: Private, Gardner, KS

ELSTON AUCTIONS * (785-594-0505) (785-218-7851)

"Serving Your Auction Needs Since 1994"

Please visit us online: www.KansasAuctions.net/elston for Pictures!

AUCTION

SATURDAY, AUGUST 19, 2023 — 9:00 AM
101 N. 7th Street * HERINGTON, KANSAS

REAL ESTATE SELLS AT 12:00: Morton oversized 2 car garage with CHCA and bathroom. This building is in excellent condition. It sets on the east end of the lot, so there is room to build a house on the west end. Approx. 75x150 lot. Taxes \$361.16. **For information contact Greg Hallgren, Broker & Auctioneer at 785-499-2897.**

COLLECTIBLES: Rock Island signs, books & memorabilia; 2 vintage RR pocket watches; Aruze slot machine; Jim Bean trains & other decanters, many with boxes; numerous signal lights; Aladdin wall lamp; quilts; kerosene lamps; large collection of die casts trucks and cars including Mack, Nebraska Huskers, Fords, International & more, with boxes; cap collection; JD cottage; Vikings Pigskin Pete doll in box; smoke stand; vintage games & books; Sessions mantle clock; nice selection of small crystal pcs; set of china; coin spot bowl; oriental cups & saucers; crystal collection; carnival pcs.; large selection of glassware & pottery; Bayreuth miniature tea set; numerous prints; Royals memorabilia; large selection of costume jewelry; RR car birdhouse; wood boxes; various license plates;

vintage radiator; climbing belts; Smith Corona vintage typewriter; various tins; brass spittoon; small oil can; brass torch; various primitives; SS cabinet; Red Chief corn sheller; large bird-bath & fountain.

FURNITURE: Oak curved glass china hutch; oak glass front wall cabinets; oak bound floral sofa, love seat, chair & ottoman; oak coffee table; walnut buffet; walnut dropleaf dining tables & 4 chairs; oak wall clock; Vizio flat screen TV; walnut cedar chest; blonde oak dresser & mirror; oak jewelry chest; oak bdr. set; ice cream parlor chairs; single bed; oak library table; blonde oak gossip bench; Honeywell air filter; Mossler PO upright safe; Cl & oak bench; patio glider.

TOOLS: Craftsman tool chest;

Craftsman wrenches, pliers, clamps etc; Pittsburgh 1/2" torque wrenches; Craftsman bench top drill press & bench grinder; Craftsman 10" miter saw; Craftsman lathe tools; Craftsman Laser Trac level set; Chicago chain saw sharpener; Skill 10" table saw; B&D 18 volt cordless drill & others; Homelite chain saw; drill press vise; battery charger; Shop Vac 18 gal.; B&D circular saw; pipe threader; Lynx trimmer & blower 40 volt; Troy Bilt Horse rear tire tiller with blade; Air Rake 2 1/2 hp; edger; Craftsman lawn spreader, pull type; pull type thatcher; lawn tractor jack; lathe; numerous car stand; all kinds of clamps; 6 ft. fiberglass step ladder; small aluminum extension ladder; Estway folding ladder; Drill Doctor; Eagle pellet gun.

AUCTIONEER'S NOTE: This is a large auction with many items yet to be unboxed. Note the early start time because of the heat. There is some shade & an air conditioned building on the property.

CHARLES R. EVERHART

For pictures go to: hallgrenauctions.net

Terms: Cash or Good Check. Not Responsible for Accidents. Statements made day of auction take precedence over printed material.
Lunch by the White City Christian Church

HALLGREN REAL ESTATE & AUCTIONS, LLC

ALTA VISTA, KANSAS • 785-499-5376
GREG HALLGREN JAY E. BROWN
785-499-2897 785-223-7555
e-mail: gshallgren@live.com
www.hallgrenauctions.net • KSALink.com

Visit our website Prellrealtyauction.com to see this sale bill & photos

SELLERS: GALE COLLINS Farm Equipment & Tools by PAM MCKEE
AUCTIONEER'S NOTES: An Outstanding offering of clean well-maintained equipment. Gale stored most of this farm equipment inside multiple sheds. Order of sale: Starting with 6 trailers of tools, followed by short row of household, followed by sheds, followed by pickup & mower, then on to the Farm Machinery.

