AGRICULTURE'S LOCAL NEWSPAPER

Published by AG PRESS

66th Year

No. 22

July 28, 2020

\$1.00

Short's book profiles hope, healing after son's accident

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Lisa Short, whose son survived a horrible farm accident near Assaria in 2014, wrote a book to share the full story of tragedy and comeback.

"I wanted to write this book because it was an amazing story," Lisa said. "My granddaughter was only 13 months old when it happened. I wanted her, and others in our family and community, to know the strength and resilience of everyone involved."

The book is titled Nothing Short of a Miracle: A true story of faith, family, community and perseverance. It is sold on Amazon or from the family.

Sharing the beauty of how the saga unfolded, Short opens up the previously untold details of her son Zach and his wife Jodi who met at college in 2009, married in September 2012 and started their family with Brynlee a year

Zach always knew he wanted to farm. After finishing at Hutchinson Community College, he returned home as a fifth-generation farmer, working closely with his parents, Chris and Lisa, as well as his brother Matt.

"When you get your son back from an accident like that, there is no feeling to compare: It's such a blessing to have your son return after you'd thought you lost him and even be able to resume life and work back on the farm with a strong mind and good attitude," Lisa said.

"He didn't dwell on feeling sorry for himself. He wanted to move forward. We all admired that so much."

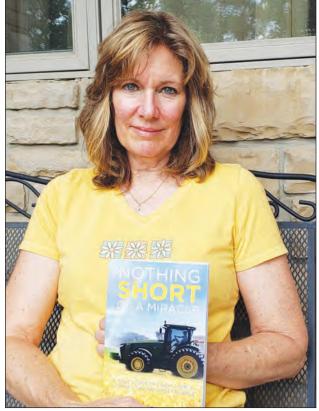
Dreaded Day

On Oct. 25, 2014, after a morning of preparing to harvest soybeans then grabbing lunch, Zach returned to the field where he was called on the radio about a potential tractor fire and rushed to the

Trying to quickly get to the fire on the other side of the tractor and grain cart, he grabbed hold of the cart's metal ladder to assist his leap over the hitch where the two pieces of equipment were attached. He was unaware that the auger of the grain cart was caught on a power line.

12,000 volts of electricity coursed through Zach's body, and he was unable to let go until he was knocked off with a plastic shovel.

Requiring CPR, Zach was immediately Life-Flighted to Wichita. From a prolonged coma, coding for nine minutes, surgeries to amputate parts of his legs, multiple surgeries in St. Louis to save



Lisa Short is shown with her self-published book, Nothing Short of a Miracle, which chronicles the family's journey of faith and perseverence after her son Zach was critically injured in a farming accident.

Courtesy photos



Now back to working on the farm, Zach is shown with his wife Jodi and daughter Brynlee.

his arm and a month's recovery at University of Kansas Hospital's rehabilitation unit in Kansas City, Zach mounted an amazing comeback.

"It was a story to give other people hope to go through challenges," Lisa said. "It's a powerful testament of God's presence in our lives. It can give others a reason to check in on their faith."

Continuing with physical and occupational therapy, Lisa said the entire affair was worth documenting and not forget-

"Zach didn't read the book right away because he didn't initially want to revisit those times and feelings," Lisa said. "But just before I was ready to publish, he read it and learned a few things he hadn't been aware of, saying, 'I knew it was hard on everyone but I didn't realize how hard or how much you all went through until I read this."

Profiling the Early Days

Lisa began the book early years.

with heartwarming stories of Zach's childhood and "I started telling the

history of the story of

Zach," Lisa said. "I told

some of the stories of him growing up on the farm and a little about his personality."

Zach seemed to be accident-prone from toddler years to high school, visiting the local emergency room at the hospital several times.

"It seems like there's always one kid in every family prone to more accidents. He's the one in our family."

Between broken bones, stitches and multiple concussions, Zach visited the emergency room nine times. None of them were farm-related.

"But he just kept going," Lisa said. "We thought the string of bad luck was all over once he graduated high school, like he had outgrown most of it; but then the big one hit with the accident in 2014. It was worse than all of them put together."

Power of Reflection

In looking back on the entire process of writing the book. Lisa noted the ways everything fell into place, even in light of massive tragedy.

"I realized how many times God came through for us," Lisa said. "God put the right people at the right time in the right alive.

Seeing the story play out, Lisa felt faith in ac-

"It was as if God had orchestrated events to help us," Lisa said. "When I wrote about it, I saw how everything following Zach's accident came together and worked for good."

Changes in Relationships

Lisa's work on the book noted transitions in the family roles as parents, spouses, siblings and more.

"That was something that took time and understanding," Lisa said. "I learned that the relationships changed with so many aspects."

Chris and Lisa witnessed their own transitions in trying to parent, grandparent and love on everyone in their family in personalized ways.

"When tragedy happens in a family, separations sometimes happen," she said. "My husband withdrew, falling into depression because he couldn't fix the problem. He began to go down a bad road for a while."

While Lisa spent weeks away in St. Louis with Zach, Jodi and Brynlee at the hospital, Chris stayed on the farm where he had to keep business going.

"We couldn't see each other like normal, and we grew apart," Lisa said. "Chris was holding in hurt and anger about Zach's situation and all of our circumstances. He and I were not ourselves. But as Zach got better, Chris got better too. He started to mend; as we all did."

It took a couple of years to heal from the post traumatic stress syndrome for several family members.

"The emotional toll and going through it all together," Lisa said. "writing the book caused me to reflect back, giving me a better understanding of all our family's reactions to the hard times. I was able to move on and forgive more."

Laying it on the Line The book profiles the

deep personal anguish of how to regain peace.

"There are people who left book reviews online. and they mention that I didn't sugarcoat anything," Lisa said. "Readers can relate and feel my heart."

While Zach was in the hospital bed, the book also shows the sidelines.

"Zach was drugged or out of it most times, but I wrote about his wife and my older son, Matt, who is so close to his brother. It was hard for Chris, Matt and also our daughter Kelsey to be away from the hospital with worry, and hard to watch them hurt."

Yet the family was grateful because Zach was



The Short family rallied around Zach as he began his long road to recovery.

"It was like a year was taken away," she said. "Our daughter had just had her first baby; our first grandson, and with that happy time we missed out on some of those months because of our focus on

Writing Process

Zach's healing."

