# Since 1954 <br> AGRICULTURE'S LOCAL NEWSPAPER 

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Healing veterans, healing the land - KLICA donates work to SAVE Farm

By Donna Sullivan, Editor
Healing - that is the Healing - that is the
primary mission of SAVE Farm near Riley; healing for the hearts and minds of veterans impacted by
war as they defended and war as they defended and
protected our nation. Servicemember Agricultural Vocation Education is
what the acronym stands what the acronym stands for, and the healing goes land itself as they work their sustainable agriculture program.
The idea for SAVE Farm began in 2012 when Grange and his daughter Shari used beekeeping as therapeutic training for soldiers from Ft. Riley. It occurred to them that agriculture training could be
of benefit to not only the veterans, but the ag industry itself. With the average age of farmers approaching 60, farm succession is of increasing concern. have family members with farming backgrounds, and many of the veterans have skills that could transfer well to agriculture.
Retired Major General
Tod Bunting now serves as chairman/CEO of the organization. In 2017 they entered into a lease
agreement to farm 308 agreement to farm 308
acres near Riley and in 2020 the group was able ty through a conservation loan and in cooperation with the Nature Conservancy. According to Bunting they've grown wheat a sorghum plot this year and have money through a grant to also grow corn and soybeans, which they hope to do in the future. They practice intense rotational grazing.
Since its inception between five and six hundred veterans have gone hrough with a minimum 20 -week $18-20$ hours per week of instruction. A team of fou primary instructors lead the modules, Pat Murphy Dr. Lucinda Stuenkel, Eric They also utilize guest in structors and Bunting says they can always use more. Recently, the farm was the beneficiary of work donated by the Kansas Land Association (KLICA). Exec utive Director Jon Unger-


With equipment donated by area businesses and labor donated by Kansas Land Improvement Contractors Association (KLICA), a tile outlet terrace system was installed on SAVE Farm near Riley,
er described meeting LaGrange at their state con-
vention several years "Our membership was re ally moved and touched by their talk and they stayed around and talked to our directors afterward," Ungerer said. "They said they
were buying this farm and it was going to need some work. Our directors said, That's right up our line, and agreed to help them. Ungerer said KLICA mem-
bers went out a few years ago and did some work and discussed what needed to be done on the cropland. "It evolved from there," he continued.
July they began work on a tile outlet terrace system, installing five tile lines and constructing a little over 10,000 feet of corresponding terraces
throughout the following throughout the following
week. The pipe was donated through a LICA Association member and the labor and equipment was also donated by members.

Kansas farm real estate value up 25\%
Kansas's farm real estate value, a measurement of
the value of all land and buildings on farms, increased from 2021, according to USDA's National Agricultural eraged $\$ 2,630$ per acre, up $\$ 530$ per acre (up $25 \%$ ) from last year.
Cropland value increased $24 \%$ from last year to $\$ 2,950$ per acre. Dryland cropland value averaged $\$ 2,850$ per acre, $\$ 600$ higher than last year. Irrigated a year ago. Pastureland, at $\$ 1,850$ per acre, was $\$ 350$ higher than the previous year
Cash rents paid to landlords in 2022 for cropland increased from last year. Irrigated cropland rent av-
eraged $\$ 143.00$ per acre, $\$ 4.00$ above last year. Dryland cropland rent averaged $\$ 61.50$ per acre, $\$ 3.50$ higher $\$ 21.00$ per acre, $\$ 1.00$ above the previous year
County level averages of 2022 cash rents paid to
landlords will be released on August 26,2022 and will be available through NASS Quick Stats, located http://quickstats.nass.usda.gov/.
Access the national publication for this release at
https://usda.library cornell edu/concern/publica tions/pn89d6567
Find agricultural statistics for yo
and the nation at www.nass.usda.gov
fold,"Bunting said. "First being geod serious about the land. The work made that field more efficient, to hold water the best we can and minimize soil erosion Second, when we deal with
our veterans, we show them who all at some soint in time has donated their time, talent or treasure people in every discipline it possible for them to it possible for them to
come here and train. Peo ple who will never meet ple who will never meet sure this farm is well-man aged and keeps going so you can have a place to
come and train and heal come and train and heal a good way to manage the land and show veterans hey are cared for.
Bunting said they have had students graduate the
program and start their program and start their
own farms, work for other farmers or take jobs in the ag industry. They often have farmers contact them anting to hire some

## EPA requests petition for partial rehearing in

 glyphosate litigation
## ted a petition to the Ninth

 Circuit Court of Appealsrequesting a partial re hearing of the three-judge panel's June 17 ruling on the glyphosate interim de-
cision. In that ruling, the panel vacated the interim decision's human health risk assessment and sent back the ecological risk assessment to EPA to com
plete an Endangered Spe plete an Endangered Spe
cies Act analysis by October 1. It is regarding this remand of the ecological portion of the interim decision for which EPA is seek ing a partial rehearing.
In its earlier ruling the court panel directed EPA to issue a new ecologica risk assessment, presum ably including a finalized ESA analysis, by October 1 partial rehearing EPA a partial rehearing, EPA
points out that to finalize an ESA consultation is a multi-year process, for which the panel granted tionally, finalizing an ESA consultation requires EPA to coordinate with both the Fish and Wildlife Servic and the National Marin ories Service, neither of which are parties to the
lawsuit or are subject to the court's order. As a result, EPA cannot comply with the court's order, as it relies on cooperation from parties
control.
EPA requested that the court grant the rehearing oo, preferably, consider lifting the October 1 dead-
line. If the court is unwill ing to do so the agency requested the court vacate the interim decision in its entirety since it cannot comply with the order as it stands. EPA also suggested
it may withdraw the ecological portion of the inerim decision if the court does not lift the deadline or vacate the interim deision.
Amer
American Soybean Association is party to the
litigation and is ing to carefully monitor the case for developments. Additionally, ASA is regularly seeking additional
advocacy opportunities to dvocacy opportunities to slyphosate and other vital crop protection tools.


The Tricked Out Trick Riders put on an impressive show during the Wild Bill Hickok Rodeo in Abilene at the Central Kansas Free Fair. at Photo by Shelby Mall
races and the tile works," she said. And it accom-
modates the equipment o today, compared to many decades ago with this farm was first terraced." came out and volunteered their time for us," she said. "It's a very, very good thing to support our veterans." "They volunteered their time and effort to
do this because they think do this because they think
SAVE Farm is a worthy organization, training our nation's veterans," Unger er said.
Those
Those contributing to the SAVE Farm project

- Foley Equipm

320 Cat Excavator Berry Tractor
$\stackrel{0}{\text { Dozer }}$
Murphy Tractor Motor Grader

KanEquip
$\stackrel{\text { cavator }}{-}$ Modern Ag
o Satellite GPS sysPrins/UFG $\$ 500.00$ donation age Systems, Inc Pipe
J\&J J Products $\stackrel{0}{0}$ Corrugated Meta Pipe End Pieces Schletzbaum Construction, LLC
0 Risers
SAVE Farm Construction Time Assistance $\quad$ Joe Schletzbaum Joe Schletzbau
Paul White Kent Henderson Steve Dick Keith Babcock Brad Mullen
Jeff Schell Jeff Schell
Dave Orear Dave Orear


Photos by Donna Sullivan
trained.
"In five months we ar "In five months we ar-, sas Association of Conser$\begin{array}{ll}\text { ent working miracles, } & \text { vation Districts (KACD) } \\ \text { Bunting pointed out. "But } \\ \text { is very valual }\end{array}$ $\begin{array}{ll}\text { Bunting pointed out. "But } & \text { is very valuable. "Being a } \\ \text { we will graduate trained } & \text { good steward of the land }\end{array}$ apprentices, then farmers is so important," she said. can take them to higher "We've got to take care of levels from there."
Melissa Wahl, who is a we have." She said
the work done by KLICA what we have." She said
the work done by KLICA on Save Farm is "ruly
something to see. "It is something to see. "It is

A Sticker of Satisfaction

## By Glenn Brunkow, Pottawatomie County farmer and rancher

 I am writing this on the ay of the primary elec-ions, complete with my
I Voted" sticker "I Voted" sticker on the
left pocket of my shirt. I left pocket of my shirt. I
am proud to say that I exercised my right to vote,
and, in my mind, I made all the right choices. To my knowledge I have parsince I turned 18, and I
intend to exercise it every opportunity I get for the
rest of my life. I don't know if you have noticed but we are at a
serious crossroads in the history of our great nation. ercising the right to vote
even more critical now than ever. That is especialagriculture. We are an ev-
er-shrinking number, and er-shrinking number, and we can get to make our
voices heard; that is espevoices heard; that is espe-
cially true when it comes cially true whe
to the polls.
That is also why it is
so critical for each of us as Farm Bureau members to get involved with Vot-
ers Organized To Elect Farm Bureau Friends, or
VOTE FBF. First, let me encourage you to support it monetarily. The dollars
are used to support candidates friendly to agriculture and are only generated through donations from members. It doesn't have
to be much if each of us to be much if each
More importantly get
involved in the county proinvolved in the county pro-
cess to decide which cancess to decide which can-
didates to support. Like Bureau, the decision of which candidates to sup-
port starts at the county level. Increasingly we are
seeing candidates recog-

4-H ambassadors serve as leaders, role models in their community
By Annika Wiebers, K-State Resea
and Extension news service
To be an ambassador is to represent a specific group
organization to the public, but for the hundreds of 4-H ambassadors across Kansas, it means much more than
Kyanna Lankton, a Coffey County 4-H ambassador said group members "serve as youth leaders and help
organize many different events through the $4-\mathrm{H}$ year. We work to reach out to the community to promote the $4-\mathrm{H}$
program, and perform community service projects."
This year, she notes, the Coffey County group hosted contest to see which 4 -H club could collect the most baby items, then donated the items to those in need.
$\qquad$ Coffey County $4-\mathrm{H}$ and the community better to see the ambassadors doing good deeds."
According to Lankton, 4-H ambassadors promote and support their local $4-\mathrm{H}$ program through such activi
ties as 4 -H Days, TV or radio appearances, community ties as 4 -ro Days, TV or radio appearances, community ceremony at the fair, and announcing during the end of year banquet.
"Every year, the ambassadors host a fun event to kick off the county fair," Lankton said. "Previously we have kickoff party with yard games and lemonade for social

More than a Neighbor: Josh Mueller

Collecting the Checkoff. Managing the Checkoff. As a rancher, auction market owner and Kan
sas Beef Council Execu sas Beef Council Execu-
tive Board member, Josh Mueller sees his Checkoff dollars, as well as those of his family, neighbors and customers, advance the
beef industry at each step beef industry at each step
along the way. He joined along the way. He joined
the KBC Executive Board more than four years ago and is honored to sit with cattlemen and women mom across the state. Mueller runs a small
cow herd, offers custom grazing, custom backgrounding and cattle feeding with his father. Additionally, he and his wife own El Dorado Livestock
Auction as well as being Auction as well as being
an order buyer and representative for Superior Livestock Auctions for the past 20 years. Mueller works with multiple seg-
ments of the beef industry


We are in the dog days of summer. Okay, when I said that out loud Roo, the cow dog, looked up from her nap on ser dog Eed, growled and went back to for the blazing hot weather we have been having. I guess the extreme hot and cold serve the purpose of making us appreciate the four or five nice spring and fall days we get each year.
While it has been miserable weather to be outside, it has been good weather for putting up hay. Well, even that is as long tractors. I had the compressor go out in my baling tractor and it was hard on this fat guy. I thought I could gut it out his fat guy. I thought I could gut it out but ater an I wing wis open, I pored my melted self out of I and id evening rehydrating. I promise I did not forget to call the mechanic the
to get that problem fixed.
to get that problem fixed.
I know, years ago we baled little square I know, years ago we baled little square
bales with open station tractors. All I bales with open station tractors. All I
can say is that I am not that tough, and I really appreciate cab tractors, round balers, and air conditioning. That is, I appreciate 'them when they work, when they don't give me a tractor without
a cab any day. I know I am soft, and I cab any day. I know I am soft, and I freely admit it. That is a case where
the good old days maybe weren't so the good old days maybe weren't so good after all. I got in on just enough of
that to realize just how good I have it that to realize just how good I have it now, although my doctor would probably argue for small square bales each year when I get my physical.
One thing about this haying season is that I have a new appreciation for it. I have always liked baling hay - well, that is when things are going well. There is something satisfying about baling hay and putting it away for the winter season. I guess I am weird that way, but
there are few things that bring me more joy than a full baleyard. This year it is especially satisfying because after sitting on the sidelines for a couple of months it is nice to get back to the swing of things. I am nearly back to full speed, which is absolutely amazing to me. A year ago, f you had told me I would get my hips
in two weeks I would have laughed at you. Now, nine weeks after the first hip and five weeks after the second hip I am nearly healed, and I have a greate appreciation for being able to do what love to do. I did not realize just how bad I was in pain or for how long I was.