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

PRELL REALTY & AUCTION, LLC • prellrealtyauction.com

Don Prell, Auctioneer 785-562-6787 Steve Prell, Auctioneer 785-713-2191 Dave Bures, Auctioneer 402-239-9717

Grass & Grain Area Auctions and Sales

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

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

2-Day Online Only Auction (Open NOW, day 1 closes 2pm Aug. 15 & day 2 closes 2 pm Aug. 16 — 690 Lots including Antiques, collectibles, primitives, toys, railroad, oil cans, outdoor items, pocket knives, sporting items, glassware & more (items located at Cottonwood Falls) held online at www.GriffinRealEstateAuction.com

Karen Herrenbruck Online Auction (Opens, Aug. 10 with a soft close Aug. 16) — Selling Primitives, farm equipment, tools, misc. camping equipment, animal health items (items located at Ellinwood) held Online at hollingerauction.hibid.com/auctions/current. Auctioneers: Hollinger Online Auction.

USD 405 Surplus Equipment Online Auction (Opens, Aug. 17 with a soft close Aug. 23) — Selling Folding lunch tables, desks, cabinets, laminating machine (items located at Lyons) held Online at hollingerauction.hibid.com/auctions/current. Auctioneers: Hollinger Online Auction.

August 15 — Farmland Auction consisting of 1,684 Acres m/l in Sumner County offered in 10 tracts (The Withers Farms) held live at Wellington. Auctioneers: Peoples Company, Realtors Land Institute, Cushman & Wakefield, Lund Company. (www.withersfarms.com)

August 17 — Lee Valley, Inc. Annual Summer Consignment auction including tractors, tillage, harvest & grain handling, trucks, trailers, vehicles, antiques, hay & livestock, construction, planting & sprayer & misc. held live at Tekamah, Nebraska with online bidding at www.EquipmentFacts.com. Auctioneers: Lee Valley, Inc.

August 17 — Land Auction consisting of 170 acres m/l of Mitchell County Land with approx. 140 acres of cropland with balance being Solomon River and trees, very clean with a bonus of fishing and hunting held live at Simpson with on-

line bidding available at www.MidWestLandandHome.com. Selling for Russ Siegel. Auctioneers: Midwest Land & Home, Mark Uhlik & Jeff Dankenbring.

August 17 — Plumbing Business Liquidation auction including trucks, equipment, tools, supplies, etc. held at Lawrence for Steve Regnier, "Regnier Plumbing, LLC". Auctioneers: Elston Auctions.

August 19 — Furniture, nice horse drawn traveling buggy w/harness, antiques, primitives, collectibles, lots of nice tools, mower tractor, sprayer & much more held at Portis for Charlie Campbell Estate. Auctioneers: Wolters Auction & Realty.

August 19 — Real Estate (Morton oversized 2-car garage with CHCA & bathroom), approx. 75x150 lot, room to build a house), Collectibles (Rock Island memorabilia, die cast trucks & cars, glassware, primitives & more), antique furniture, tools & much more held at Herington for Charles R. Everhart. Auctioneers: Hallgren Real Estate & Auctions, LLC.

August 19 — 1992 Ford 9030 bi-directional tractor, Kubota BX 2660 tractor, trailers, farm equipment, roto tiller, rotary mower, livestock items, antique tractors & car (inc. 1933 Farmall F-12, 1939 Farmall F-14, 1923 McCormick 1020, 1928 McCormick 1530 & others, 1926 Model T car), trucks & pickup, other farm items, antique & collectibles (crocks, Fenton, glassware, metal toys, advertising, old tools, furniture & more), furniture, appliances, shop equipment & tools, household & more held near Pendennis, KS (near Quinter) for Bill Jones Estate. Auctioneers: Berning Auction, Inc.

August 19 — Real Estate Auction consisting of a nice 2BR, 1BA home on 4.4 acres just outside city limits of Lucas (near Wilson Lake), central air, fireplace, shop, barn & other outbuildings held at Lucas for Luan-na Maes. Auctioneers: Hansen Auction & Realty, Luke Hansen, broker, Kenneth Meitler, Real Estate Salesperson.

August 19 — Pickups: 2008 Ford F250, 1963 Ford F100, 2003 Ponderosa stock trailer, farm equipment, horse-drawn equipment, body shop equipment & collectibles held Southwest of Jewell for John & Linda Woerner. Auctioneers: Thummel Real Estate &

Auction, LLC.

August 19 — Large estate sale including household, collectibles, furniture, guns, garage, and outdoor items, painting, collections of all kinds, jewelry, art pieces and much more. To be held in Hillsboro, KS for Michael and the late Karolynn Pearman. Auctioneers: Pilsen Packrats Auctions.

August 20 — Native American Artifacts (axe head, arrowheads, points, scrapers, pottery, jewelry & more), knives, collectible radios, nice collection of various Sterling, Art & Fiesta & more held at Salina for Chuck Smith Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

August 23 — Tractors, cattle trailer, plow, planter, cattle panels, tools, gun safe, mowers, & other. Also selling 3 lots of real estate held at Formoso for Warren L. Heinen Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

August 24 — Land auction consisting of 320 acres north of Mount Hope: T1: 160 ac. m/l flood irrigated tillable farm ground; T2: 80 ac. m/l flood irrigated tillable farm ground; T3: 80 ac. m/l dryland tillable farm ground held at Wichita for The J. Carson Rockhill Family Trust. Auctioneers: Sundgren Realty, Jeremy Sundgren, Joe Sundgren.