To chronicle the story, Lisa said she felt new levels of healing.

"I carried along my laptop whenever Chris and I took trips together," Lisa said. "The whole time we drove in the pickup, I typed away. As I was putting the story together during those drives, Chris gave me his input about what he thought should be mentioned in the book. I read to him the things I was writing. That led to talking about feelings that we hadn't discussed with each other before. It was very therapeutic to our healing."

It took two years of writing and six months of editing.

"I told myself I wouldn't do any hobbies until my book was complete," Lisa said. "I lost a lot of rest over putting that book together because of the memories that would come to me in my sleep. I couldn't get them off my mind until I wrote them down. The important thing was that I just wanted to tell the story."

Her goal wasn't to make money or sell a huge number of copies. The book is sold mostly by word of mouth.

"I wanted to get it out there to help people," Lisa said. "Sometimes it felt like I'd never finish

it. I'd find something that didn't accurately convey what I wanted to say and I'd rewrite it. Finally It got to the point where I was happy with it. I pushed the publish button, and it was a sense of accomplishment. 'I did it. It's done!"

Lisa released the book the Saturday before Easter to give a feeling of hope.

"Taking advice from someone who wrote 45 books, I followed her lead and decided to self-publish," Lisa said. "Reading was so popular this spring and summer due to COVID, so it was good timing.'

Lasting Messages The Shorts unveiled

new levels of how the accident and recovery affected each of them individually.

"Chris opened up and told me more than I even knew at the time," Lisa said. "He was escaping and hurting so hard. I held on to the fact that when things are hard, it's best to turn to God. You have to keep your mind open and know that what happens will be okay. As awful as it would have been, If Zach didn't make it, we'd find a way to be okay too."

Lisa also wanted to pass along messages of how to take care of yourself and each other in intense times.

"Be there for each other and know that tomorrow isn't promised to anyone," Lisa said. "I have great appreciation for life and all of the daily little things. When you almost lose your son, your eyes open to appreciating all the things you never want to take for granted."

USDA to survey county small grains acreage

The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) will survey producers in 32 states, including Kansas, for its 2020 small grains County Agricultural Production Survey (CAPS).

The survey will collect information on total acres planted and harvested, and yield and production of small grains crops down to the county level. CAPS will provide the data needed to estimate acreage and production of selected crops such as barley, oats, and wheat in the United States.

"The data provided will help federal and state programs support the farmer," said Doug Bounds, Kansas state statistician. "I hope every producer understands the importance of these data and will take the time to respond if they receive this survey. Producers can lose out when there are no data to determine accurate rates for loans, disaster payments, crop insurance price elections and more. When enough producers do not respond to surveys, NASS is not able to publish data. Without data, agencies such as USDA's Risk Management Agency or Farm Service Agency do not have information on which to base the programs that serve those same producers.'

You are encouraged to respond online at agcounts. usda.gov, or by mail. Alternatively, within the next few weeks NASS representatives will contact selected Kansas growers to arrange telephone interviews to complete the survey.

NASS safeguards the privacy of all respondents and publishes only aggregate data, ensuring that no individual operation or producer can be identified, as required by federal law.

Survey results will be published on the NASS Quick Stats database (https://quickstats.nass.usda.gov/) at 2:00 pm Central on Thursday, Dec. 10, 2020. For more information on NASS surveys and reports, call the NASS Northern Plains Regional Field Office at (800) 582-6443. Page 2 Grass & Grain, July 28, 2020

KANSAS FARM BUREAU

The Voice of Agriculture

Keeping Perspective in Politics

By Jackie Mundt, Pratt County farmer and rancher My 35th birthday is this

My 35th birthday is this week. Though some women beyond their 20s don't like to share their age, I have no problem admitting it.

This birthday feels like the last of my "young person" milestones. I will legally be old enough to run for president of the United States of America.

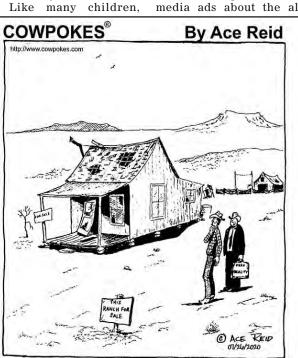
The moment doesn't have the same anticipation of independence that came with acquiring the ability to work, drive, vote or drink. It is an aged and mellow satisfaction, born of the knowledge that I have reached the point where the Founding Fathers believed an individual had enough life experience to be able to lead the country.

I dreamed about what it would be like to hold the highest office in the land, but as an adult, the idea actually seems pretty undesirable.

The world of politics

has become so divisive and cruel. It often feels like watching children in a schoolyard. There is name-calling, he-said/shesaid arguments, pouting when you don't get your way, over-reactions to perfectly normal disagreement, no filter of what is polite or helpful, and a strange occurrence where someone who isn't like you becomes a monster.

During a campaign season, it seems to become even worse. Between vilifying TV commercials, stacks of hateful postcards and a barrage of social media ads about the al-



"Jake, you can move in without fixin' the roof 'cause if it ever rained here this place wouldn't be

leged evils of candidates, you have to have strong armor to weather it all. And don't think this is just at the federal level; I see it in local races too.

The craziest part of this is we do have people who answer the call to serve. In fact, I think most politicians are good people who feel compelled to serve and are trying to do what they think is best. These people endure harsh criticism and try their best to represent the interests of all their constituents, even the ones that just called them evil.

So, as the horrific elec-

tion season rolls on, I want to say thank you to the individuals at all levels who have raised their hands and are vying to serve as elected officials. I appreciate your willingness to serve despite all the negatives, like experiencing criticism no matter how good you are at the job. My attitude of gratitude is a product of a deeply held belief that you are a person who wants to make the world better. In addition to my

heartfelt thanks, I offer a commitment to my fellow Americans who put themselves out there to serve: I will always do my best to be polite and treat you with respect, even if I disagree with you. I will listen openly to the information you share and be willing to provide my opinion and experiences with you in a civil manner. When you make a decision I don't agree with, now or after being elected, I will do my best to temper my disappointment and seek to understand how you arrived at your conclusion. Most importantly, I will continue to look for the best in you not the worst.