It's too bad it takes something like that to make us appreciate just how good our lives are. Maybe you are differ ent, but I tend to be so busy living my life that I forget just how good I have it and how much I love doing what I am doing. Now I am excited to climb up in the cab everyday and I get to make hay
Sitting and watching others do your job Sitting and watching others do your job
makes you realize just how much you makes you realize just how much you
miss it. If it doesn't maybe you are in miss it. If it doesn't maybe, you are in
the wrong profession. I guess that is a message we all need to hear these days. I swear everything I see on the news is bleak and you have to wonder what is going on with our world. I know I do, and I was especially when I was recuperating. It is too easy to get Ourselves down, to believe there is noth
ing to celebrate. I am here to tell you ing to celebrate. I am here to tell you there is more right in this world than
there is wrong, you just have to know there is wrong, you
where to look for it.

I found it sitting in my tractor seat mowing hay, in the smell of the freshly mowed grass or watching the cows on pasture. I hope that you find that joy and satisfaction with your job. I hope you can see a path to better times or to be able to stop and realize that right now is one of those better times. I know
I find moments of happiness and joy in my work, and I have a new appreciation for those moments now.
Sure, there will also be plenty of those times when you question your choic of occupations. I still have those times to. Maybe it is just the renewed cool of it sure doesn't hurt my mood. I would guess it has more to do with my return to good health and the time away that makes me appreciate what I do. Even the heat
$\begin{array}{ll}\text { very day. } & \text { er than any other input } \\ \text { His career has afford- } & \text { on a percentage basis. If }\end{array}$ His career has afford-
ed Mueller a front-row
seat to the progress in the
beef community over the
last several decades. He
started buying cattle in
high school but knew long
before his career would
be in the cattle industry.
"I've been in the business
for 30 years and you can
just see the progress,"
Mueller said. "With ev-
erything we are involved
in, maybe we see it more
than others, but I think
we've made tremendous
strides," Mueller said.
Mueller credits the
decades of progress to
the Kansas Beef Council
(KBC) and the Beef Check-
off. "I strongly believe,
without the Checkoff, beef
producers would be light
years behind other pro-
teins in market share," he
said. "It has been proven
through economic stud-
ies the return on investyou're open-minded you
can just see it: the awareness of beef and how it's used, the research that the different cuts of meat that have been developed. The Checkoff has created
more demand" more demand." Specifically, KBC re-
cently funded research supporting a campaign with which we are all too familiar. "A taste comparison between beef and alternative protein
substitutes showed consumers overwhelmingly chose ground beef over
plant-based alternatives. K-State published the research results," Mueller
said. "While obvious to many of us, this research will be used in combination with the nutritional information to further solidify beef's place on
healthy plates around the heal

"What brings you back Jake? Another dry spell or a gis you back Jake? Anothor dr
break in the ilvestock market?
versations with cattlemen about the role KBC plays.
"I like to expresc II like to express to them the power of their dollar and we have with the Cattleman's Beef Board and Federation of State Beef Councils as well as partnerships with other states that make our inv
go further." go further.'
More
Mueller is passionate about seeing the beef industry succeed and keeps
that at the forefront of all that at the forefront of all aspects of his job. "It's
very important to me producers realize the KBC board is made up of fellow beef farmers and ranchers just like them, from var ious industry segments,
and what we do affects our operations the same as theirs," Mueller said. He does not take lightly
the responsibility of manthe responsibility of man
aging Checkoff dollars aging Checkoff dollars.
He reiterates the meticuHe reiterates the meticuplace to ensure the money collected from producers sibly.
"Our role at the auction market of both collecting the dollar and then also remitting those funds to KBC is crucial to the sys-
tem," Mueller said. "I can tem," Mueller said. "I can pate knowing not only make it toir investment place but that it is also spent wisely with a great deal of thought and pur
pose." Everyone in the bee to play in the Beef Checkoff. Whether it's paying, collecting or managing dollars, there is a need
for people like Mueller for people like Mueller
who are willing to have the tough conversations,
volunteer their time and volunteer their time and
keep moving their herds and the industry forward.

"OUR PLACE?... GOTHREE MILES THATDIRECTION, TURN LEFTATTHE CONVENIENCE STORE, AND THEN JUST FOLLOW THE BEER CANS."


## GRASS \& GRAIN

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Governor cuts ribbon on North America's largest wheat protein plant
oined Amber Wave, a leader in sustainable agriculture, food ingredients, and low-carbon fuels, to
cut the ribbon on a stateof the-art wheat protein of-the-art wheat protein
ingredients facility in Phillipsburg that will be the largest wheat protein producer in North America within two years. The
company is investing more company is investing more
than $\$ 250$ million into the facility and is creating more than 60 new jobs as it ramps up to full capacity. The ribbon-cutting
comes during the Govercomes during the Gover-
nor's Prosperity on the Plains tour promoting economic development in Kansas.
"Kansas is known for its high-quality wheat, and this cutting-edge facility petitive edge we have in the market," Kelly said. "Now Kansas wheat farming families will have massive direct buyer close baking, and met food com panies are able to have their wheat needs met here in Phillipsburg. This investment shows why our constant efforts to bring businesses to Kansas mat-
Music from the ${ }^{\mathbf{6}}$ An 18-member orches-
tra that has performed for tra that has performed for
notables that include President George W. Bush and Luciano Pavarotti is coming to the Flint Hills for a special concert
On Saturday, August 27, the Great Plains Jazz Big Band Jazz and music from "The Great American Songbook" on the shaded lawn of Pioneer Bluffs
near Matfield Green. Doors open at 6:30 p.m. and the 90 -minute concert begins at 7:00 p.m.
The Great America Songbook features the most important and influ jazz standards that have stood the test of time. The Great Plains Jazz Orchestra includes vocalists reminiscent of Frank Sinatra, Sammy Davis Jr, and perform familiar tunes such as Mack the Knife, The Lady is a Tramp, and Young and Foolish.
The Great Plains Jazz claimed ensemble unde the direction of Keith Woolery. "We look forward to sharing our music with he people of the Flint

Beyond Meat cuts sales forecast

## Beyond Meat cuts sales forecast

 cast for the year and an- the growth of the category Meat chief executive nounced job cuts as rising ny's efforts to make its pricier plant-based meat more affordable for con sumers, Reuters reports.


Gov. Laura Kelly, center, was joined by U.S. Senator Jerry Moran; Kansas Rep. Ken Rahjes, Kansas ag secretary Mike Beam, David Toland, other dignitaries and representatives of Amber Wave in cutting the ribbon on a new wheat protein ingredients plant in Phillipsburg.
$\begin{array}{ll}\text { owner and community } & \begin{array}{l}\text { Governor and Secretary of } \\ \text { member benefits." }\end{array} \\ \text { Commerce David Toland will use the latest }\end{array}$ The plant's location commerce David. "Amber Wave's facil- ing and protein wheat millputs it in the heart of the ity underscores Governor while creating a significountry with rail access to Kelly's continued commit- cantly lower carbon foot both coasts and core Mid- ment to increasing pros- print than traditional corn west customers for the di-
verse variety of products $\begin{aligned} & \text { perity in all areas of the } \\ & \text { Kansas." }\end{aligned} \begin{aligned} & \text { ethanol plants to produce } \\ & \text { biofuels. }\end{aligned}$ being made in Phillips burg. All the in Phillipsburg. All the wheat Amber
Wave needs is grown withWave needs is grown with- $\begin{aligned} & \text { In addition to building a mill and vital wheat } \\ & \text { "Recognizing the rising } \\ & \text { demand for high-protein }\end{aligned}$ in 100 miles of the plant. gluten plant, the compa- ingredients and innova "This is a big win not Prairie Horizon Agri-En- pled with renewable fuels just for Phillipsburg and ergy corn-based ethanol that reduce our carbon western Kansas but the plant to produce ethanol footprint, this investment entire state," Lieutenant from wheat starch. The fits with what we have
'Great American Songbook" to be at Pioneer Bluffs


An 18-member orchestra will present music from The Great American Songbook on Saturday, August 27 at Pioneer Bluffs near Mattield Green. Courtesy photo same sentiment as former program. Reservations re- Falls or one mile north of president George W. Bush, quested, but not required. Matfield Green. who exclaimed after our For reservations or addiperformance, 'I love the tional information, contact band; this was great entertainment!'"
Cowboy pared with caviar, prefood by Che ham, will be served Graham, will be served, along
with ice cold bottled with ice cold bottled
water. A cash bar will be available. In case of inclement weather, the concert will be held in the loft of the Pioneer Bluffs barn. Lynn Smith at lynn@pio-
neerbluffs.org or $(620) 753$ neerbluffs.org or (620) 753 at pioneerbluffs.org or on the Pioneer Bluffs Face book event page.
The mission of Pioneer The mission of Pioneer
Bluffs is to preserve and share the ranching herithage of the Flint Hills. A National Register Histor ic District, Pioneer Bluffs is on Flint Hills Nation-
 GRASS\& GRAIN:

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Millie Conger, Tecumseh, Wins This Week's Contest And Prize winner Millie Conger, Tecumseh:
SCRAMBLED EGGS CUPS
20-ounce package refrigerated-style hashbrown potatoes (Southern-style)
$1 / 4$ cups shredded Monterey Jack cheese, divided 6 large eggs

## $1 / 8$ teaspoon salt 1 tablespoon butter

10 thick slices bacon, cooked \& crumbled
Preheat oven to 400 degrees. Combine potatoes and $3 / 4$ cup cheese. Divide into 12-cup muffin tin. Press down and
have on bottom and sides. Bake until golden brown, about 30 minutes. Mix eggs, milk and salt. In a large skillet melt butter then pour in egg mixture. Cook and stir eggs until done. Stir in bacon. Spoon into cups and sprinkle with renaining cheese. Bake until cheese is melted, 3-5 minutes. Cool 5 minutes before serving.
Jackie Doud, Topeka: Combine cream cheese
NO-BAKE SNOW BALLS 8 ounces cream cheese 8-ounce can crushed pin apple, well drained 1 cup chopped $\mathbf{p}$
3 cups coconut
working in the kitchen, sometimes the temptation is to snack on the ingredients while we are cooking. bite of delicious dough when mixing up a batch of cookies?
But what does that mean when it comes to eating frozen foods like
a kernel of corn as it hits the cooking pan? the cooking pan? the package directions to make sure the food is cooked to the proper endpoint temperature," said
Sandy Procter, a K-State Research and Extension Research and Extension zen corn was packaged
with the intention that it

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## 800-373-9559


Jim- The Answer Man!