August 26 — Tractor (2011 New Holland 55 Work Master), 1955 Ford 1 1/2 ton truck, 1937 Pontiac suicide door car, 1956 Volkswagon 2 door, Yamaha Grizzly 450 4-wheeler, 2017 Gravelly 0-turn mower, farm machinery, collectibles inc. furniture, toys, crocks, railroad items & more, household, tools & livestock equipment held near Courtland for Victor Hurtig Estate & Carlene Hurtig. Auctioneers: Thummel Real Estate & Auction, LLC.

August 26 — Live Onsite Consignment auction selling 1,000 pieces including 75-100 Tractors/Loaders, farm equipment from Mezger estate, combines, headers, harvest, cornheads, platforms, drapers, head trailers, grain carts, gravity wagons, wagons, augers, conveyors, seed tenders, manure spreaders, applicators, forage & feeding equipment, grinder mixers, mills, planters, drills, seed tenders, drills, vehicles, ATVs, lawn mowers, grain trucks, trailers, containers, boat, motorcycle, 300+ skidloader attachments, construction

(excavators, skid steers, backhoes, loaders, dozers), hay & cattle equipment, 3 pt. equipment & much more held live at Gallatin, Missouri with online bidding available through equipmentfacts.com. Auctioneers: B&S Equipment Sales, LLC.

August 26 — Land Auction consisting of 480 acres m/l of Washington County Land inc. T1: short quarter is all native grass & 2 water sources & trees; T2: 80 ac. m/l with 51.8 ac. cropland, 10 ac. hay meadows, balance wildlife habitat; T3: Native grass pasture with large pond, above average fence; T4: 80 ac. m/l with hay meadow, wildlife habitat, native grass pasture held live at Washington with online bidding available at www.MidWestLandandHome.com. Selling for Rita Im-lay & Connie Hecox. Auctioneers: Midwest Land & Home, Mark Uhlik & Jeff Dankenbring.

August 26 — 2015 Forest River Salem towable camper, 2011 H&H enclosed trailer, 1989 GMC 2500, 2019 JD mower, 2014 JD Gator, farm & tool items, scrap iron, propane tanks, household, appliances, handicap scooter, glassware, Vintage items inc.: Western decor, records, toys, belt buckles, jewelry, galvanized items, BB guns, Pepsi cooler, cast iron, crocks & much more held at Salina for the Brotton Estate. Auctioneers: Lazy J Auctions, Loren Meyer.

August 27 — 350+ Lots of Gold & Silver Coins, Books Coins, 1GR 1000g Silver Bar, Sports Cards (inc. 2010 Rookie Salvador Perez "LA Dodgers" & baseball cards, basketball, football), Star Trek Memorabilia held at Lawrence for Private seller, Gardner. Auctioneers: Elston Auctions.

August 27 — Antique furniture, crocks, Stone Mason fruit jars, pictures including Budweiser "Custer Last Stand", collectibles, Roseville, Hull Art, collection of Heisey glass, pink Depression glass collection & other glassware, Christmas items, costume jewelry, Indian dolls & pottery, early Barbies & clothes, modern furniture & more held at Salina for Karen Adrian Kotrba. Auctioneers: Thummel Real Estate & Auction, LLC.

September 2 — Farm machinery & tools auction including Tractors (2000 JD 8410, 1975 JD 4430, 1952 Allis Chalmers & others), 1995 JD 9500 combine, lots more nice farm machinery, grain

trucks, semi truck & trailer, stock trailer, feeders, sheds, lots of tools, pickup, lawn mower, forklift, generator & more held at Marysville for Gale Collins (farm equipment) & Tools by Pam McKee. Auctioneers: Prell Realty & Auction, LLC.

September 2 — Estate Auction including truck, enclosed trailer, equipment, collector classic cars, collectibles, jewelry & coins, household, furniture & more held at Lawrence for Mrs. (Jim) Barbara Butell. Auctioneers: Mark Elston & Jason Flory.

September 2 & (Monday) September 4 — 2-day auction selling pottery, lamps, glassware, guns, roller organs, furniture, lamps & clocks, advertising items, toys & collectibles held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

September 3 — Antique auction inc. Advertising showcases, Cadillac neon Service Dealer clock (works), Art Deco Dual neon clock (works) 4 White Eagle gas station cast iron eagles, Westinghouse dual six blade gyro fan, wood Indian Maiden cigar statue, collectibles (tip trays, pocket mirrors, perfume, spice teas & much more) held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

September 4 — Labor Day auction selling 45 Guns & 50+ boxes full ammo, machinist & woodworking tools, vehicles, equipment & 4 Donkeys, signs, antiques & collectibles, toys & more held at Newton for Everett Clinton Litsey & Patricia M. Litsey Family Revocable Trust. Auctioneers: Auction Specialists, LLC, Vern Koch & Mike Flavin.