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



It is the silly season of politics again. It seems like we had an election just a couple of months ago rather than a couple of years ago. I guess it only seems like it was just yesterday because I am still trying to get over the sheer volume of campaign propaganda I got from the last go-round. I guess all of it is good for our TV, radio, people who design ads, print shops, etc..... who create and distribute all the ads, fliers and letters, but to the rest of us it is just stuff to be ignored or to be placed in the round file.

I once thought that maybe the best way to do it would be to pass along the money spent on mailers and flier to each person. Then the candidate with the biggest contribution to my cause would get my vote. Okay, obviously I am joking because if the truth were known I probably would react the other way and the one who bothered me the most is the least likely to get my vote. Especially those who insist on making phone calls like the one I just got.

I marvel at the quantity of the ads, whether they are filling up my mailbox, one of the constant streams of ads on the radio or TV or one of the annoying phone calls like I just mentioned. I also am aghast and dismayed by the tone of the ads and the negativity. Last night I saw three ads in a row that went something like this: Candidate A is the law and order choice in the upcoming election, he will keep your family safe. The very next ad was from Candidate B saying that Candidate A was a depraved criminal who breaks the law. That ad was followed by an ad from Candidate A saying Candidate B was lying about Candidate A in the previous ad. No wonder people are fed up with elected officials; you do not know who to believe

I have an idea. How about making an ad that only talks about your ideas and what you will do if elected and not about your opponent's faults and mistakes? I know... and maybe pigs will fly. The truth of the matter is that negative campaigning works and it is because of each of us. We do not take the time to

find out where our candidates stand on

if anyone.

issues or to do our real research. Instead we listen to short bursts and sound bites, because that is all we have time for. I wonder and worry about how many voters make their decisions based on the negative ads.

Do not get me wrong. I firmly believe that each of us must take an active role in elections. What that role is, is up to you. At the very minimum do some research on the candidates, look at the incumbents' voting records and find out why they voted like they did. Do not let the other candidate pick and choose and take a vote out of context. Then go to their website and see what they say about issues that matter to you. Better yet, go to a meet and greet with the candidate and ask them questions yourself. You can learn a lot from meeting them in person. If they are not out in your community that also says a lot about how they will govern if elected.

The next level of involvement is to help with a campaign. That can be as simple as putting up yard signs. It is a easy way to get involved, but it can be powerful to let your neighbors know who you support. On the flip side, if your neighbor puts up campaign signs be courteous; they are showing their support and you should respect it even if you might not agree. That leads to the next thing you can do, and that is to talk to your friends and neighbors about which candidate you support and have those friendly, polite discussions. That is what politics done right are all about. No one is completely right or wrong and everyone is allowed their opinions.

everyone is allowed their opinions.

I don't even begin to think I speak for anyone but myself but I am disappointed in the tone and negativity of this campaign and I realize it is only going to get worse as we get closer to November. I wish we could debate issues and ideas and make our decisions on the merits of them. We need to find candidates who share our beliefs and ideals and back them. The bottom line is that we all need to become more involved in the process. In the meantime, it's okay to turn the

volume down when the ads come on.

Prairie Ponderings By Donna Sullivan

When Facebook and other social media platforms first came into existence, I don't think anyone ever really imagined the impact they would come to have on our society. What was initially designed as a communication tool for college students now runs through every age group from children to senior citizens. It's a fun way to stay connected with family and friends, and to reconnect with old classmates.

But over time, social media has

evolved into so much more, and in my opinion, has completely skewed the way we see the world and how we treat each other. Facebook is often the first place people learn of breaking news stories. Accurate or not, by golly, it's fast. And somehow, right or wrong, it also has credibility with people. We can just check our critical thinking skills at the door and scroll through the posts, believing we can trust them since most are by people we are "friends" with or sources that target us based on the profiles their algorithms create on us.

Then, just like with everything else in the world, corruption crept in. There is such as thing as "trolls" that put false information on social media and make it look as believable as possible. The end result is people believing and spreading inaccurate information and citing dubious sources who do nothing to actually bolster the truth.

But what bothers me even more than the credence given to social media "news," is the way the platform seems to sometimes bring out the ugliest elements of society. Things we would never dream of saying to someone to their face somehow becomes okay to say on social media. Something that initially was a way to connect people has become yet another way to divide us. Like we needed that.

I've seen so much hate and divisiveness that for a brief time I considered getting off of Facebook altogether. But then I realized that would be allowing hate to win. For me, Facebook has always just been a good way to keep in touch with family and friends near and far. It's fun to watch the antics of their kids and grandkids, as well as the day-to-day happenings in their lives. I don't agree with all my friends politically, but then again, I don't have to. And I don't go to Facebook as a news source, because Facebook. Is. Not. News.

Just like it's easy to make it look like you have a perfect life on social media by only posting the good stuff, it's also possible for social media to make us look like a hopelessly divided, dysfunctional and fractured nation. If the only lens we choose to look through is what social media tells us about ourselves, it would be easy to believe that description. But I'd rather look through the lens of knowing people for who they really are and overlooking our differences to find common ground that we can work from.

Call me an idealist if you want – you won't be the first. Make fun of my rose-colored glasses – I've heard it before. But I prefer to think of them as Grace Glasses – lenses that purposefully look for the good in people and invite them to see the real me – short-comings and all. If we're real enough and honest enough with each other, I believe we can begin to work through all the issues that seem to divide us. If you agree, feel free to "friend" me on Facebook. I've got some really cute pictures of my grandkids.

Flint Hills Discovery Center extends hours

Effective Tuesday, July 21, the Flint Hills Discovery Center (FHDC) has extended the limited operating hours that were established the end of June.

Hours of operation will be as follows: Tuesday-Saturday 10:00 a.m.-5:00 p.m. and Sunday 12:00 p.m.-5:00 p.m.. The FHDC will continue to be closed to the public on Mondays for routine maintenance and additional cleaning.

FHDC staff have worked diligently to put new safety and cleaning measures into action to make sure guests feel safe and comfortable when they visit. As the FHDC is a high-touch environ-

ment, guests may notice some changes throughout the building. All areas of the building are open, but some areas are limited.

The first floor permanent exhibits displaying the history and culture of the Flint Hills remains open. The Horizon Ranch Immersive Theater remains open with a limited capacity of 30 guests per showing. The second floor exhibit areas are limited to 50 guests in the children's Prairie Playscape and our traveling exhibit, American Adventure exhibit. The outdoor Prairie Garden Terrace and Trail remains open. For a dures, visit //flinthillsdiscovery.org/reopen.