always read it, but the label says cook before serving or something similar."
Oftentimes the micro wave is the choice for families working with frozen foods. Procter reminded consumers of the importance of proper sanitation following defrosting and
cooking in the microwave. "If the last thing the "If the last thing the
microwave was used for was to defrost raw meat, there may be some juices dried on the surface that make it unsanitary," she said. "So, a good practice is to use a disinfecting
wipe to clean out the miwipe to clean out the mi-
crowave after each use to and regular sanitizing of food preparation surfaces
are also important arac are also important practices t
said.
 The food that comes soon as we move it from the freezer the food is at risk for contamination if we don't handle it proper
ly," she said. ly," she said.
Another food safety
minder is knowing the temperature danger zone for food before it puts Consumers at risk for food poisoning. "We say food is in the temperature danger zone
when it is between 40 to 140 degrees Fahrenheit for more than two hours," Procter said. If food is outside on a 90 degree o warmer day, Procter that
time span shortens to one time span shortens to one
hour. Another risk in food preparation is not bringing food to the proper internal endpoint tempera-
ture, said Procter so ture, said Procter, so she
advised reading the direc-

## Proper Handling Of Frozen Food Is One Part Of Food Safety Plan

## Kellee George, Lenexa: ROAD HOUSE 2 tablespoons salt 2 teaspoons brown sugar 1 teaspoon black pepper $1 / 2$ teaspoon paprika $1 / 2$ teaspoon chili powder 1/4 teaspoon garlic salt $1 / 4$ teaspoon onion powder 1/4 teaspoon turmeric In a bowl mix all ingre dients. Place ingredients dients. Place ingredients in a gallon zip-lock bag. Shake well each time you use well each time you use some to keep mixed. Note: Great seasoning NOTE: Great seasoning for steaks before you grill them. Let stand on meat few minutes before Kimberly Edwards, Still , Oklahoma: SLOPPY JOE 1/4 cup chopped onion $1 / 2$ teaspoon garlic powder $3 / 4$ cup ketchup 3/4 cup ketchup 2 teaspoons tomato paste $21 / 2$ teaspoons Worcest shire Sauce $21 / 2$ teaspoons brown suga <br> onion. Add remaining in- gredients. Let simmer a few gredients. Let simmer a few minutes. Serve on buns or toasted Texas Toast. <br> Rose Edwards, Stillwaer, Oklahoma: BLT MUFFINS BLT M cups flour 1 tablespoon baking powde 1 tablespoon sugar cup milk <br> 1/2 cup mayonnaise <br> bacon crumbled \& cooked | bacon |
| :--- |
|  | <br> plum tomatoes <br> Set oven to 400 degrees. <br> In a bowl combine flour, baking powder and sugar. In another small bowl whisk milk and mayonnaise Stir milk and mayonnaise. Stir into dry ingredients just into dry ingredients just until moistened. Fold in untio moistened. Fold in muffin cups two-thirds full. Use greased muffin tin or ine with paper liners. Bake 0-25 minutes or until toothpick comes out clean. Let ing. Serve warm with piece ing. Serve of lettuce.

 $\begin{array}{l}\text { Refrigerate } \\ \text { night. }\end{array}$ hours or over- $\left.\begin{array}{c}\text { Salt \& pepper to taste } \\ \text { Brown ground beef an }\end{array}\right]$ Combine cream cheeseand pineapple. Fold in pecans. Cover and refrigerate 1 hour. Roll into 1 -inch balls and roll in coconut. Refrigerate 4 hours or over- uidance. "Checking the label and reading the instruc-
tions even on familiar tions even on familiar
products is important products is important
because
manufacturers don't have to tell us when they make changes to how the food should be prepared," she said. "We have the safest food supimportant that we know how to handle that food safely, as well." To learn more on this topic, Procter recommended checking out
K -State's Rapid Response K-State's Rapid Response edu/) or their local Extension office.
She also encouraged families seek information at the foodsafety.gov web-
site regularly for site regularly for poten-
tial food recalls. Another tial food recalls. Another
resource for families is the USDA Meat and Poultry Hotline, 1-888-674-6854 or chat live at ask.usda. gov from 9 a.m. to $5 \mathrm{p} . \mathrm{m}$,
Central time, Monday

##  <br> Back to School Shopping...

## Where Did the Summer Go?

## By Julie Smith, Family Resource Management and

 Entrepreneurship Agent, Wildcat Extension District The older I get, the faster the summers seem to go. Ifeel like I was just attending graduation parties yesterfeel like I was just attending graduation parties yester-
day, but my daughter starts her sophomore year of high day, but my daughter starts her sopho
school in just over two weeks. Yikes!
If summer went just as fast for you, odds are you have ping. Even if you have not planned well this year, here are some tips to consider as your family prepares for the 2022-23 school ye

1) Inventory your home first. There may be items on the supply list that you already have and will not need to
2) Compare prices. It is tempting in today's world to

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Keep in mind though that brick and mortar stores keep
our local economies healthy and many stores are running great deals on school supplies right now.
3) Get creative. Instead of loading the cart with 3) Get creative. Instead of loading the cart with brand new clothes, take your kids on an adventure to garage
sales, thrift stores and consignment shops. You can realsales, thrift stores and consignment shops. You can realtheir own deals.
Personally, I am a lover of all things school and of Personally, I am a lover of all things school and of
fice supplies, so my best advice to save money during fice supplies, so my best advice to save money during
your shopping trip is to stick to the list. Enjoy the last few weeks of summer and best of luck for the new school year!
For more information, contact Julie Smith at julieor by calling 620-238-0704

## ${ }_{\substack{\text { cor } \\ \text { oriss }}}^{\text {CRASS }}$ \& GRAIN Now In TOPEKA and CLAY CENTER

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


The, Eeed Slied Clay Center. KS 318 Lincoln Ave
The Stores Lenardville. KS

Daras̀ East Lane: Manhattan. KS 5321 Tuttle Creek Blval. - 8811 US-24 1132 Pillsbury Dr.

K-State Extension Specialist Shares Tips On Ways To Save On Supplies And Other School-Related Expenses By Lisa Moser, K-State
Research and Extension news service ons, rulers, wide-ruled pa per, binders, tissues, lunch
boxes - these are some of the many items young school-aged children and their parents shop for ahead of the return to Along with the excitenent of the new schoo nancial stress as parent work through the budget to pay for enrollment fees, school supplies and, in
some cases, new clothes. However there are strat egies that families can implement to save money, ac cording to Elizabeth Kiss, K-State Research and Extension specialist in p
sonal finance planning.

| ilies can start looking at | as well as how you make |
| :--- | :--- |
| the prices of school sup- | decisions about spend- |
| plies, the faster they will | ing money will help them |
| recognize a good price and | learn and give them an |
| be able to get that item at a | understanding that they |
| good value," Kiss said. | can carry forward in their |
| She shared that the Na- | lives even if they don't |
| tional Retail Federation | agree with that choice," |
| said that as of July $6,25 \%$ | Kiss said. |
| of families have already | She also encouraged |
| started their |  |
| bchack-to- | people to spread out pur- |
| chases. For example, get |  |
| "Comparisison shopping | the school supplies re- |
| will allow families to price | quired by the school now, |
| name brands versus ge- | and perhaps postonene |
| nerics as well as take ad- | shopping for new clothes. |
| vantage of coupons," Kiss | "When kids return to |
| said. | school is the end of sum- |
| She encouraged fam- | mer so they can probably |
| ilies to incorporate dis- | keep wearing their appro- |
| cussions around their val- | priate summer clothes and |
| ues as they make choices | then get the new clothes, |
| about how they are going | shoes and coat once the |
| to spend their money on | weather turns cooler," |

## Preserve Foods Safely For Your Family's Health

Whether you are expe-
rienced in food preserva-
tion or just starting Kanton or just starting, Kan-
sas State University food scientist Karen Blakeslee
recommends recommends refreshing
and expanding your knowland expanding your knowlgin. "Do your homework and earn how to preserve food she process," Blakeslee said. "Research has shown
that 99 percent of probthat 99 percent of prob-
lems with home food preservation, are due to user errors." Milly Miner, Nutrition FCS Agent for the Wildca Extension District recom mends taking
ervation class.
There are many things
athon that can cause food to be come unsafe. Common e ors include using gran

## So Now What? Tips For Managing Life After Retirement

| ces are all pajamas and relaxation or mean you a |  |
| :---: | :---: |
|  | pajamas and relaxation or mean you are done plan- activities galore, it is im- ning and preparing for the |
|  |  |
| ficially re | uate care to identify ways in which |
| tire, right? Not so fast. Research has shown that we need to be concerned |  |
|  | finances, prepare |
|  |  |
|  | healthy lifestyle and prepare your home for |
| ey before and during retirement. <br> Leaving the workforce | your balance. long-term livi |
|  | Lo |
|  | an be tough, |
| has implications for your | establishing a new normal ful all at the same time! It's |
| wallet, of course, but it can also affect relationships, |  |
|  | everyone. Some may dive tion planning, taking goals |
| also affect relationships, physical and emotional health, and even your abil- | rst into volunteer- one step at a time, asking |
|  | ing, babysitting, socializ- for help when needed, and |
| health, and even your ability to live independently | ing, and doing all of their remember to celebrate |
|  | long-desired hobbies. what you accomplis |
| for longer periods of time. The good news? You can make a difference in all | Others might be unsure the way. Use retirement as |
|  |  |
| make a difference in all of these areas by being aware and making smart- | their time. Establishing a life, but also to take care of |
|  |  |
| er, well-informed choices. Researchers at Kan- | is an important facto |
|  | liv |
| sas State University have | 边 |
| identified four key steps that help avoid common | Continue planning you may contact me at |
|  | for the future. Jus |
| that help avoid common challenges and improve | cause your retirement 378-2167, or visit https:/ |
| the overall retirement experience: | are |
| perience: <br> 1. Focus on your fundamental relationships. Retirement can have a significant impact on your most meaningful relationships. |  |
|  |  |
|  |  |
|  |  |
|  | red |
| It is crucial to have conversations that will estab- |  |
| lish expectations, lay out plans, and allow others to provide input about their |  |
| role in your well-deserved free-time. |  |
| 2. Live a healthy life- | 12 'sider, 1 walk door...Colored metal $\$ 13,300 \quad \begin{gathered}\text { Price includes } \\ \text { 40x66x14 enclosed } \\ \text { labor and material.* }\end{gathered}$ |
| style. Research shows that retirement has the abili- |  |
|  |  |
| ty to either improve your |  |
| health or send you packing to the doctor. Wheth- |  |
|  |  |

has not been tested, wrong
jar size for the processing recommendations, adjust-
ing the screw band too ing the screw band too
tight, not adjusting pro-
cessing time for cessing time for altitude,
inaccuracy of dial gauge inaccuracy of dial gauge Classes will be offered in the Wildcat Extension District in August and Sep-
tember. K-State also offers tember. K-State also offers
many resources for home food preservation. Check out a comprehensive guide
on canning by searching on canning by searching
our online resources at
https https://www.rrc.k-s-state.
edu/preservation/index. edu/pr
html After learning recom-
mended After learning recom-
mended methods, exam-
ine home equipment ine home equipment. The
Wildcat Extension District Wildcat Extension District
will test several brands of dial gauge pressure can-
ners, such as Maid of ners, such as Maid of Hon-
or, Presto, Magic Seal, and or, Presto, Magic Seal, and
National free of ange
not able to be tested the of the pressure in the can is used to assure pressure is accurate. We want all processed correctly and safely.
There are There are currently
no recommendations to no recommendations to
safely can food in electric safely can food in electric
multi-cooker appliances
Even if it has Even if it has a canning
option, the research is not option, the research is no
there to prove the method is safe.
is to me thod
and Jars and ring bands
should be in good con should be in good con
dition, free of cracks dition, free of cracks,
scratches or rust. Jars can be reused, but flats should only be used once. Gathe
oll supplies for the all supplies for the amoun
of food you plan to can be fore you begin. Some foods may have additional safety considerations.
"High acid foods like
most fruits may be canned
in a water bath canner
Low acid foods like ve Low acid foods like veg-
etables or meat, must be etables or meat, must be
preserved with a p pressure
canner," says Miner canner," says Miner
Some foods that Some foods that cannot
be safely canned include be safely canned include
dense mashed foods, like pumpkin or squash; milk; pasta or rice; and baby
Miner says, "People put a lot of work into growing
and preparing foods to preand preparing foods to pre-
serve. Whatever the food is, use recommended recipes
and prepare and process and prepare and process assure the foods you preserve will be safe for your
family to enjoy later," family to enjoy later."
Blakeslee, who is also Blakeslee, who is also
coordinator of K-State's
Rapid Response Center Rapid Response Center
for food science, pub-
lishes a monthly lishes a monthly news-
letter called You Asked letter called You Asked
Itt (https://www.rrc.k-state.
edu/newsletter) edu/newslletter./) that pro-
vides numerous tips on being safe and healthy. Pub-
lications are also available at any Wildcat Extension
District Office.