September 9 — Guns, tractors, Cat Skid, post hole digger, pickups, tools, farm equipment, lawn & garden, farm items, vintage & antiques, dirt bikes & more held near Topeka for J. "Jay Boy" Blodgett. Auctioneers: Wischropp Auctions.

September 9 — Large collection of Roseville pottery, many crocks, glassware & more held at Salina for Kenny Brichacek Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

September 10 — 2007 Dodge Nitro SUV, Allis Chalmers D14 tractor, other equipment, household, 300+ HS & DVD new movies, tools & more held at Salina for Helen Thorton. Auctioneers: Thummel Real Estate & Auction, LLC.

September 16 — Coca Cola

Collectibles inc. 20 coin operated pop machines, signs & more, other collectibles, 1940s Chevrolet truck, semi trailers, trucks, trailers & more held at Solomon for Guy E. (Big Ernie) Hough Jr. Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

September 19 — 268.13+/- acres commercial & multi-family land in Ogdan, KS selling in 4 individual tracts. Online bidding starts Sept. 5. Attend in person Sept. 19th at Holiday Inn on Campus in Manhattan, KS. Auctioneers: Big Iron Realty.

September 30 — Indian item Collection (paintings, dolls, wall hangings & more), pictures, antiques, turquoise jewelry necklaces, rings, hair combs, bolo tie, clock & other jewelry, coins, furniture & more held at Manhattan for Collection of Melvin & Mary Cottom. Auctioneers: Thummel Real Estate & Auction, LLC.

October 14 — Estate Auction #1 selling Antique, vintage & primitive furniture pieces, fine art & jewelry, pottery, collectibles, glassware, advertising & more held at Lawrence for Bishop Family Trust. Auctioneers: Elston Auctions.

October 14 — Judd Ranch 33rd Annual Cow Power Female Sale held at Pomona.

October 21 — Farm Auction held at rural Tecumseh. Auctioneers: Elston Auctions.

October 21 — Fink Beef Genetics Angus and Charolais Bull and Female Sale held at Randolph.

October 28 — Estate Auction #2 selling 100s of 2D Art (framed, matted & loose) inc. fine art created by Native American, Western & Southwestern artists held at Lawrence for Bishop Family Trust. Auctioneers: Elston Auctions.

November 7 & 8 — Grass & Grain Farm & Ranch Show held at the National Guard Armory, 721 Levee Drive, Manhattan featuring the latest in agriculture products, technology & services as well as Chef Alli cooking demo & more.

Ask Grass & Grain to SHARE your Auction on the Official Grass & Grain Facebook Page (Small surcharge will apply. Ad must also run in the paper.)
Reach a Larger Bidding Audience with over 5,000 followers!

AUCTION

SATURDAY, AUGUST 19, 2023 — 10:00 AM

Auction will be held at the farm located 4 miles South of JEWELL, KS on Highway 14 to D Road then 2 miles West to 170 Road then 1/2 mile North to the farm.

PICKUPS, STOCK TRAILER, FARM EQUIPMENT

2008 Ford F250 gas 3/4 ton 4 wheel drive pickup, automatic, PS, PB, new ball joints, brakes overhauled; 1963 Ford F100 custom cab 360 bored 300 over-w/390 crank, new 750 carb, roller rockers, new ported heads, new cam, new intake, power steering, power brakes, C4 automatic, new wiring, lights, less than 1,000 miles after rebuilt; 2003 Ponderosa 6'x16' covered stock trailer, very good; Land Pride ZSRZ Razor 0-turn riding mower, 450 hours 54" deck; Craftsman push mower; 6'x24' tandem axle flatbed trailer; fast hitch post hole digger; fast hitch bale fork; 4-wheel side delivery rake; fast hitch 6' mower gear box bad; 3 section flat harrow;

300 gal gas barrel; wire cattle panels; feed panels; gates; T-posts; electric fence posts; barb wire; plastic water tank; 20 pc. sucker rod.