In addition to reopening the facility this summer, the FHDC is offering in-person Adventure Camps for children entering grades 1-6 and Preschoolers in the Flint Hills programs for children ages 3-5. More information about upcoming programming and to register, visit //flinthillsdiscovery.org/programs.

To learn more about the Flint Hills Discovery Center reopening procedures and programs, visit //flinthillsdiscovery.org/, call 785-587-2726 or visit 315 S. 3rd St. in Manhattan



GRASS & GRAIN Published by AG PRESS

785-539-7558
Fax 785-539-2679
Publisher – Tom Carlin

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GRASS & GRAIN (USPS 937-880)
The newsweekly for Kansas and southern

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

Box 1009, Manhattan, KS 66505.

Subscription — \$76 for 2 years. \$41 for 1 year, plus applicable sales tax. Outside

Kansas, \$51 for 1 year, \$95 for 2 years. **MEMBER OF**

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cy. The Fair survives on

what it makes from each

Fair, which includes gate

admission, grandstand

entertainment, food and

beverage sales and ven-

dor fees, plus RV park

and non-fair

The Kansas State Fair

will not do."

rentals

Due to the cancellation of the 2020 Kansas State Fair and lack of anticipated revenue. Robin Jennison, the Fair's general manager, announced he is stepping down. Jennison sent his resignation to the board recently stating it was an effort to help keep the jobs of full-time employees who work all year to make the Fair an annual tradition. The Fair board voted unanimously Monday to cancel the 2020 Fair, scheduled for Sept.

COVID-19 has had and will continue to have on the Kansas State Fair will be significant," Jennison said in the letter. "It is my intent that — in serving as the first casualty - it hopefully will lessen the impact on our other em-

"It will be a welcome surprise if the Fair is able to weather this storm without some furloughs or even a reduction in workforce," Jennison added. "Having the high-

In a letter to the Kansas Division of Budget, Jenniation and reminded them the state still owes the Fair its statutory share to the State Fair Capital Improvement Fund.

The Kansas Legiswas required lature to match what the Fair put into the fund - up to \$300,000 each year - to help with building upkeep and improvements. However, those transfers were not made regularly, or on occasion, adequately, for several years - leaving the Fair at a more

to the account.

Subsequently, legislation passed in 2018 allows the Kansas State Fair to capture the portion of sales tax that is generated on the Kansas State Fairgrounds to cover the state's statutory share. In 2019, this generated about \$312,000. However, without the sales tax collections for the 2020 Fair, not only will the Fair not be able to make the \$300,000 transfer to the capital improvement fund, but it won't collect that amount in sales tax dollars, ei-

The first official Kansas State Fair was held in September 1913. For 106 uninterrupted years, the Fair has been the state's

Spanish flu, World Wars or the 2001 terrorist attacks halting the annual end-of-summer rite.

Jennison said protecting the future of the Fair and its employees is the

highest priority. "It has been my great privilege to be given this opportunity to work with an absolutely great staff that love their jobs, work well together and are not afraid to think outside the box," he said. "That is what it will take to get past this, and we need to do all we can to protect the Kansas State Fair's most valuable asset, our

employees.' The 2021 Kansas State Fair is Sept. 10-19.

PRECISION AERIAL APPLICATION: Pasture \ Crop \ Government

Study quantifies value of red meat exports to U.S. corn, soybeans crop was \$6.26 billion. USMEF President and

Export Federation

Since 2015, indirect exports of corn and soybeans through beef and pork exports has been the fastest-growing category of corn and soybean use, delivering critical returns for corn and soybean farmers. These producers support the international promotion of U.S. beef, pork and lamb by investing a portion of their checkoff dollars in market development efforts conducted by the U.S. Meat Export Federation (USMEF).

USMEF has released an updated version of the independent study aimed at quantifying the value red meat exports provide to U.S. corn and soybean producers. The original study was conducted in 2016 with updates also released in 2018 and 2019. Key findings from the latest version, which utilizes 2019 export data, include:

Value of Red Meat **Exports' Feed Use of Corn** and Soybeans

In 2019, U.S. beef and pork exports used 480 million bushels of corn. Corn revenue generated by pork exports totaled \$1.8 billion (480 million bushels x average annual price of

ports used 2.12 million tons of soybean meal, which is the equivalent of 89.2 million bushels of soybeans. Soybean revenue generated by pork exports totaled \$751.7 million (89.2 million bushels x average annual price of \$8.43/bushel).

Beef and pork exports also used about 3 million tons of distiller's dried grains with solubles (DDGS) in 2019 at an annual average price of \$137/ ton. This generated \$411.8 million in revenue for ethanol mills' co-products.

Value to U.S. Corn and Soybean Crop from Red Meat **Exports**

In 2019, beef and pork exports contributed more than 12% of the per bushel price of corn (\$0.46/bushel) of an annual average price of \$3.75/bushel. With total production of 13.62 billion bushels, the value of pork exports to the U.S. corn In 2019, pork exports

contributed 9% of the per bushel price of soybeans (\$0.76/bushel) of an annual average price of \$8.43. With total production of 3.55 billion bushels, the value of pork exports was \$2.7 billion to the U.S. soybean crop.

"The value of red meat exports to corn is higher than the previous year, both in cents per bushel and percentage of total price," explained Dave Juday, senior analyst for World Perspectives, Inc., who conducted the original study and subsequent updates. "Soybean prices last year trended lower overall, so the total value of pork exports to U.S. soybeans - in terms of cents per bushel - is not as large as in our last update. But the value added as a percentage of the per bushel price remained steady."

CEO Dan Halstrom said quantifying the value delivered by beef and pork exports is reassuring to corn and soybean producers, who provide critical support for USMEF's efforts to expand global demand for U.S. red meat.

times for everyone in U.S. agriculture, with producers facing difficult choices every day," Halstrom said. 'USMEF greatly appreciates the foresight and confidence shown by the corn and soybean sectors when they invest in red meat exports, and this study provides a detailed analysis of the value delivered by that investment."