## For more information, please contact Holly Min-

 er, Nutrition, Food Safety and Health Agent, hamin-er@ksu.edu, 620-331-2690.
 Written by Taylor Jamison,
$\qquad$
begging, he finally looks at
it This is after days and it. This is after days and
days of me whining for him to look at it. I try, but I'm not as good as he is at
this type of stuff. I Googled and tightened screws and the globes. I even took
the top thingy off and did the top thingy off and did
what Google said. Nothing worked.
My husband walks in, My husband walks in, onds, without touching it
and says, "Well, that's the problem" and screws in a loose lightbulb. Weeks of me whining and being up-
set about a ceiling fan making an inordinate amount of noise and it was fixed by
tightening a lightbulb! All tightening a lightbulb! All
the lights worked, I never even thought to check if
they were tight! And Google never suggested that either. If that isn't the definition of life itself. We make such a big deal about things. We
worry about things that worry about things that
don't even happen. We don't even happen. We
work things up in our mind to be this huge project and
we procrastinate and put we procrastinate and put
it off and it takes up brain space and we worry and fret, for it to turn out to be
five seconds of screwing a five seconds of screwing a
light bulb in. Farming is hard. Inputs
are high. Weather is difficult and never gives us what we want when we want it
Decisions have to be made. Time sacrificed. Relation ships are a struggle. I'm not
solving any world problems solving any world problems
here. Just know that life is here. Just know You only get one.
short. sometimes our prob And sometimes our problems are huge, complex
things that require lots things that require lots
of thoughts. Other times, these big problems where we're thinking we're going
to have to get a new ceil to have to get a new ceil-
ing fan and hire somebody to come install it because Matt never has time turns out to be simply screwing a
light bulb in. light bulb in.
I hope you have a great
week. May your problems be few, solutions sim ple and may those solu-
tions make your spouse as thrilled as I am to have a functioning, quiet ceiling $\underset{\text { Kelsey }}{\text { fan. }}$
Kelsey Pagel is a Kansas
farmer. She grew up farmer. She grew up on a
cowlcalf 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 most of the moments. She
can be found on IG \& FB @ can be found

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## Prairie Pizza

I spent a little over a
year working for the Uni－meadows，grass－
hoppers and horn flies． versity of Nebraska at In the summer of 1984 the Gudmundsen Ranch．there were two entomol－ There were several re－ogy grad students at the
search projects going on ranch：Kevin and Eric． $\begin{array}{ll}\text { simultaneously concern－} & \text { Kevin，because I can＇t } \\ \text { ing everything from native }\end{array}$ grass management，nutri－$\quad$ Kevin seems like a good fion／supplementation ef－name for an entomologist． fects on prenatal，calving
and lactating cows，（these Eric，I remember well two studies actually inter－of Eric Clapton，and be－ sected on upland winter cause he bunked in the
pasture where dry cows calving barn，which was $\begin{array}{ll}\text { pasture where dry cows } & \text { calving barn，which was } \\ \text { were fed varying amounts } & \text { on my side of the sprawl－}\end{array}$ of ear corn on dry pas－ing ranch headquarters， <br> \section*{Midge，sorghum aphid found in Kansas} <br> \section*{Midge，sorghum aphid found in Kansas}

By Pat Melgares，K－state Research and
Extensien While Whews service for alarm，a pair of Kan sas Extension agents are at least urging the state＇s orghum producers to be of pests that have recent of pests that have recent－ crop．
Anthony Zukoff，the
coordinator of the Insect

Diagnostics Program at
Kansas State University＇s
Southwest Kansas State University＇s
Southwest Research and Extension Center in Gar－
den City，said the sorghum den City，said the sorghum
midge was recently found in the southwest part of ine state．
If not If not for the destruc－ tion it causes，the midge is a remarkable insect．The
adult lifespan of the frag－
ile，reddish－orange ile，reddish－orange fly is
a mere $24-48$ hours，but
during that time females midges fly to blooming sor－
can lay $50-120$ eggs－to cal detriment of sorghum heads，depositing eggs in
the plants． ＂Heads with severe
midge damage take on an midge damage take on an ance with blank areas，＂ Zukoff said．＂These blank areas are where midge
larva feed within the de－ veloping seeds and com－ pletely consume them．＂＇
Zukoff said sorghum Zukoff said sorghum is
only susceptible to midge only susceptible to midge
damage during the bloom period when flowers are


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sitting amongst grazing and loafing herds of cattle，
counting flies，literally guess that＇s why he was al ways glad to see me walk ing over toward the barn He would flag fresh cow patties with cow ID，time and date，and after a few days of solidification he
would pick them up，bag would pick them up，bag
and stack them carefully in the wooden box on the back of his ATV．He had built that box out of old pallet lumber and paint－
ed it white，with bold red lettering that declared， ＂Prairie Pizza：We Deliv－
er！＂Outside his bunkhouse
Outside his bunkhouse
door at the barn was an old wringer－style washing machine with the wringers removed，which just made it a ten－gallon tub on legs． Eric would fill that washer
with water and then un－ pack and soak those dried cow pies，one at a time，
till they disintegrated and
top．He would skim them
off and count those larvae just like he had counted those flies per cow That＇s the number of patties per tub of water before he would change it to drain the slurry．It＇s
also the number of tubs also the number of tubs per beer that Eric drank
during the process．The beer per patty ratio was probably much higher when I wasn＇t present to
talk to，so I figured I was talk to，so I figured I was
key in the scientific ac－ curacy of the outcome o the study simply by my Horn fly product users， you＇re welcome！
Kirk Sours is
Kirk Sours is a ranch
manager in northeast Kan sas，shaper in northeast Kan－ the Kansas prairie since the age of eight．His major hobby is writing commen－
tary，short biographical sto－ ries，and he is active in the


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Zukoff．Kansas producers the sugarcane aphid）in a $\begin{array}{ll}\text { Zukoff．Kansas producers } & \text { the sugarcane aphid）in a } \\ \text { have never actively treat－} \\ \text { farmer＇s sorghum crop last }\end{array}$ have never actively tre
ed fields for the pest． ＂However，between 2017 and 2021，there were reports of large infesta－
tions resulting in signifi－ cant losses in southwest and southeast Kansas，＂ Zukoff said．＂So far，there is no clear pattern to these
events，and locations that experienced losses one year have not necessarily ended up with probs．＂ Zukoff noted there are no treatment or thresh－ old recommendations for though＂states south of us recommend treatment at （a threshold）as little as one midge per sorghum
head．＂
＂Th ＂There are a variety of
treatment options in those
states but cultural prater states，but cultural prac－
tices are shown to help re－ duce losses from this pest， including planting early in the season，＂so that
fields are blooming before mid－August．
Meanwhile Meanwhile，near Ells－
worth，Midway worth，Midway Extension
District agricultural agent Craig Dinkel reported a single case of the sorghum week．Since then，some isolated cases have been found in other parts of Even so，Dinkel said ＂I am not foreseeing the
sorghum aphid to be sorghum aphid to be a
widespread infestation this year．＂He noted he has ＂checked multiple fields＂ and found just the one in－
festation． ＂Right now，producers should just be monitoring their milo fields for the
sorghum aphids knowing sorghum aphids knowing
what varieties they have what varieties they have
planted，＂Dinkel said． ＂Many seed companies have bred tolerance int
milo，but still some variet milo，but still some variet－
ies－like the one I checked －are susceptible to the aphids．＂susceptible to the He．adds：＂Patience is
If producers find sor－ ghum aphids in a field，it doesn＇t mean they will be－ come a problem to spray
for．Our beneficial insects for．Our beneficial insects
have adapted to the sor ghum aphids and have con－ trolled them very well．＂ More information on
ests that affect Kansas pests that affect Kansa
farm crops is available a local Extension offices．
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## K－State entomology team wins Wilbur－Ellis award



$\$ 25,000$ grand prize in the first Wilbur－Ellis Innovation Award
representing California tion submissions explored the Wilbur－Ellis Innova State Polytechnic Univer－enhancing the honey bee tion Award website．
sity，Pomona，the Univer－
population，the potential
The Wilbur－Ellis In－ sity of Washington，and the of basalt to improve soil University of California， Berkeley University Grain Science Team，representing Kan－ as State University
executive officer．＂We＇re proud of our past，but at Wilbur－Ellis we＇re always looking ahead．And we
wanted to engage young wanted to engage young
people in thinking about people in thinking about
the big challenges facing the world．I can＇t think of a bigger challenge than sus－
tainably feeding a world population．＂ By 2050，the global
population is expected population is expected
to increase by two billion people．＂As the popula－ peon expands，we＇＇ll need
tionnovative ideas and innovative ideas and part－
nerships of all kinds to nerships of all kinds to
feed more＂people，＂Buck－ leed said．＂As a company
that partners with farmers that partners with farmers
and ranchers throughout and ranchers throughout
North America，support－ North America，support－ ture is something we do every day．And as we＇ve
experienced disruptions in the food supply－in－ tensified by the Covid－19 pandemic and the war in Ukraine－we＇ve all be－
come very aware of the critical role agriculture and food production play

Award，Wilbur－Ellis is giv－ ing young people a forum for surfacing new，out－of－
the－box ideas that could the－box ideas that could
have a positive have a positive impact on
this critical imperative． this critical imperative．
With the success of the first Innovation Award－ which engaged more than
120 students working in 120 students working in
over 30 teams－Wilbur－El－ lis will sponsor the award for a second year，launch－
ing the competition in the ing the competition in the
fall of 2022 and expanding it to include college and
university students in the university students in the
U．S．and most of Canada ＂We＇re very happy to sponsor the Innovation
Award for Award for a second year，＂，
Buckley said＂The young Buckley said．＂The young
people who participated in the first competition are exceptionally bright and
the ideas they brought for－ the ideas they brought for－
ward have real promise ward have real promise． again with the 2023 award， because when creative
minds come together，we minds come together，we
can find new and better ways to feed a growing
world．＂

## Senate acts on NEPA resolution，WRDA bill

Recently，the U．S．Sen－
ate passed S．J．Res．55，
a joint resolution of dis－
approval under the Con－
gressional Review Act to
reverse the White House
Council on Environmental
Quality＇s rulemaking relat－
ed to the National Environ－
mental Policy Act（NEPA）．
The resolution was intro－
duced by Sen．Dan Sul－
livan（R－Alaska）and gar－
nered the support of all
Senate Republicans plus
Sen．Joe Manchin（D－W．V．）．
Sen．John Cornyn（R－Tex－
ass supported the measure
but was unable to vote be－
protocols． Proponents of the res－ olution argued that the
NEPA rule revisions un－ NEPA rule revisions un－
dermine important provi－ sions in the Infrastructure
Investment and Jobs Investment and Jobs Act
intended to streamline intended to streamline key elements of a broken and are a substantial roll－
back of the Trump admin－ back of the Trump admin－
istration＇s 2020 NEPA reg－ istration＇s 2020 NEPA reg－
ulations，which were the first major modernization of federal modernironization reviews since 1978.
＂For years，the Nationa Environmental Policy Ac process was inefficien and unreasonably costly．
Bureaucratic delays held up critical transportation projects，water infrastruc－
ture and basic steward ture and basic steward－
ship activities．With this ship activities．With this
rule，the administration has turned back to the clock to a process that they
themselves reconnied themselves recognized as
broken．Ranchers and the lands they manage need clear，predictable and
timely NEPA timely NEPA analysis
for listening to ranchers for listening to rancher
and rural communities．＂
＂This action by the ＂This action by the Sen－ ate is great news，＂said
TCFA director of govern－ ment relations Josh Win egarner．＂But to take ef－
fect，the joint resolution ect，the joint resolution
must also pass the House must also pass the House signed by President Biden which is unlikely．＂ The U．S．Senate also
voted overwhelmingly to voted overwhelmingly to
pass the Water Resources Development Act（WRDA） Among the various flood
mitigation and water de－