HORSE DRAWN EQUIPMENT

Chuck wagon on iron wheels; peddlers wagon; 2 seat sprint wagon w/brakes & roller bearings; high wheel wagon; farm wagon box; 2 seat buggy; single seat buggys; iron wheel wagon; iron wheel trailer; rubber tire braking wagon; 2 wheel cart; 2 IHC horse drawn manure spreader completely rebuilt; child's wood wagon w/iron wheels; Draft horse harness; Army saddles; low back saddle; 3 wagon seats; sleigh runners; hames; collars; bridles; iron wheels; pr. Wood buggy wheels; new seat, new top for single seat buggy; wagon tongues; bug-

gy shafts; buggy steps buggy dashes; horse shoes; neck yokes; double trees; 4 horse eveners; buggy parts; wagon parts; other parts.

BODY SHOP EQUIPMENT & COLLECTIBLES

8 hp. 80 gal 220 air compressor; 10 ton & 5 ton porta powers w/cabinet; large assortment of body tools; 5 ton single porta power; Atlas table saw; Skill 10" band saw; paint guns; air tools (drills, chisels, sanders, polishers, body sanders); electric drills; parts cabinet; log chain; shop fan; truck doors & hoods; extent mirrors for 2008 pickup; Stoddard cast iron seat; sad irons; step stools; 3 speed bike; salt glaze crock; cream cans; lard press; wooden wringer; sad irons; coal buckets; other collectibles.

AUCTION

SATURDAY, AUGUST 26, 2023 — 9:30 AM

Auction will be held at the farm located at 475 Rock Rd. 1 mile South of COURTLAND to Rock Rd. then East 1 1/4 miles.

TRACTOR, TRUCK, CAR, 4 WHEELER, MOWER & MACHINERY

2011 New Holland 55 Work Master front wheel assist gas tractor, 3 pt. hyd w/NH 615 Work Master loader 83" bucket; 2017 Gravelly PT60 0 turn mower; Yamaha Grizzly 450 4 wheeler; 2012 Land Pride PCR 1860 3 pt. 5' mower; IHC grinder mixer has been setting; 3 pt. 4 section springtooth; steel wheel drill; 3 pt. 2 row lister; 3 pt. rear scoop; 2 wheel manure spreader needs floor; IHC 91 self propelled combine 8' header set long time; several pieces of iron; 1955 Ford 1 1/2 ton truck, V8 4 speed w/feed box; 1937 Pontiac suicide door car, floor shift; 1956 Volkswagon 2 door car; 8'x30' cargo storage box.

COLLECTIBLES & HOUSEHOLD

Oak pattern back rocker; bow back high chair; camel back trunk; Topsy stove; assortment pictures; Ford 8000 pedal tractor; pedal Super Hot Rod; bikes; trikes; Toys inc: Massey Harris combine, Tonka toys, metal toys, electric train, Easy Bake oven, Jewel Magic, dolls, Bimbo dancing clown; Nintendo;

planes, ships models; pitcher & bowl; 5 gal elephant ear churn; 2 gal Red Wing churn; 12 gal Red Wing crock; other crocks; wood burning parlor stove; Mercedes car grill; copper boiler; Hobart scales; bakers rack; glass churn; coin op peanut machine; beer signs; beer glasses; wooden barrels; wooden boxes; gas lights; Remington model 5 portable typewriter; child's books; records; Bob Dole & Sebelius buttons; Hills Bros coffee thermometer; Dale Jarrett stand-up; newer metal signs; wash board; Perfection heater; yard art; iron wheels; lightning rods & cable; railroad switch light; railroad light inserts; iron railroad cart wheels; cast iron cistern base; buckets; wood pulleys; Coffeyville bricks; mail boxes; road signs; traps; antlers; horse hames & collars; flower planters; **Household:** Leather recliner dental chair from Delphos dentist; grandfather clock; rocker; wood cabinet; 15 place set Pfaltzgraff china; assortment pictures; games; puzzles; barbecue grill; metal glider; patio table; dehumidifier; Deluxe sewing machine; patio furniture; many other collectibles & household.

TOOLS & LIVESTOCK EQUIPMENT

Hanging horse feeder; round bale feeders; head gate; 2-sided creep feeder; Stihl MS 170 chain saw; gas weed eaters; Craftsman 10" band saw; Craftsman radial arm saw; dust collector; grinder on stand; Craftsman 1/2" drill press; 16" bench scroll saw; 8' aluminum brake; parts washer; cut off saws; nail guns; many air tools; Porto Power; transit level; ladders; C-clamps; saws; hammers; wrenches; wooden planes; Large assortment of hand tools; assortment of tool boxes; large pipe threaders; pickup tool boxes; metal work benches; concrete tools; air bubble; Handy Man jacks; bottle jacks; yard tools; new tractor radio; golf clubs; fishing equipment many rods & reels; new windows; bolt bin cups; bridge planks; platform scales; 8" & 10" 30" gated irrigation pipe; wheelbarrow; 300 gal fuel barrel; live cages; PTO wire winder; T-posts; electric fence posts; wire; enclosed box for race car trailer; 8" & 10" gated irrigation pipe; irrigation tubes; lumber; assortment of other items.