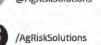




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KURT SCHWARZ LaCygne, KS

ATTENTION 4H & FFA MEMBERS:

WE WANT YOUR 2020 FAIR PROJECT PHOTOS!

COVID has altered the way fairs are being done this year. If you completed a project in any category, regardless of whether you were able to take it to the fair, please send us a photo to publish in the **Grass & Grain Youth Project Showcase!**

Include your name, age, county, and 4-H club you belong to, as well as a brief description of the project. Photos will all be published throughout the summer.

Email your photos and information to the editor at gandgeditor@agpress.com





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

COOL CUCUMBER SALAD

1 medium cucumber, quartered & sliced

1 medium tomato, chopped

1/2 cup chopped green pepper

1/3 cup chopped sweet onion

2 tablespoons lime juice

2 tablespoons red wine vinegar or cider vinegar

3/4 teaspoon dill weed 1/2 teaspoon salt

1/4 teaspoon pepper

In a large bowl combine the cucumber, tomato, green pepper and onion. In a small bowl combine lime juice, vinegar, dill, salt and pepper. Pour over cucumber mixture; toss to coat. Cover and refrigerate for 15 minutes. Serve with a slotted spoon. Makes 4 servings.

Millie Conger, Tecum- 2 2/3 cups half & half

MINI CHEESECAKES

(3) 8-ounce packages of

cream cheese

1 cup sugar 4 eggs

1 teaspoon vanilla 1 box vanilla wafers

1 can cherry pie filling Heat oven to 350 de-

grees. Line muffin pans with paper liners. Place a vanilla wafer in the bottom of each paper liner. Beat cream cheese, sugar, eggs and vanilla until smooth. Place heaping tablespoon of cream cheese mixture on top of each vanilla wafer. Bake for 15-20 minutes. Cool and remove from the pan. Just before serving remove from liners. Spoon pie filling on

Sharon Vesecky, Baldwin City:

PINEAPPLE SHERBET

2 2/3 cups milk 2 2/3 cups crushed pineap-

ple (drained) 2 cups sugar

2/3 cup light corn syrup

Vanilla flavoring

Milk to fill freezer canister to fill line Mix first six ingredients. Pour into ice cream

freezer canister. Finish filling the canister to the fill line with milk. Freeze according ice cream freezer directions. Makes 16 servings.

Jackie Doud, Topeka: SAUERKRAUT SALAD 1 medium can sauerkraut,

drained 1 cup onion, diced

pimiento, 2-ounce jar chopped

1 cup sugar 1 cup celery, diced

1 mango pepper, diced

Mix all ingredients. Cover and refrigerate for 24-48 hours before serving.

Susan Schrick, Hiawatha:

QUICK COFFEE CAKE 1 box yellow cake mix

1 small package instant va-

nilla pudding 1 small package instant

butterscotch pudding

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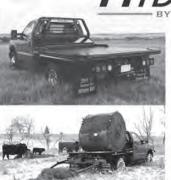
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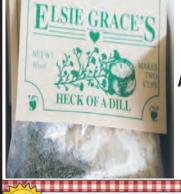
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The winner each week is selected from the recipes printed. Send us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you. 1. Check your recipe carefully to make certain all ingredients are ac-

curate and instructions are clear, 2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery. 3. Send it to: Woman's Page Editor, Grass & Grain,

Box 1009, Manhattan, KS 66505. OR e-mail at: auctions@agpress.com 1 cup water 1/2 cup oil 4 eggs

Topping: 3 tablespoons butter 3/4 cup brown sugar 1 teaspoon cinnamon

Preheat oven to 350 degrees. Combine cake mix and puddings. Combine oil, eggs and water; mix into dry ingredients. Pour half of batter into a greased and floured 9-by-13-inch pan. Combine topping ingredients and sprinkle half on top; repeat layers. Bake for 32 minutes.

Kimberly Edwards. Stillwater, Oklahoma:

NO-BAKE HAYSTACKS 11-ounce bag butterscotch

1 cup creamy peanut but-5-ounce can chow mein

noodles 1/2 cup salted peanuts, optional

Line baking sheet with waxed paper. Melt chips and peanut butter until smooth. Work fast and stir in noodles and peanuts. Work fast and drop

by spoonfuls onto waxed

paper.

Annette Reilly, Abilene: "The beauty of this light salad is it can be made with whatever dressing you like, in any quantity, and with any combination of similar ingredients." DRESSED

ZUKES & CUKES

4 to 6 unpeeled, tender-skinned zucchini Dressing of your choice 1 slicing cucumber, peeled

1 sweet onion, peeled, sliced & broken into ringlets

Alternately layer thinly sliced zucchini, cucumber and onion. Pour thin narrow ribbon of dressing of your choice on top. Toss to coat. Add more dressing as desired.

NOTE: The cucumbers weep out a lot of moisture. We actually prefer using just squash and onion with a creamy dressing, either Vidalia onion, poppy seed or creamy Italian. Use tender yellow summer squash

Kellee George, Shaw-

SUNSHINE CARROTS 15 medium carrots

3 tablespoons sugar 3 tablespoons cornstarch 3/4 teaspoon salt

3/4 teaspoon ground ginger

3/4 cup orange juice 6 tablespoons butter Prepare carrots in

1-inch chunks. Cook covered in boiling water until tender, about 20 minutes; drain. Combine sugar, cornstarch, salt and ginger in a small pan. Add orange juice; cook stirring constantly until thick and bubbly. Stir in butter. Pour over hot carrots.

> Darlene Thomas, Delphos: BEEF SPINACH

HOT DISH 1 pound ground beef

1 medium onion, chopped 2 garlic cloves, minced 4-ounce can mushroom

stems & pieces, drained 1 teaspoon salt

1 teaspoon dried oregano 1/4 teaspoon pepper (2) 10-ounce packages fro-

zen chopped spinach, thawed & squeezed dry 10.75-ounce can condensed cream of celery soup, undiluted

1 cup sour cream

2 cups shredded Mozzarella cheese, divided

In a large skillet cook beef, onion and garlic over medium heat until the meat is no longer pink; drain. Stir in the mushrooms, salt, oregano and pepper. Add spinach, soup and sour cream. Stir in half of Mozzarella cheese. Transfer to a greased 2-quart baking dish. Bake uncovered at 350 degrees for 15 minutes. Sprinkle with the remaining cheese and bake 5 minutes longer or until cheese is melted. Yield: 6 to 8 servings.