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bill includes authorization with the opportunity to $\begin{array}{ll}\text { and funding to modernize } & \begin{array}{l}\text { address important naviga－} \\ \text { tion，ecosystem and flood }\end{array}\end{array}$ the U．S．waterways infra－protection issues critical structure．The bill was to American industries groupd by agricultural and communities．A con－ Congress has passed ference committee will be a WRDA every two years formed to reconcile the since 2014．The legisla－Senate bill and the House provides stakeholders version passed in June．

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EXCLUSIVELY FROM AGSECO

## AG RADICAL

»＞Excellent yield potential
» Excellent test weight
》）Medium to high protein content
》 Excellent leaf rust resistance
$>$ Excellent straw strength

## AGICON

》Exceptional yield potential
》Excellent straw strength
3）Early in maturity
＞Good baking and milling quality

## AG GOLDEN

» Very high test weight
» Excellent winter hardiness
»）Excellent yield potential
》 Excellent stem rust resistance》L Long coleoptile length

## TAM 114

»Superior leaf disease resistance
$\gg$ Most drought tolerant
》 Very good winterhardiness
» Excellent yield potential for milling，baking and grazing

## Im receives NSF CAREER award for quantifying nitrous oxide emissions in forage conservations

A Kansas state Univer-
sity professor seeks to bet-
ter understand and quan-
tify emissions of nitrous
oxide, a potent greenhouse
gas, from agricultural for-
age conservation with a
more than \$6000,000 Facul-
ty Early Career Develop-
ment, or CAREER, award
from the National Science
Foundation.
Jeongdae Im, Jeffrey
and Joy Lessman Keystone
research scholar and as-
sistant professor of civil
engineering in the Carl R.
Ice College of Engineer-
ing, is investigating the
nitrous oxide emissions
from forage conservation,
which is the practice of
stockpiling plants or parts
of plants that serve as food
for livestock. This process
often relies on fermen-
tation, as the lactic acid
produced works as a natu-
ral preservative for forage
crops. But microorganisms


Jeongdae Im, Jeffrey and Joy Lessman Keystone research scholar and assistant

professor in civil engineering at Kansas State University, works in his lab on the | emisions in foraze con con |
| :---: |
| servations while |
| cals on in | sestaitionsing the eniso

veriabial
processes that icontral
cont

 nitrous oxide emissions by
955\%. Im has filed a provi-
 Agriscience
novel inoculant "The outcome of this
research will also address one of NSFs's. 14 grarss
challenges for engineer-

 sustaninafee, effectivive and
al ressurce mancurat
alt
Researchers find way to improve nitrogen uptake in field-grown maize

By Pat Melgares, K-State
Research and Extension
news service
Researchers at Kansas
State University and sci-
entists at one of the United


## AUCTION

SATURDAY, AUGUST 27, 2022 - 9:00 AM


















 AUCTIONEER'S NOTE:AII Items are in excellent condition have been


## 




*COUNTRY AUCTION*
SATURDAY, AUGUST 27, 2022 - 9:30 AM

| Directions: 1 mile West of Navarre, KS, or approx. 8 m <br> of Abilene on 15 Hwy and 5 mi. East on 1400 |  |
| :---: | :---: |
| 年 1926 2-ton Caterpilar Crawer |  |
|  |  |
| ater | , tins 5 gal |
|  |  |
|  |  |
|  |  |
|  |  |
| mower, 3 pt. post auger, Sections |  |
| 1979 WW Horse traier that was always in shed, lots of old running |  |
|  |  |
|  |  |
|  |  |
|  |  |
| sprayers., Anticueue Herar Batiery pow-eread spraver, 20 gal. electric spray- |  |
|  |  |
|  |  |
| 55 motorcycle, 1931 Model A that looks original, model A parts |  |
|  |  |
| (transmission, fan, etc), Monarch |  |
| Go Electric Golf Cart, 16' Tri-Hull |  |
|  |  |
|  |  |
| fishing gear \& tackle, boat anchors,several small gas boat motors \& |  |
|  |  |
| seletric troling notior, (15 to 02 Hit |  |
|  |  |
|  |  |
|  |  |
|  |  |
| condition, metal wheels, buggystirrups, horse hames, single |  |
|  |  |
| planters/drills, (Superior, VP, P:O,American Seeding Machine Com- |  |
|  |  |
| pany, Hoosier cultivators, ver 20 horse drawn plows, horse disc, |  |
|  |  |
|  |  |
| s, implement seats, coal fired |  |
| SELLERS: ROSE MARY \& KENNETH GRIFFIS TRUST / Advantage Trust Company |  |
| Go to KSAL.com OR KansasAuctions.net for list \& 100 pictures <br>  BAXA AUCTIONS, LLC, 625 Seitz, SALINA, KS |  |
|  |  |
|  |  |


|  |  |
| :---: | :---: |
| ich th | storage |
| regulate whe | leaves of the ca |
| he | Corteva, estab |
| ich the zmm28gene | merger of Dow a |
| nown in molecular bi- | Pont, funded the |
| ogy as a transcription | which has been |
| ctor) is able to express | in the scholarly |
| elf. | Nature Communic |
| The | Biology. Ciampitti sa |
| reased and extended | lab also received si |
| ression of zmm28 on | cant support from Ka |
| ain yield has been | Corn |
| rved across a wide ran | The findings |
| field conditions and | project, Ciampitti |
| ge set of hybrids," | provides an "oppor |
| pitti said. "The | to not only increase |
| nt evaluated here | ductivity of corn, |
| $n$ previously repor | to |
| to increase yield | of nitrogen fer |
|  | factors especia |
| ronments aff | ant in light |
| drought and nitrogen | for fertiliz |
| ficiency." | im |
| Simply, the hybrids | This is impo |
|  | only from the |
| gen from soils and use it | of productivity |
|  | environment, |
| ecially during the late | light of fragile |
| etative stages - to in |  |
| ease yields. | said. |
|  |  |
| ducted much of the |  |
|  |  |


| SATURDAY AUG 27 2022 - 9.30 AM |  |  |
| :---: | :---: | :---: |
|  |  |  |
| The following sells located 4 miles S. of OVERBROOK, KS on Shawnee Heights Rd., then $1 / 2 \mathrm{mi}$. E. on 189th to 6202 E. 189th St. |  |  |
|  |  |  |
| Sell First at 9.30. figures Grasshopper mower: |  |  |
|  |  |  |
| ed, 78.2 k mi.; ${ }^{\text {9 }} 96$ Ford F 250 , Nice picture |  |  |
|  |  |  |
|  |  |  |
| Chautauqua wooden ice bo |  |  |
| Antique glove box chest; 14Hump \& Square trunks; 15 |  |  |
|  |  |  |
| German Bavarian wooden fig |  |  |
| ures; 5 nutcrackers; 20+ Ger- antique \& vintage items of all man steins; 16+ Willow Tree sizes <br> No Buyers, Premium or Sales Tax - Cash or Check - Sorry, NO |  |  |
| No Buyers Premium or Sales Tax - Cash or Check - Sorry, NO cards. Plan to attend, you will not be disappointed. 3 RINGS POSSIBLE. |  |  |
|  |  |  |
|  | Pics \& Info: <br> www.wischroppauctions.com 785-828-4212 * |  |
|  |  |  |
|  |  |  |


|  |
| :---: |
|  |  |
|  |  |

USW trade team visit to Kansas reinforces the importance of trade relationships with top customers from Colombia

states reinforces the re-
liable reputation of U.S.
wheat and helps maintain wheat and helps maintain
exports to this important customer. Colombia is currently the largest des-
tination for U S tination for U.S. wheat in
South America. The UnitSouth America. The Unit-
ed States enjoyed a $30 \%$ market share in the 2021 calendar year at nearly 20.14 million bushels
( 548,000 metric tons), up (548,000 metric tons), up
from $22 \%$ the prior year. from $22 \%$ the prior year.
Colombia imports U.S. Colombia imports U.S.
wheat through ports on wheat through ports on
the Gulf of Mexico that receive U.S. HRW and SRW and ports on the Pacific Ocean that receive U.S.
SW wheat. SW wheat.
Within
is not a profitable crop, is not a profitable crop,
driven by climate. Most wheat farms are located in the southern part
of the country and do not of the country and do not
exceed four acres. As a exceed four acres. As a
result, average wheat production over the last ten years is less than about
14.7 bushels 14.7 bushels ( 400,000 metric tons). Less than half of
this locally grown wheat is this locally grown wheat is
purchased by the milling industry with the majoriindustry with the majori-
ty of domestic production consumed directly in rural areas.
Howe However, Colombians do enjoy their wheat foods. In the 2021 calen-
million bushels (1.83 milmillion bushels ( 1.83 mil-
lion metric tons). The majority of that wheat - $76 \%$ -
was consumed as bread or was consumed as bread or pastries, above the Latin American average of $69 \%$. sumption made up $9.5 \%$ and $14.5 \%$ was consumed as pasta.
And this market still
has room to grow Colom has room to grow. Colom
bian per capita wheat and bian per capita wheat and
bread consumption main the lowest in South America, about half that of neighboring countries. For example, bread consump-
tion was 56 pounds per tion was 56 pounds per
capita per year, compared capita per year, compared
to 215 pounds in Chile. This combination growth opportunities, favorable importing logis-
tics and increasing martics and increasing mar-
ket share make teams like ket share make teams like
this one from Colombia this one from Colombia
an important activity for Kansas Wheat and other state wheat commissions
to work with USW to to work with USW to showcase the reliability, quali-
ty and value of the wheat ty and value of the wheat
grown here in the Heart land every year
Learn more about the
different trade tean different trade teams USW has organized this summer
at https://www uswheat. at https://www.uswheat.
org/wheatletter/u-s-wheat-org/wheatletter/u-s-wheat-
customer-trade-teams-are-

Short forage supplies require producers to make tough decisions
Dry weather and short
pastures have reduced
forage supplies, prompt-
ing livestock producers to
ponder "could have, would
have, should have"scenar-
ios, says University of Mis-
souri Extension livestock
specialist EEic Meusch.
Producers should try
to match their herd needs
to anticipated forage sup-
plies, Meusch says. This
requires planning before a
drought. Many factors will
be out of your control if
you wait until drought ac-
tually hits.
During drought, pro-
ducers have control over
some factors but not oth-
ers. It it important to man-
age controllable areas to
meet animal needs and
be profitable. Good graz-
ing systems give producers
flexibility to decide when
and where livestock graz-
es, he says.
Fencing and proximi-
ty of available water are
important factors. Prop-
erly managed systems let
 -5 ? GRASSz GRathr
> "Grass and Grain caters to the market that I sell to."