NOTE: This is a large auction. There is a very large collection of tools. For pictures check our website at www.thummelauction.com

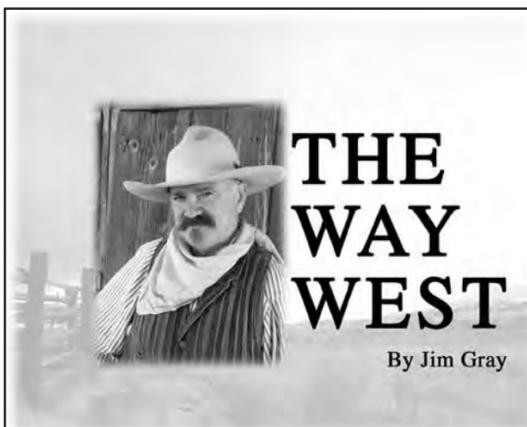
VICTOR HURTIG ESTATE & CARLENE HURTIG

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

NOTE: John has built all of the wagons and buggy's new, they are ready for parades and other use. John also had a body shop and has retired, the equipment came directly from his shop. Check our website for pictures at www.thummelauction.com

JOHN & LINDA WOERNER

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



Enduring Faithfulness

In 1867 Ellsworth, Kansas was the latest railroad boomtown as the Union Pacific Railway Company, Eastern Division built the first railroad onto the Kansas prairies. One thousand men were busy surveying, grading the roadbed, and laying track on a line from Salina, Kansas, to an isolated location west of Ellsworth. Excited workers, merchants, and adventurers were on site weeks before the town was platted on May 4, 1867. Buildings sprang up "like magic." Many newcomers cut holes in the low banks on the north edge of the town, "and covered them with tin, hides, and lumber, anything that would give them shelter for a season." But just as quickly as Ells-

worth's pioneer entrepreneurs appeared, prosperity turned to misery and anguish.

Torrential rains began to fall west of Ellsworth, bringing heavy rain and a sudden surge of water down the already swollen Smoky Hill River on June 8th. Half the town was washed away. As the waters receded, returning to the river banks, Indians raided for horses just outside the town. In a separate incident men were killed west of town. Consequently a local militia of men kept watch in regular relief.

Relentless attacks continued against rail workers west of Ellsworth. Anxious for relief, Superintendent Shoemaker wired the Gov-

ernor on June 28th stating that, "...unless the roads were promptly protected all the workers would be driven off and all the citizens would be forced to leave the region."

June 28th was also the date that the tracks reached Fort Harker. That same day a beef contractor suddenly died of cholera. Several soldiers exhibited symptoms of cholera during the weekend of June 29th and 30th. The terrifying disease quickly spread from Fort Harker to Ellsworth. Everyone who could get away from the disease fled the area as quickly as possible. Ellsworth fell into silence. The population of 1,000 or more quickly dropped to a mere 40 citizens by the middle of July. Work came to a standstill. Long trains stood quietly on the siding with no one to unload the railcars. Bodies of the dead were laid out in the open with no one to prepare them for burial.

The epidemic slowed but continued into August. From the Manhattan Kansas Radical the plight of Elliott (E. S.) Thompson was reported in the August 17, 1867 edition. Thompson was one of hundreds of freighters drawn to the Fort Harker/Ellsworth frontier for financial gain. Freighters and their long wagon trains provided

daily displays of the flair and skill of government muleskinners and bullwhackers, and when they weren't working Ellsworth was a teamster's favorite resort. The frolic rolled on and the whiskey poured forth.

Thompson had two "trains" of wagons on the road traveling west along the Smoky Hill Trail. He was with one of his trains when he was "attacked with cholera" on Monday, August 5th. The wagon train was "corralled" at Wilson's Creek (approximately three miles southwest of present-day Wilson, Kansas).

At the nearby camp of a railroad contractor by the name of Emery, J. W. Hart had earned a reputation for healing. The men had taken to calling him Doctor. After he had restored a man from a cholera attack. "Dr." Hart was taken to Thompson the very day that Thompson had come down with debilitating cramps. Hart employed the "Baumscheidt treatment," a German practice of massage and natural therapies that had served him well in his previous practice. "At three o'clock on Tuesday morning Thompson sprang out of bed, after a few hours sleep and said, 'boys I am well!'"