Rose Edwards, Stillwater, Oklahoma:

FRUIT SALAD

20-ounce can pineapple chunks, drained & save iuice 15-ounce can mandarin or-

anges 1 cup green grapes

2 apples, cored & sliced 2 large bananas, sliced

1/2 cup sugar 2 tablespoons cornstarch

1/2 cup orange juice 1 tablespoon lemon juice

Drain pineapple and combine that juice with sugar, orange juice, lemon iuice and cornstarch. Cook until smooth and thick. Cook 2 minutes longer and cool. Place fruit in a bowl and pour sauce over fruit and chill.

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My niece, Mika, shares

my need for routine, being

a creature of habit and

the need to know what

is always going on. She

loves to know who she is

going to see in a day, and

she wants to know exactly

what she is going to be

doing. If you are leaving

her for any reason, she

wants to know where you

are going, who you will be

with and what you will be

doing. She needs to know

sister-in-law transitioned

her over into her big girl

bed, they put it up against

the wall with a window

and it quickly became our

nightly ritual for me to

stand outside her window

and talk to her before I

would leave them in the

evenings if I had come to

visit. Country life is quiet-

er than city life for sure,

but it still would be hard

to hear her at times. My

brother, being the prob-

lem-solver that he is, went

about figuring out a solu-

tion; he installed a tele-

com system between both

nieces' bedrooms and set

up a station outside. This

gave us the opportunity to

pick up a phone and be

able to talk to each other

with absolutely no issues.

and books, I gave her a

hug and told her I was

going to go outside to talk

to her. Her sister, Chloe,

heard that and wasn't

about to miss her oppor-

tunity to talk as well. We

chatted for a few minutes

as Mika hung around in

her window talking into

the phone waiting for me

to pick up. Once I got over

to Mika, she told me all

about her day and what

she was going to be doing

the following day. When

my dad showed up to pick

up his dog, she gave me

the full narrative on that

as well and how she wants

her dog, Moose, to sleep

tened intently but even-

Last night after bath

When my brother and

Baking With Sugarbuns By Michele Carlyon

Lightning Bugs

tually told her I needed

to run an errand with her

dad, and I would be right

Once we pulled back in, I waited to see if her shade was going to raise and sure enough it did. She asked all of her typical questions of where we had been, what we had done and she desperately needed to know what her daddy got from Taco Bell for dinner for him and mommy. After getting the answers she wanted/needed, she looks at me with those big blue eyes and said, "Boo Boo, do you ever look out your window at night and just watch the lightning bugs, because I do, they are so pretty."

The goosebumps flew up my arms as I realized yet again that this three-year-old little girl is wise beyond her years. I can't help but to wonder what we all did right to deserve her love, her grace, her curiosity, her spunk, her sass, and her in general. At the exciting age of three, she can find the beauty in the smallest of things; she might not know it, but she fully realizes the importance of slowing down and taking in surroundings and being appreciative of everything that surrounds us. Yet again, I am reminded that there is so much to learn from these little humans and quite frankly, they are the best

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

with her, but she is afraid he might fall out of the If you would like to conbed or that he might be tact Michele with comments scared without her mom please email mcarlyon88@ and dad with him. I lis-



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MANHATTAN - It's common in most grocery stores this time of year to find shoppers who swear by the theory that a good "thump" on the outside of a watermelon is a sure way to pick a winner.

Ward Upham, a horticulture expert at Kansas State University, says there's a more scientific way to take home a great-tasting water-

"Ripe watermelons normally develop a yellow color on the 'ground spot' when ripe," Upham said. "This is the area that contacts

the ground." Upham said the depth of the yellow varies depending on the type of melon. "Most striped melons should have a bright, buttery yellow color, and dark green watermelons a deep yellow color. Light green melons develop a light yellow coloration. As a general rule, if the ground spot has a cream-like, off-white color, the watermelon is not ripe."

When picking watermelons in a field, Upham advises looking for the tendril that attaches at the same point of the melon to dry and turn brown. "On some varieties, this will need to be completely dried before the watermelon is ripe," he said. "On others, it will only need to be in the process of turning brown."

A ripe watermelon typically will develop a roughness on its surface (sometimes called sugar bumps) near the base of the fruit. In the field, that's when growers should harvest the fruit.

Many other melons also are in season right

"Muskmelons are one of those crops that tell you when they are ready to be picked," Upham said. "As a melon ripens, a layer of cells around the stem softens so the melon detaches easily from the vine.

This is called 'slipping' and will leave a dishshaped scar where the stem attaches."

When harvesting muskmelons, he notes, put a little pressure where the vine attaches to the fruit. "If it's ripe, the melon will release, or 'slip," he said.

Ripe melons usually will have the dishshaped scar where the stem was attached. Upham added they will also have a pleasant, musky aroma if they've been held at room temperature for a period of time, rather than refrigerated.

"Honeydew melons are the most difficult to tell when they are ripe because they do not 'slip' like muskmelons," Upham said, noting that the Earlidew variety is an exception. "Ripe honeydew melons become soft on the flower end of the fruit, which is the end opposite where the stem attaches. Also, honeydews should change to a light or yellowish color when ripe, but this varies with

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

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

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

K-State Research and Extension local offices, www.ksre.k-state.edu/ about/stateandareamaps.html

By Ashleigh Krispense

A golden cornbread sizzles in a deep, black skillet as it's set out to serve. From Cookie's campfire to great-grandma's stove, to your kitchen today. Cast iron skillets are one of the most versatile pieces of cookware you'll own: Steaks can be seared, onions sautéed, and brownies baked, all in one trusty, iron pan (just not at the same time!).

There are some common myths that follow the cast iron skillet around, two of them being:

They're difficult to care for and they can't be washed with soap.

different peo-While ple will have different approaches to caring for their cast iron, I am a fan of keeping things simple. I use mine daily and they almost always get a wash afterwards — with soap. Some will say that using soap takes away or ruins the seasoning that the skillet needs and builds up over time. I've found this not to be an issue though. After years of using them, I still find that a skillet can withstand a quick wash (avoid submerged soaking for long periods) and be just fine. One of my skillets will stay smooth and have almost an oiled finish even after wash-

Once you wash the skillet, dry it out with a paper towel, and pour a little bit of canola oil into the pan (about the size of a quarter). Using a dry paper towel, thoroughly wipe down the inside and outside of the pan. Wipe away any excess oil (more is not better in this case!) and set away to store. I usually store mine inside my oven when it's not in use.