## 응SSVㄴ는

TRUCK AND TRACTOR
haseaverisealmith aress \& cratn over therear beewse the pricing is good, anll the readership in their area is very strong.
"I am told often [by customers] that they saw it in Grass \& Grain."
Yov could also be reapitho the benetis Of Arass \& Grato Advertistingl Don't hesitate, call today: 785-539-7558

Or stop by to talk to one of our advertising representatives
tion when there are too
many cows and not enough
feed. Review the herd for
open cows, cows in poor
condition, depreciating
older cows and late-con-
ceiving cows, Meusch
says. "Ideally, producers
will have a drought plan
in place that has already
identified the cows that
can be culled. Having such
a plan in place makes
it quicker and easier to
sell cows if culling is re-
quired."
When feed is limited,
consider the energy re-
quirements of different
classes of livestock, he

## prioritizing for the needs

 of pregnant and lactating cows is crucial for surcan be weaned early and stockers can be sold, but cows must be maintainedif they are to be profitable if they are to be profitable
in coming years." Spring-calving with calves on their sides are probably the most flexible right now because
calves can be weaned, making cows easier to maintain. Fall-calving cows, however, need to be carefully managed to ensure they maintain their
he calving and breeding season. A drought this
time of year is particularly challenging for fall-calving cows, Meusch says. MU Extension beef
nutritionist Eric nutritionist
ley offers tips for culling ley offers tips for culling
in a 2018 news release, "Drought cuts pasture growth, farmers face culling cow herds," at muext. us/n3495.
More
More information on
forages is available from the Alliance for Grassland Renewal at grasslandrenewal.org. The alliance in cludes partners from uni-
versity, government indus versity, government, indus
try and nonprofit groups.

## UPCOMING SPECIAL ISSUES

## Kansas State Fair Issue - August 30 ${ }^{\text {th }}$

Fall Harvest (4-week series) - September $6^{\text {th }}$
Fall Full of Bullz - September $13^{\text {th }}$
G\&G Farm \& Ranch Show - November $1^{\text {st }}$ Soil Health - November $8^{\text {th }}$
Wichita Farm Show - November 29 ${ }^{\text {th }}$
Christmas Greetings Special - Dec. 20 ${ }^{\text {th }}$

## DEADLINES:

Kansas State Fair - August 24 ${ }^{\text {th }}$, before Noon Fall Harvest - August 31 ${ }^{\text {st }}$, before Noon Fall Full of Bulls - September $7^{\text {th }}$, before Noon G\&G Farm \& Ranch Show - Oct. 26 ${ }^{\text {th }}$, before Noon Soil Health - November $2^{\text {nd }}$, before Noon
Wichita Farm Show - November $23^{\text {rd }}$, before Noon
Christmas Greetings - Dec. 14 ${ }^{\text {th }}$, before Noon
To advertise in these or future special issues, contact your GRASS\& GRAIN sales rep:


J osie Bulk Sales Representative josie@ agpress.com


Donna Sullivan
Managing Editorgandgeditor@ agpress.com

Office: 785-539-7558

down, or grinding down.
The heat, the insanity of trying to schedule work and events in the after-
ways, I "scrambled" to ge my presentation done and I felt it was a little disor
ganized, but it was well-reganized, but it was well-re-
ceived. I spoke about the ceived. I spoke about the Kansas and how often many of these cities that
sprang up in their wake ater try to distance them selves from the fort, and,
eventually, even the story of the fort.
Today, though, as we look back on those incredi-
bly diverse stories and look bly diverse stories and look
forward to ensuring future generations know from
whence they came it is so

The Ford County Historiputting Fort Dodge on the
National Register National Register of His-
toric Places. I did not real ze it wasn't already listed. After Fort Dodge was
decommissioned, it transitioned into a soldier's
Home, providing service Home, providing services to veterans. What a valu-
able role! Some buildings were re-purposed over the years, some torn down,
many others were built. The site has evolved. I hope we can provide
whatever support is needwhatever support is need-
ed to make the listing haped to make the listing hap-
marking 150 this year) and
the Western Cattle Trail through the region marks 150 years in 2024. With all these significant dates, it the people and events of those years and look at the forces that shaped the
land, towns, and people land, towns, and people
today. today.
While experience of greeting old friends, making new ones with shared passions, visiting sites, sampling the
restaurants-the entire ex-restaurants-the entire experience was memorable
in a very good way
our unique interests. But I have a basic knowledge and some understanding
because that informs our because that informs ou
decisions as citizens, and it adds to our understand ing of this human experience.
Sometimes, it can even Deb Goodrich is the host (with Michelle Martin) of the Around Kansas TV
Show and the Garvey Texas Show and the Garvey Texas Foundation Historian in
Residence at the Fort Wallace Museum. She chairs the
Santa Fe Trail 200 which

Nebraska soybean farmer participates in Indonesia conference


 SHOP TOOLS: Peerless and Sears Air Compressor;
Bench Grinder; 2 Section Scatfolding; Step LLadders;
Car Ramps; Power Cords; Tool Boxes; Bolt Bins Car Ramps; Power Cords; Tool Boxes; Bolt Bins
(loaded); David White Transit (complete): Reciprocat-
 Hammers, Wrenches, SCrewdrivers and Hand Tools;
Crattsman Miter Saw; Wire Brushes; Jumper Cables;
Cup Sprayers; Air Hoses;
Raiss Screws and Bolst
Ratchet Straps; Pry Sars; Large Selection of Power


AUCTIONEER'S NOTE: A very good selection here that you don
as we may sell at two locations periodically throughout the day.
Auction conducted for the Living Estate of DELMAR H. THIBAULT


## AUCTION <br> SATURDAY, AUGUST 20, 2022 - 10:00 AM



FDA approves reimplant labels for three beef cattle implant products
Drug Administration's
Center for Veterinary
Medicine (FDA ) published
a list of new drug approv-
als that includes three
beef cattle implant prod-
ucts labeled for reimplan-
tation. These products are
Synovex Plus, Synovex
Choice, and Synovex One
Feedlot from Zoetis Inc.
dustry to provide cartle
producers with informa-
tion on the appropriate
use of approved beef cat-
the ear implants not spe-
cifically labeled for reim-
plantation. The eletter also
established June 2023 as
the target date for the drug
sponsors to begin intro-
ducing updated labeling
regarding reimplantation

## LAMD ADFTON

SATURDAY, AUGUST 27, 2022 - 10:00 AM
Cougars Den, 101 Main St. - MORROWVILE, KANSAS
80士 AGRES WASHINGTON GOUNTY, KS LAND
FSA Farmland $=78.49$ acres with 75.2 DCP Cropland acres
ONLINE \& PHONE Bidding Available - Register NOW!
REWISITER NOW! Download our Midwest Land \& Home App
on your Apple or Android and Register to BID TODAY! See Aug. 2 Grass \& Grain For Information \& For Complete Detail visit: www.MidwestLandandHome.com


UNITED METHODIST CHURCH HADDAM KS. - SELLER

Mark Uhlik - Broker/Auctioneer - 785.325.2740
Jeff Dankenbring - Broker
www.MidwestLandandHome.com
ducers will only be al-
lowed to reimplant those
products that explicitly products that explicitly
state on the product label-
ing that reimplantation is permitted.
The letter goes on to across production phases
is not affected by these
pending label changes pending label changes.
Beef cattle are and will
continue to be allowed to receive multiple implants
across different phases of
production when using improduction when using im-
plants approved for that
specific phase also recelve more than
one implant within a pro-
duction phase, but only if duction phase, but only if
that implant is approved
for repeated administra for repeated administra-
tion. However, there is dis-
agreement betwen agreement between FDA
and industry over produc-
tion phases For example and industry over produc-
tion phases. For example,
under FDA's current inunder FDAs current in-
terpretation, background-
ing lightweight cattle in a ing lightweight cattle in a
grow yard is considered a
subset of finishing cattle and not a separate produc
Tion phase
TCFA will continue to provide updates as new
implant product labels are announced and will con-
tinue to work with FDA to
clarify the different pro-
duction phases

SHERBONDY FARM RETIREMENT AUGTION SATURDAY, AUGUST 20, 2022 - 10:00 AM AUCTION LOCATION: 67529 Rd - WOODSTON, KANSAS


## Grass 8 Grain Area Auctions and Sales

Due to the uncertainty of
events. if you plan to at-
tend any of the following doubts, please contact to confirm company tion will be conducted ty procedure if if sa concerned. And please
check thei Hundreds of auctions, line and in-person. www
kansasauctions net/ge kansasauctions.netigg
Always great online
Equin Equipment auctions
www.purplewave.com termined, currently acguns, ammo, bows acees sories, and all hunting in Salina, Kansas. Auc-
tioneers: Wilson Realty \& Auction Service. (2) Onine Realestate Auc-
tions Seling property
1: 3BR, 1BA home located in KC, KS) bidding soft
closes August 15 ; Propercated in Olathe) bidding cated in Olathe) bidding
soft closes August 16. Sold at lindsayauctions.

hibid.com. Auctioneers: Lindsay Auction \& Real| ty, LLC |
| :--- |
| August $16-J D$ | 840 tracGator, trailer, shop items,

tools, lawn mower, antools, lawn mower, an-
tiques livestock equipment $\&$
much more held near Brothers. Auctioneers: Larry Johnston Auction. August 16 - Unreserved
Live \& Online Land Auction (Bid online August
$2-16,2022)-315.31$ acres m/I, of Dickinson County
Land consisting of 293.59 ac. $\mathrm{m} / \mathrm{I}$ terraced cropland,
12.38 ac. $\mathrm{m} / \mathrm{l}$ waterways 9.11 ac . m/l one-mile-long grain bins \& more held live at Abilene for Tim
$\&$ Debra Sanders. Online bidding at www.bigiron.
com/realty Auctioneers Big Iron Realty, Mike Campbell, listing agent. consisting of $15,173.06$
acres County, Colorado land
sold in
lin tracts bination of farmland \& ranchland located south
of Holly, Colorado with good procucing irrigat-
ed $\&$ dryland farmland; spring fed Two Buttes of the ranchland held
Live at Lamar, Colorado with online simulcast bidding at www. FNCBid.
com. Auctioneers: FarmMark Callender, AFM/ agent. Inc., Annual Summer consignment
consisting of of traction
tracts, handling, trucks, trailers, vehicles, antiques, hay
\& livestock, construction, planting \& spray-
ing, miscellaneous held at Tekamah, Nebraska. Online bidding available
at www.EquipmentFacts. com. Auctioneers: Lee
Vallev. Inc. August 18 - Land Auction
consisting of 1036 acres $\mathrm{m} / \mathrm{I}$ of Republic County

 m/l; T7: 196.35 ac. $\mathrm{m} /$;

Bellene wint online \&
phone bidding available.
Go to www Mid
online bidding. AuctionHose, Jeff Dankenbring,
broker: Mark Uhlik, brobroker; Mark U
ker/auctioneer
Fisherman fiberglass Foat, $1994 \begin{array}{r}\text { fiberglass } \\ \text { Ford }\end{array}$ xplorer, motorcycle,
outdoor items inc. rods, eels, spooling station, e of all types, fishing \& hunting gear, knife colts more, Collectibles nc. 200 yr. old stone/
hatchet tool, bronze
tatue, guitars, vintage tatue, guitars, vintage
albums \& -tracks, dishware, KU memorabilia, furniture \& much more ack Virtue \& Jon Gentry ton Auctions.