Thompson requested to be taken back to Ells-

worth to continue his recovery. But the bustling atmosphere at end-of-track Ellsworth was far from welcoming. The busy denizens of the frontier town paid no attention to Thompson's need. Every single room was taken up and he could not find a benefactor to take him in. He was forced to buy a tent to obtain shelter from the elements. Hart continued Thompson's treatment with nourishments of beef tea and brandy. The Kansas Radical gave full credit to the "nursing and faithful attention," of Mr. Hart. Even so, Dr. Mott was called in. "Under his treatment the patient seemed to decline, and on Friday morning Thompson asked to be taken to Manhattan where he believed better shelter, hospitality, accommodations, and skill could be obtained.

Thompson and Hart arrived in Manhattan Saturday August 10, 1867. But the hospitality that Thompson expected proved to be a delusion. By the time a home was secured Thompson was greatly weakened. He passed away Saturday evening and was buried in the Manhattan cemetery on Sunday August 11th.

During the entire series of events Mr. Hart never left the side of his patient. At Thompson's passing Hart gave in to his

own frailties. Exposure and anxiety, combined with constant and almost sleepless attention finally brought him down. Manhattan doctors bestowed the best of attention on Mr. Hart, bringing the report several days later that the "Dr." who nearly sacrificed his own life for that of a stranger was on the mend 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.

Don't Delay!



You don't want to miss an advertising opportunity!

Get your ads for Grass & Grain in on time!

Finalized ads must be received before:
1st Section ads:

12:00 p.m. Wednesday

Classified Liner & Display ads:

10 a.m. Friday

All other Display ads:

12:00 p.m. Friday

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 - 5,177

BULLS: \$134.00-\$146.50

COWS: \$115.00-\$127.00

STEERS

300-400	No Test
400-500	\$309.00 - \$320.00
500-600	\$300.00 - \$308.00
600-700	\$280.00 - \$293.50
700-800	\$260.00 - \$271.75
800-900	\$249.00 - \$261.50
900-1,000	\$233.00 - \$245.50

HEIFERS

300-400	\$304.00 - \$315.00
400-500	\$280.00 - \$294.00
500-600	\$270.00 - \$280.50
600-700	\$257.00 - \$269.00
700-800	\$239.00 - \$249.50
800-900	\$230.00 - \$241.00
900-1,000	\$220.00 - \$233.00

MONDAY, AUGUST 7, 2023

CALVES

4	blk	Salina	250@575.00
5	blk	Salina	269@550.00
1	blk	Salina	170@525.00
1	blk	Wilsey	215@525.00
4	blk	Salina	208@510.00
1	blk	Wilsey	125@375.00
1	blk	Geneseo	115@300.00

BULLS

1	Char	Longford	1805@146.50
1	blk	Concordia	2080@143.00
1	blk	Roxbury	1550@143.00
1	blk	Lindsborg	1765@138.00
1	Char	Hillsboro	1910@138.00
1	blk	Tescott	1845@137.50
1	blk	Wilson	2085@137.00
1	bwf	Brookville	2240@136.00
1	blk	Minneapolis	2085@135.00
1	blk	Hutchinson	1990@133.50
1	blk	Minneapolis	1975@132.50
1	blk	Wilson	1430@119.50

COWS

1	blk	Lindsborg	1795@127.00
1	Red	Geneseo	1310@126.00
1	Char	Salina	1420@125.00
1	bwf	Hillsboro	1475@124.00
4	Char	Hillsboro	1464@124.00
1	Char	Hillsboro	1715@124.00
2	mix	Tampa	1318@124.00
2	blk	Hillsboro	1603@123.50
1	blk	Geneseo	1440@123.00

1	Char	Hillsboro	1575@123.00
1	blk	Smolan	1520@122.00
1	Red	Hillsboro	1535@122.00
1	Red	Randolph	2005@122.00
1	blk	Wilsey	1620@122.00
1	blk	Lindsborg	1285@121.00
1	blk	Bennington	1365@121.00
5	blk	Concordia	1525@121.00

THURSDAY, AUGUST 10, 2023

STEERS

2	blk	Galva	420@320.00
6	mix	Tescott	453@319.00
2	Red	Hoisington	425@315.00
16	blk	Lindsborg	567@308.00
3	blk	Galva	472@302.00
3	blk	Ramona	542@299.00
5	blk	Brookville	481@294.00
4	blk	Little River	628@293.50
5	blk	Ellsworth	594@292.50
2	blk	Aurora	518@290.00
6	mix	Manhattan	570@282.00
36	blk	Lindsborg	672@281.50
13	mix	Beloit	675@281.00
9	mix	Salina	663@278.00
5	blk	Ramona	659@277.00
6	blk	Marion	680@274.00
3	blk	Marion	643@273.00
11	blk	Beverly	642@273.00
61	mix	Tescott	706@271.75
9	blk	Galva	641@271.00
34	blk	Tescott	716@269.00
50	blk	Tescott	787@266.25
16	blk	Beverly	740@265.00
17	blk	Solomon	783@262.25
5	blk	Little River	802@261.50
11	mix	Marion	770@261.25
22	blk	Abilene	797@261.00
66	blk	Tampa	796@260.75
6	blk	Junction City	799@260.50
145	blk	Florence	765@260.50
7	blk	Abilene	774@260.00
6	mix	Solomon	758@259.00
5	blk	Aurora	733@259.00
6	blk	Marion	707@259.00
8	blk	Marion	791@258.50
17	mix	Lorraine	729@258.50
63	blk	Tampa	836@257.75
62	Red	Erie	818@252.00
129	blk	Erie	823@249.25
173	blk	Erie	864@247.85
56	blk	Hope	888@247.50
116	blk	Erie	870@247.00
67	blk	Winfield	907@245.50
69	blk	Uniontown	926@244.50

IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- Heavy Duty Feed Bunks

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

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

THURSDAY — CATTLE ONLY

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

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD

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

CATTLE USA.com LIVE CATTLE AUCTIONS

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



**LAST CHANCE to get your Colts & Horses
Consigned for Farmers & Ranchers
FALL CLASSIC HORSE SALE
OCTOBER 14-15, 2023**

Early Consignments For THURSDAY, AUGUST 17, 2023

230 red angus steers, 800-875, off grass; 252 steers, 800-850, off grass; 240 steers, 900-1000, off grass; 120 steers, 750-800, off grass; 90 black steers & heifers, 550-600, home raised, long time weaned, 2 round vaccinations, open, no implants; 200 black/bwf steers & heifers, 600-800, 2 round vaccinations, home raised; 13 mix steers & heifers, 600-650, weaned April, 2 round vaccinations; 5 steers & heifers, 650-800, off cow; 27 steers & heifers, 650-800, off cow; 12 heifers, 700-750, long time weaned, off grass; 10 steers & heifers, 550-650, home raised, long time weaned; 60 mostly black steers, 850-875, off grass; 10 black steers & heifers, 600-750, home raised, 1 round vaccinations, open, off grass; 75 heifers, 675-700, weaned, open, vaccinated; PLUS MORE BY SALE TIME.

33	mix	Grenola	907@242.75
61	blk	Winfield	1003@240.00
56	blk	Uniontown	1022@237.75
106	mix	Uniontown	1013@235.00

HEIFERS

2	mix	Canton	373@315.00
21	mix	Salina	345@306.00
2	mix	Canton	305@306.00
9	mix	Salina	407@294.00
6	blk	Brookville	413@285.00
17	blk	Beloit	561@280.50
13	mix	Salina	469@279.00
6	mix	Canton	455@279.00
2	Red	Manhattan	423@278.50
4	blk	Beloit	441@278.00
16	blk	Beloit	583@277.50
4	blk	Galva	458@276.00
9	blk	Lindsborg	578@275.00
9	blk	Clay Center	533@274.00
14	mix	Canton	525@270.00
36	blk	Tescott	664@269.00
5	blk	Ellsworth	605@268.00
3	Red	Hoisington	522@267.00
2	mix	Manhattan	533@267.00
23	blk	Tescott	616@264.00
6	mix	Manhattan	633@263.50
2	blk	Ramona	635@260.50
12	mix	Salina	607@260.00
12	blk	Clay Center	685@256.50
10	mix	Eskridge	595@256.00
25	blk	Lindsborg	664@255.50
9	blk	Inman	676@255.50
10	blk	Marion	679@254.00
7	mix	Solomon	691@253.50
36	mix	Gypsum	668@252.50
18	blk	Beverly	685@252.00
12	blk	Solomon	693@251.50
11	blk	Beloit	691@250.50
3	mix	Lorraine	652@250.00
6	blk	Solomon	611@250.00
8	mix	Tampa	696@249.50
5	blk	Grenola	707@249.50
19	mix	Waldo	737@246.50
64	mix	Assaria	728@246.25
17	mix	Eskridge	703@245.00
5	blk	Junction City	700@245.00
71	mix	Gypsum	740@244.75
70	mix	McPherson	768@243.50
140	mix	Assaria	741@243.25
10	blk	Beloit	831@241.00
5	mix	Solomon	825@240.00
66	blk	Ada	830@238.50
8	blk	Junction City	825@237.00
64	mix	Wilsey	832@236.00
64	blk	Whitewater	847@234.25
34	mix	McPherson	835@234.00
59	mix	Wilsey	908@233.00

For Information or estimates, contact:

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

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

Jim Crowther
785-254-7385
Roxbury, KS

Lisa Long
620-553-2351
Ellsworth, KS

Cody Schafer
620-381-1050
Durham, KS

Kenny Briscoe
785-658-7386
Lincoln, KS

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

Austin Rathbun
785-531-0042
Ellsworth, KS