What kind of cookware should I get?

I haven't met anyone that ever said they preferred a gritty cooking surface of a more modern skillet to the smooth surface of many older skillets. So assuming

you feel the same way, there are both a few modern and vintage options I would suggest looking at! Personally, I enjoy using

old skillets. There's something kind of fun about finding, restoring, and using what was once just a dirty, old skillet. While you need to be careful to look out for pitting, warped skillets, and cracks, sometimes just the thrill of the hunt is worth it! Wagner Ware and Griswold are two of the most popular vintage brands, but I also enjoy the BSR (Birmingham Stove & Range Company) pieces. Some others you might be on the lookout for could include: Favorite Stove & Range Company (or Favorite Piqua Ware), vintage Lodge pieces, and Wapak Hollow Ware Company (usually just goes by Wapak). There are many other brands out there, as well as skillets that are "unmarked" or missing a logo, but are still valuable and can sometimes be identified by other characteristics.

While many of the modern skillets today are of cheaper quality and poor craftsmanship, all hope is not lost! There are still some companies that can produce fine pieces with smooth interiors. I personally don't own any of these brands, but know someone that has a brand new Field skillet. It's beautiful! Here are some companies I would look to order from if wanting a modern cast iron skillet: The Field Company, Smithey Ironware Co., and Butter Pat Industries.

Grass & Grain, July 28, 2020



Make everything. No, re-

ally! (and then invite me over to help sample!). While there might be a few things to not do in your skillet, I've found about the only thing I avoid somewhat is making sauces in it. I feel like the sauce can take on a bit of an off flavor when I make it in my cast iron vs. stainless steel pans. Otherwise, you can do just about anything with these pans! I have a wonderful marinated steak that I sear well in my skillet before slowly baking it in the oven over a period of a few hours. You can also make a pan of brownies, fry some hamburgers, fry eggs and bacon, make a deep dish pizza or fried chicken, and so much more! I'm hungry just thinking about it.

If you have a skillet you aren't sure the brand of, feel free to send me an email at contact@prairiegalcookin.com. Likewise, if you have a Wapak skillet with the Indian chief logo or an Griswold Erie with the spider web logo, please shoot me a message! I'd love to see them. Happy cooking!

Ashleigh is a freelance writer and the gal behind the website, Prairie Gal Cookin' (www.prairiegalcookin.com), where she shares step-by-step recipes and stories from the farm in Kansas. Follow PGC online or like it on Facebook for more recipes and ram-

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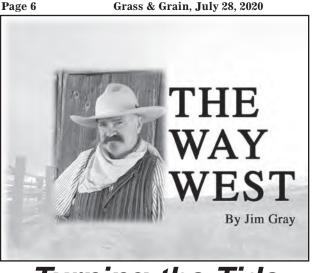
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Turning the Tide and slaughtered the entire

Late in July, 1853, the Cheyenne and the allied tribes of Arapaho, Sioux, Kiowa, and Plains Apache gathered to seek revenge on the Pawnee, a tribe the Cheyenne called the Wolf People. The Cheyennes had lost several important men when the Pawnees had surprised them

party in 1852. Now, scouts had dis-

covered a large hunting camp of about four hundred Pawnee warriors and their families. The Cheyennes and allied tribes skillfully moved close to the Pawnee camp with one thousand warriors and

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lance. While everyone was intent on the ceremonies

their women and children.

The attack was planned

in the camp moved to the

base of a big hill within

five miles of the Pawnee

camp. Before they could

attack sacred ceremo-

nies had to be performed.

George Bird Grinnell re-

lates the proceedings in

The Fighting Chevennes.

The men began to unwrap

their medicines. The sa-

cred hat, made from the

skin of a buffalo cow with

two carved and painted

buffalo horns, was placed

on a bed of sage stems.

From the Medicine Arrow

Bundle one arrow was

withdrawn and given to

Wooden Leg. Standing in

front of the line of war-

riors Wooden Leg began

the arrow song while

dancing in time with the

music and pointing the

arrow in the direction of

the enemy. "As he sang

and danced, all the men

in the lines stamped their

feet in time to the song

and made motions with

their weapons or shields

quested permission to

wear the sacred hat into

battle, but as he tied it

the string broke, seen as

a harmful omen. The sa-

cred arrow bundle was

attached to Black Kettle's

Long Chin had re-

toward the enemy,"

That morning everyone

for July 24, 1853.

Big Head, slipped away, hoping to gain honors in being the first to strike the Pawnees.

The sacred hat and arrows could only be carried into battle when the whole tribe was present, including children. When the ceremonies were finished the men started toward the Pawnee camp with the women and children following. The march turned into a wild charge overlooking the Pawnee camp, but the camp had been abandoned. There was nothing on the ground except the ashes of spent campfires. Disappointment turned

allied tribes charged toward the oncoming horsemen only to discover that they were the young men who had slipped away during the battle ceremony. Big Head was waving a scalp and shouting, "The camp is right over the hill. Go slowly, for there are many of them." Big Head and his party had broken the sacred law by leaving the camp be-

to anticipation when rid-

ers were seen coming their

way. The Chevennes and

completed. In doing so the protective powers of the sacred hat and arrows was undone. The damage was done, no one thought of breaking off the attack.

fore the ceremonies were

The sun was high in

the morning sky when the warriors charged over the hill to find the Pawnees prepared for a fight. The women, children, and horses were in a stream that cut a ravine between the attacking Cheyennes and the Pawnee camp. The men were positioned along the protective banks. The defenses were as strong as any fortress. The Cheyennes swarmed down upon the waiting Pawnee but were repelled by their strong defenses. Over and over the Cheyennes and allied tribes reorganized and charged. but could not dislodge the Pawnees who refused to fight in the open. At the beginning of the

fight Sky Chief had just left the Pawnee camp and witnessed the attack on his people. He immediately rode for help from the Pottawatomies who dressed like buckskinned frontiersmen. Like their Anglo counterparts the Pottawatomies were accomplished riflemen. At the time, most of the wild tribes only used the knife, arrow, and lance.