- Nice collection of artwork, antiques $\& ~ c o l l e c t i b l e s ~ i n c .: ~ J a p a-~$
nese jewelry, Indian artwork, statues, puppets,
advertising signs, crocks, ools, leather bag collecitems held at Salique Chuck Monroe. Auctioners: Thummel Real Esate \& Auction, LLC.
ugust $20-$ Farm \& misc. equipment, garden, shop
\& tools, household \& ansuns to sell in Moundridge, KS for the Pearl state. Auctioneers: Triple K Auction \& Real Es-
tate. August $20-$ Sherbondy
Farm Retirement Auc-
tion including semi's and tion including semi's and trailers, tractors/ plantquipment, shop equipnent \& tools, pickups/
UTV/ cars/ vans, campuns, and misc. items, to be held in Woodston, KS. Auctioneers: Hamit Land
$\&$ Auction, Inc. misc. items, mowers, lawn \& garden, shop tools, and household an-
tiques/ collectibles sale KS for the Living Estate of Delmar H. Thibault. er Auctions. er, lawn mower, woodworking equipment, furniture, andtiques and in McPherson, KS for the Marvin Goering EsSchmidt Auction \& Real Estate. agust 21 - Headlight iming station, wood maian pottery road signs, lecords, belt buckles, ins, 2 small anvils, wood pulley collection, wrench
collection, drill collecion (hand \& electric), oil gas cans, Large collection of glass \& lots more collectibles held at SaliAuctioneers: Thummel Real Estate \& Auction, ugust 25 - Farm equipont auction consisting of Tractors (2013 JD 9360 2000 Case IH MX 240), combines, cornheads \&
er semi, grain trailer,
trucks, pickups, Machin-
ery, shop items \& miscel aneous held near Gar-
den City for Dennis Zerr ston Agency . ugust $26-$ Farm \& mis ellaneous including JD IHC \#9 mower, lumber new metal, D850 Kuboa diesel, greenhouse/
tent frame \& more, livestock inc.: nanny goats dardbred geldings, pon mares, steers \& heifer \& more held at Burlin game for Mose \& Mary Martin Auctions, Larry Martin, Loren Martin, chandise - Quality mer chandise,
vintage,
antiques
, modern, tools vintage, modern, tools,
furniture, collectibles glass, pickup, SUV, guns
$(3$ rings possible) held near Overbrook. Auc-
tioneers: Wischropp Auc-
ugust 27 - 2016 Mahin ugust $27-2016$ Mahin
dra Tractor EMax, machinery, Mahindra roto tiller, Cub Cadet lawn ractor, shop equipment \& tools of all kinds, lawn oy trucks \& train cars g. pile of salvage iron \& much more held at Min Auctioneers: Gerald Zim mer Auction \& Real Es ugust $27-19262$-ton Cat erpillar Crawler Tractor JD B tractor, Mahindra ers \& mow ary mow el A, golf cart, boats, hit \& miss motors, horse drawn items, implement seats, vintage Tonka toys, advertising items, po
belly stove, jacks, May tag gas washing machin motors, Fire Chief pedal car, lots of collectibles \& for Rose Mary \& Kenneth Griffis Trust, Advantage Trust Co. Auctioneer Baxa Auctions, LLC.
ugust 27 - Land Auctio August 27 - Land Auction
consisting of 80 acres $\mathrm{m} / \mathrm{l}$ of Washington County at Morrowville for Unit ed Methodist Church (Haddam). Online bid
ding: www.MidwestLan dandHome.com. Auction ers: Midwest Land \& Dankenbring.
ugust 27 - Guns, trucks tractors, antique furni-
ture, German Bavarian ture, German Bavarian
figures, steins, mower figures, steins, mower large selection of an-
tique and vintage items, books, maps, decors, yar rt, kitchen and holida items and much more to brook, KS, for Karr Trust Auctioneers: Wischropp Auctions. in Strong City Ks auction ng collectibles includ and mooks, shop item Auctioneers: Hancock
Auction and Auction and Real Estate 8-27: Collectible Sishing items from 1800s-eary 1900 s inc.: thousand
of lures, flies, bobber reels, rods, gigs, adver
tising lures, pictures, neon beer \& fishing signs,
store displays, taxiderm mounts \& lots more. Sell
ing $8-28$ : Collectible hunt
ing items inc. guns, BB
Grass \& Grain, August 16, 2022 $\qquad$ Page 11
Trust guns, cap guns, knives,
ammo, decoys, antlers \& skulls, ax collection, ad-
vertising, animals calls
traps \& lots more all held traps \& lots more all held
at Salina for a 50 -Year
Collection seller Conlection seller. Auc-
tioneers: Thummel Real
Estate \& Auction Estate \& Auction, LLC. August 27 - Tools, collect
ibles, household \& misc ibles, household \& misc. Wincel Jehle Estate.
24 clocks consigned to sell, as well as coins and stamps. Auction to be held in Baldwin City, KS,
Auctioneers: Edgecomb Auctions.
$\mathrm{m} / \mathrm{l}$ of Dickinson \& Salin County Land sold in 8 bottom tillable, upland tillable, excellent hunt ing. T1: $43 \mathrm{ac} . \mathrm{m} / \mathrm{DK}$ T2: $78 \mathrm{ac} . \mathrm{m} / \mathrm{l}$ DK Co.; T3.
$134 \mathrm{ac} . \mathrm{m} / \mathrm{DK}$ Co $134 \mathrm{ac} . \mathrm{m} / \mathrm{DK}$ Co.; T4: 119
ac. $\mathrm{m} / \mathrm{LI} \mathrm{DK}$ Co. T5. ac. m/l DK Co.; T5: 80 a
$\mathrm{m} / \mathrm{DK}$ Do.; T6: $80 \mathrm{ac} . \mathrm{m} / \mathrm{l}$ $\mathrm{m} / \mathrm{DK}$ DK.; T6: $80 \mathrm{ac} . \mathrm{m} / \mathrm{L}$
DK Co.; T7: $156 \mathrm{ac} . \mathrm{m} / \mathrm{l}$
DK Co.; T8: $80 \mathrm{ac} . \mathrm{m} / \mathrm{l}$ SA Co.
Held live at Abilene for Leroy Hoffman Jr. Trust Dorothy M. Hoffman
Trust, Advantage Trust Co., trustee. Online bid ding available via Prox ibid.com. Auctioneers. Horizon Farm \& Ranch
Realty, LLC. Realty, LLC., R
ingen, broker.
r 3 - Farm Toy auction consisting of
$1 / 16 \& 1 / 32$ Farm toys inc. Massey Ferguson, Oliver $\mathrm{NH}, \mathrm{AC}$, Ford, JD \& more,
truck
banks, knives, belt bus, Shrac cars, paper manuals held at Salina for a private collection. Auctioneers: Thummel Real Estate September 4 - Collection \& advertising inc. Marks, signs, fire extin-
guisher collection, fire guisher collection, fire
hats, brass nozzles, belts, paper, pictures \& much paper, pictures \& mus $1,000 \mathrm{PEZ} \& 50+$ wall let-
ter holders held at Salina ter holders held at Salina for Bob Humiston. Aus
tioneers: Thummel Re Estate \& Auction, LL September 5 (Labor Day
Monday) - Cars (from the Gene Fuller Estate inc. 1941 Cadillac, 1921 Franklin touring car,
Ford Model T, 1913 Samp son truck 1970 Volkswa gen Karmann Ghia, 50 pedal vehicles, antiques, crocks, steins \& collect-
ibles held at Salina. Auctioneers: Thummel Re Est Monday) - New Strawn Consignment Auction selling Tractors, trucks,
vehicles, farm \& live stock equipment, lawn \& garden, trailers, tools, lumber \& farm items Auctioneers: Darwin W. Kurtz and Paul Hancock. \& glassware, Lincoln drape oil lamps \& other
oil lamps, 19th Century oil lamps, $19 t h$ century
bronzed statue clock advertising pieces, cas dolls, fancywork \& many more antiques \& collectibles held at Hope for
Rose Mary \& Kenneth Rose Mary \& Kenneth
Griffis Trust, Advantage



## AUNDAY, AUGUST 21, 2022-10:00 AM



September $10-1920 \mathrm{~s}$
Coca Cola salesman sam-
ple cooler, oak antique Ast, Advantag Trust
Baxa
rniture, crocks, elecic \& kerosene lamps, ctures, very large glassmels, dolls, holiday decor, vintage toys \& more ia Jones Trust. Auctioners: Thummel Real EsSeptember 11 - Indian
artifacts, guns \& collectartifacts, guns \& collect-
ibles inc.: Sioux buckskin legging, beaded pouch puzzle bag, scrapers,
1880s gun belt, knives, Indian pottery \& vases, Kachina dolls, Navajo
necklaces, guns, Royal necklaces, guns, Royal
Copley collection, dolls, held at Salina Auction eers: Thummel Real Estate \& Auction, LLC. in 3 tracts in Lyon Co. to sell in Emporia, KS for Auctioneers: Griffin Real Septate \& Auction. Auction consisting 77.51 acres $\mathrm{m} / \mathrm{l}$ of Jackson
County, KS Cropland (loated near Soldier) held at Soldier. Auctioneers:
Countrywide Realty, Inc., auctioneer Marc Bun-
ting.
Septemb

## September 16 - Marion

 ounty Grassland Aucacres of quality native grass pasture, good couny gravel road, open \& clean w/no brush, 2 ponds more held at Marionalty \& Aeers: Leppke Realty \& Auction.

## ury Mariner, furnitur-

 arry Mariner, furniture, locks, collection of cap guns \& holsters, pedal car, Keystone toy largedump trucks, lamps, cast dump trucks, lamps, cast Cola serving trays, mili tary items \& many more antiques \& collectibles Auctions, LLC mower, tools, gun safe, bow, ammo, crocks and Auctioneers: Meitler Auction Service man Special Outdoors man Special auction in ngton nylon ${ }^{2}$ (Rem other rifles, shotguns) collectible ammunition, Mounts of all types,
knives, hunting \& fiss knives, hunting \& fishng gear \& equipment, belt buckles, sculptures, collector trucks, Jerry Selling immediately af Coins (nice collection)
held at Manhattan for oretta (Jody) Schwinn \& The Late Myron Schwinn. Auctioneers: Crossroads Real Estate \& Auction thblade; - F20 tractor w/blade; 1977 wrecker
truck, not running; buzz saws \& blades; primi tives; antiques; furniture;
household goods; washer \& dryer; freezer; lots o

Defending Kansas

## crossed into the "prom- the Kansas Tribune of Au-

 ised land" of Kansas on gust 18, 1856, described a $\begin{array}{ll}\begin{array}{ll}\text { August 7, 1856. He was part } \\ \text { of Jim Lane's "Army of the }\end{array} & \begin{array}{l}\text { wagon train "composed al- } \\ \text { most solely of mechanics, }\end{array} \\ \text { North " }\end{array}$ North, organized or bring citizen soldiers to fight for the cause of freedom on the soon to be blood-soaked soil of Kansas Terpers expressed disbelief The Atchison Squatter Sovereign, August 25, 1856, cried, "LANE'S MEN
HAVE ARRIVED!! - CIVIL WAR HAS BEGUN!!! nal, September 24,1856 , nal, September 24, 1856,
wrote that the army numbered one thousand men,
"well-armed, drilled and equipped." The term of
enlistment was reportedly enlistment was reportedly
"for the war," and payment would be derived from taking the land claims of pro-slavery southern men
by driving them from the

Though most of the men tlers, Lane had assembled a sizeable force of men
already in Kansas hopin already in Kansas hoping
to receive rifles from the east. The train of wagons that brought the settlers
across Iowa to Kansas over across Iowa to Kansas over
"Lane's Trail" also carried "Lane's Trail" also carried
fifteen hundred Springfield rifles, fifty Sharps
rifles and as many Colt's rifles and as many Colt's
revolvers. Hinton recalled that, "There was a riot
when the men found they where muzzle loading, old fashioned Springfields."
The men were so angry The men were so angry the boxes of Springfields, saying they would not carry them. But, having no recourse but to rely
on whatever weapon they on whatever weapon they
could acquire, given the choice of weapon or no
weapon the rifles were un earthed and carried away to their strongholds. There were at least fifty modern
Sharps rifles and Colt's Sharps rifles and Colt's
revolvers to lighten their
hearts.
Three miles south o the Kansas-Nebraska bor der a portion of the set thers stopped to construct
a fortification they named Fort Plymouth, for Plymouth Rock, Massachusetts. Hinton and others continued south to the vicinity of present-day Hiawatha, Kansas. On Saturday, Au gust 9, 1856, the town o
Lexington, Kansas, wa

## Farmers \& Ranchers <br> AUCTIONS EVERY MONDAY \& THURSDAY

## Selling Cattle every Monday

 Hog Sales on 2nd \& 4th Monday of the month only!| TOTAL FOR THE WEEK: CATTLE 5,278; HOGS 53. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| BULLS: \$117.00-\$132.50 |  |  | 13 blk | Beloit | @2,000 |
| COWS: \$85.00-\$98.50 |  |  | 19 blk | Beloit | @1,985.00 |
| STEERS |  |  | 10 blk | Beloit | @1,975.00 |
| 500-600 |  | \$200.00-\$207.00 | 6 Char | Beloit | @1,900.00 |
| 600-700 |  | \$195.00-\$203.75 | 12 bwf | Beloit | @1,885.00 |
| 700-800 |  | \$190.00-\$200.25 | 2 Red | Beloit | @1,850.00 |
| 800-900 |  | \$185.50-\$192.50 | 4 blk | Beloit | @1,835.00 |
| 900-1,000 |  | \$170.00-\$179.00 | 10 blk | Medicine Lodge | @1,575.00 |
| HEIFERS |  |  | 6 blk | Medicine Lodge | @1,550.00 |
| 400-500 |  | \$185.50-\$195.00 | FALL BRED COWS |  |  |
| 500-600 |  | \$177.00-\$185.00 | 19 Red | Osborne-young | @1,910.00 |
| 600-700 |  | \$172.00-\$180.00 | 30 blk | Hays-young | @1,900.00 |
| 700-800 |  | \$170.00-\$180.50 | 7 bwf | Salina-young | @1,850.00 |
| 900-1,000 |  | \$140.00-\$150.00 | 15 Red | Salina-young | @1,850.00 |
| MONDAY AUGUST 8, 2022 |  |  | 14 blk | Hays-young | @1,825.00 |
| CALVES |  |  | 15 blk | Salina-young | @1,825.00 |
| 1 bwf | Plainville | 280@600.00 | 5 bwf | Osborne-young | @1,825.00 |
| blk | Wilsey | 280@575.00 | 5 Red | Salina-young | @1,800.00 |
| 1 blk | Barnard | 270@525.00 | 5 Red | Oakley-young | @1,800.00 |
| 1 blk | Barnard | 195@485.00 | 23 blk | Osborne-young | @1,800.00 |
| 1 blk | Hillsboro | 170@425.00 | 39 blk | Salina-young | @1,775.00 |
| 1 blk Abilene BULLS 170@325.00 |  |  | 12 blk | Medicine Lodge-yng | g @1,750.00 |
|  |  |  | 45 blk | Sedan-young | @1,735.00 |
| 1 blk | Randolph | 1950@132.50 | 25 Red | Wakeeney-young | @1,725.00 |
| 1 blk | New Cambria | 1860@125.00 | 5 bwf | Wakeeney-young | @1,700.00 |
| 1 Red | Abilene | 1675@124.50 | 17 blk | Frankfort-young | @1,700.00 |
| 1 blk | Ellsworth | 2060@124.00 | 7 bwf | Sedan-young | @1,675.00 |
| 1 blk | Barnard | 1880@123.50 | 12 blk | Salina-young | @1,625.00 |
| 1 blk | Wilsey | 2130@123.50 | 13 blk | Sedan-solid | @1,475.00 |
| 1 blk | New Cambria | 1755@119.50 | 43 blk | Medicine Lodge-soli | lid@1,425.00 |
| 1 blk | McPherson | 1955@119.00 | 43 Red | Medicine Lodge-soli | lid@1,425.00 |
| 1 Wf | Salina | 2265@117.50 | 28 blk | Sedan-broken | @1,250.00 |
| $1 \mathrm{blk} \quad \begin{aligned} & \text { Geneseo cows } \\ & \text { 1960@117.00 }\end{aligned}$ |  |  | 43 blk | Sedan-broken | @1,185.00 |
|  |  |  | 12 mix | Sedan-broken | @1,060.00 |
| 1 blk | Ellsworth | 1345@98.50 | 16 blk | Osborne-young | @185.00 |
| 1 Red | Plainville | 1460@96.50 | PAIRS |  |  |
| 1 Char | Beloit | 1290@96.00 | 11 blk | Salina-young | @2,200.00 |
| 1 blk | Geneseo | 1190@96.00 | 10 blk | Salina-young | @2,200.00 |
| 2 mix | Ellsworth | 1373@95.00 | 10 blk | Salina-young | @2,100.00 |
| 1 blk | Salina | 1595@94.50 | 4 Red | Salina-young | @2,100.00 |
| 1 blk | Salina | 1645@94.50 | 4 bwf | Salina-young | @2,050.00 |
| 2 mix | Geneseo | 1510@94.50 | 13 Char | Ness City-solid | @1,825.00 |
| 1 blk | Wilsey | 1675@94.00 | 12 Red | Ness City-broken | @1,400.00 |
| 1 Char | Randolph | 1265@94.00 |  | JRSDAY, AUGUST 1 | 11, 2022 |
| 1 blk | Halstead | 1455@93.50 |  | STEERS |  |
| 5 Red | Abilene | 1301@93.00 | 2 blk | Assaria | 510@207.00 |
| 1 blk | Tescott | 1605@92.00 | 5 blk | Longford | 632@203.75 |
| sows |  |  | 4 blk | Galva | 646@203.00 |
| 1 mix | Burdick | 715@75.00 | 6 blk | Newton | 654@202.00 |
| 3 mix | Burdick | 607@67.00 | 60 mix | Florence | 721@200.25 |
| 3 mix | Dighton | 488@67.00 | 39 blk | Florence | 667@200.00 |
| HOGS |  |  | 17 blk | Geneseo | 700@198.50 |
| 7 mix | Abilene | 265@81.00 | 5 blk | Tampa | 683@198.50 |
| 4 mix | Abilene | 273@80.00 | 16 mix | Salina | 721@196.00 |
| 3 mix | Moundridge | 277@79.50 | 17 blk | Newton | 740@194.50 |
| 4 mix | Moundridge | 298@79.00 | 71 blk | Wells | 785@194.25 |
| MONDAY, AUGUST 8, 2022 |  |  | 45 mix | Wells | 702@194.00 |
| SPECIAL COW SALE |  |  | 71 blk | Wells | 792@193.50 |
| bred helfers |  |  | 13 mix | Durham | 731@193.00 |
| 5 blk | Beloit | @2,025.00 | 142 blk | Wells | 800@192.50 |


| 5 blk | Beloit $\quad$ @2,025.00 142 blk Wells $\quad 800 @ 192.50$ |
| :---: | :---: |
|  | IN STOCK TODAY: <br> • Heavy Duty Round Bale Feeders <br> • Heavy Duty Feed Bunks |

famous liberator of slave and warrior of freedom John Brown, as he passed through on the way out of Kansas with his wo
son and son-in-law.
Town development
moved slowly. Many of he new immigrants were preoccupied with finding farms. Frustrated, Hinton noted in his journal that "No one seems to have any energy, or to care whether it is done," Hinton had come to defend Kansas, to ing that he needed to to the fight, soon set out for Topeka in command of thirty like-thinking men.
The men passed
hrough Holton, another hrough Holton, another
town that the Lane settlers founded after arriving in the territory. North of Topeka the town of Indianola was occupied by pro-slav-
ery forces planning to attack Topeka while the fending Lawrence. On the approach to Indianola a badly frightened man told them that the pro-slavery Hinton's men before going to "sack" Topeka.
"You wonder how I felt
then? I had never heard a gun fired in anger in my life, but if I recollect
right, I thought it a great

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ark I
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## Livestock Commission Co., Inc.

 Salina, KANSASSALE 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. 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


CATILEE USA com Lnve Catura Auctoons
FARMITRS \& RANCFITRS HAS SWITCHISD BACK to cattle USA.com for our online auctions.

## REMINDER!



Get your Horse Sale \& Colt Sale CONSIGNMENTS IN!

| 60 blk | Tampa | 766@191.50 | 6 blk | Hutchinson | 543@185.00 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 15 mix | Salina | 783@191.25 | 4 blk | Assaria | 509@184.00 |
| 54 blk | Florence | 780@191.00 | 30 blk | Assaria | 744@180.50 |
| 65 mix | Courtand | 796@191.00 | 16 mix | Salina | 743@180.00 |
| 16 mix | Galva | 696@189.00 | 14 blk | Marion | 700@180.00 |
| 128 blk | Wells | 863@188.35 | 10 blk | Newton | 602@180.00 |
| 54 mix | Florence | 773@188.00 | 18 mix | Bushton | 674@180.00 |
| 64 blk | Wells | 865@187.75 | 6 blk | Assaria | 612@179.00 |
| 8 blk | Longford | 733@187.50 | 7 blk | Grenola | 632@179.00 |
| 56 blk | Tampa | 830@187.50 | 77 blk | Wakefield | 796@178.50 |
| 64 blk | Courtland | 864@186.60 | 10 blk | Longford | 640@178.00 |
| 12 blk | Longford | 810@186.50 | 14 blk | Manhattan | 700@177.00 |
| 32 mix | Kanopolis | 794@186.50 | 6 blk | Galva | 615@177.00 |
| 9 blk | Randolph | 812@186.00 | 10 mix | Bushton | 733@177.00 |
| 128 blk | Wells | 880@185.00 | 20 mix | Longford | 747@176.50 |
| 41 mix | Durham | 850@182.00 | 20 mix | Bushton | 739@176.50 |
| 31 mix | Kanopolis | 935@179.00 | 10 blk | Geneseo | 649@176.00 |
| 119 mix | Wells | 870@178.25 | 2 bwf | Newton | 690@174.00 |
| 110 Char | Salina | 940@178.25 | 65 mix | Wilsey | 787@172.50 |
| 12 mix | Randolph | 936@173.00 | 8 Char | Holyrood | 718@172.00 |
|  | HEIFERS |  | 8 mix | Lindsborg | 976@150.00 |
| 7 mix | Hutchinson | 431@195.00 |  |  |  |
| 5 blk | Marion | 446@191.00 |  |  |  |

EARLY CONSIGNMENTS FOR THURSDAY, AUGUST 18:
75 black steers \& heifers, 600-750, home raise, vaccinated; 175 black teers, 900-975, off grass; 189 black/red steers, 800-850, off grass, all native; 25 black/char steers \& heifers, 550-700, home raise, weaned, vac-
cinated; 300 black/red/char heifers, $675-750$, off grass; 60 black/red steers \& heifers, 650-750; 80 mostly black, steers \& heifers, $575-600$, home raise, \& heifers, $650-750 ; 80$ mostly black, steers \& heifers, $575-600$, home raise,
2round vaccination, wean 60+days, open, no implants; 10 steers \& heifers, 2round vaccination, wean 60+days, open, no implants; 10 steers \& heifers,
$650-750 ; 120$ steers, 825 , off grass; 120 mostly black steers, 900 , off grass; 20 steers \& heifers, 700-800, vaccinated; 105 black \& red steers 900-925 of grass; PLUS MORE BY SALE TIME

## FALL CLASSIC CATALOG HORSE SALE

 OCTOBER 7-9FARMERS \& RANCHERS FUTURITY FRIDAY OCTOBER 7TH 10 A.M. ROPE HORSE PREVIEW FRIDAY OCTOBER 7TH 6 P.M.
FALL CLASSIC HORSE SALE SATURDAY OCTOBER $8^{\text {TH }} 10$ A.M.
$5^{\text {TH }}$ ANNUAL COLT \& YEARLING SALE SUNDAY OCTOBER $9^{\text {TH }} 10$ A.M.
For Information or estimates, contact:
Mike Samples, Sale Mgr., Cell Phone 785-826-7884
Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901