At about 4 o'clock in the afternoon Sky Chief arrived with twenty riflemen. They immediately took charge. Half of them fired and fell back to reload while the remainder stepped forward and fired. The constant volley startled the Cheyennes, who along with their allies ran for their lives.

The Pottawatomie riflemen pursued them until the Cheyennes turned and charged them, forcing them back. Again, superior firepower shattered the Cheyenne attack, forcing them to retreat with the Pottawatomies hot on their heals. Tiring of the chase, both sides stopped, and two Pottawatomies rode to the front and dismounted as a sign of disrespect. Kiowa warrior, Satanta, answered the challenge and killed one of them with a lance. Cheyenne Good Bear shot the other, while his warrior companions charged once again. By then the riflemen had reloaded and seventeen Cheyennes and others of the allied tribes fell before a barrage of hot lead.

Both sides withdrew, with the bold Cheyennes and their allies licking their wounds. The Pottawatomie riflemen had turned the tide of battle and won the day on The Way West.

"The Cowboy," Jim Gray is author of the book Desperate Seed: Ellsworth Kansas on the Violent Frontier, Ellsworth, KS Contact Kansas Cowboy, 220 21st RD. Geneseo, KS Phone 785-531-2058 or kansascowboy@ kans.com.

eight young men, led by NACD awards \$6.5 million to conservation districts to boost capacity GIVENS er to increase staffing at The National Assopact of these grants. ciation of Conservation the field level for conser-



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Districts (NACD) has announced the award of \$6.5 million in new technical assistance grants to nearly 400 conservation districts in 36 states and territories. These grants, made possible through an agree-

ment with the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), complement the \$8.5 million in technical assistance grants awarded to previous grantees in March of this year. "Since 2018, NACD and

NRCS have worked togeth-

vation districts," NACD president Tim Palmer said. "This increased technical capacity helps to improve conservation services to farmers, ranchers and local communities across the nation." State conservation part-

nership leaders helped identify high priority locations and workloads to guide where the awards would best be placed. The funds announced today will support approximately 185 full- and part-time individuals, including over 12 full-time equivalent staff in tribe-related positions. More than \$1.6 million of matching funds "The funds announced

today will support resource technicians, conservation planners, program support specialists, foresters, cultural resource specialists, agronomists and other specialists, who will work with thousands of clients to increase their conservation practices and their access to contracts and conservation plans," Palmer said.

To date in 2020, NACD and NRCS have awarded \$15 million in technical assistance grants. Since the program's inception, NACD has funded technical assistance in all 50 states and three U.S. territories.

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Around Kansas has a very active and popular Facebook page and our shows are shared there and on YouTube after they air on "terrestrial" TV each Wednesday morning. We also use the Facebook page and other social media to share photos, news, and events around Kansas. I am constantly amazed by the talent of the photographers and the variety of images captured throughout the state. It reminds me of a saying my Granny had, "If you're bored, you are a boring person." So, if you find Kansas flat and boring it is more a commentary on you than on our fair state.

I also encourage you to share your photos and stories with us. Help us stav informed and share your pictures and events with

As of now, we are still planning events in western Kansas in September. The Fort Wallace Rodeo has been rescheduled for Labor Day weekend and the Butterfield Trail Museum in Russell Springs will hold a draft horse pull as part of their annual Old Settlers Day activities. We'll keep you posted on schedules. To participate in the draft horse pull or for more information, contact Sharon Henry at 620-

The following weekend. Friday and Saturday September 11 and 12, the Fort Wallace Museum will hold its Harvesting the Plains Encampment with buffalo hunting camps and other demonstrations on native plants. We will also draw the winning raffle ticket for the buffalo hunt on the evening of September 12. Call the museum for more information at 785-891-3564. While I have been bless-

ed to be busier than many folks, I have still made time to watch Hallmark's Christmas in July movies. It is wonderful escapism and I have been watching some of my favorite actors making cameo appearances - Bruce Boxleitner, Lindsay Wagner, and Patrick Duffy among them. Yes, it's "chick flicks" and quite unlike the rock 'em, sock 'em, knock 'em out dramas I normally prefer. But in these times, the formulaic, happy-ever-after stories are very appealing. That's why I try to keep the Around Kansas Facebook page and the show positive and uplifting. We need a counter to all the negative energy out there and I appreciate your help.

Until next week, Dear Reader. I have some Christmas decorating to do.

Deb Goodrich is the host of the Around Kansas TV Show and the Garvey Texas Foundation Historian in Residence at the Fort Wallace Museum. She chairs the Santa Fe Trail 200, the bicentennial of the trail in $2021.\ Contact\ her\ at\ author.$ debgoodrich@gmail.com.

and as the cyanobacteria decompose the toxins are released into the water. When blue-green algae rapidly reproduce they form blooms that appear as a scum on the surface of a pond and may change the color of the water. These blooms are cyanobacteria, also referred to as harmful algal blooms. Blue-green algae blooms are typically the worst in areas of the pond where water is stagnant due to minimal disturbance of surface water from wind and higher water temperature, such as a cove or inlet. Floating algal scum may also accumulate in downwind shores of lakes and ponds. Ponds that have little movement of surface water and are relatively clear are more likely to

diversified agriculture and

natural resource agent,

Wildcat Extension District

temperatures, now is the

time to be on the lookout

for blue-green algae in

ponds. Blue-green algae

can occur in a pond as a

result of runoff that car-

ries nitrogen or phospho-

rus into the pond. When

the temperature reaches

75 degrees or higher the

algae will grow and bloom.

A period of hot, sunny days

with little wind following

an increase in runoff from

rain will also increase the

likelihood of blue-green

algae blooms. Blue - green

algae includes many spe-

cies of photosynthetic

cyanobacteria (bacteria

capable of photosynthe-

sis) that live in the water.

Cyanobacteria are a spe-

cies of blue-green algae

that produce toxins that

are poisonous to animals.

The toxins that result from

harmful blooms of the

algae are stored in the cy-

anobacteria until they die,

With the high summer

surface water of the pond. Toxins from blue-green algae can affect the liver or the nervous system of animals that drink affected water. Animals that consumed water from affected ponds may recover from toxins that affect the liver. However, if the toxins affect the ner-

produce harmful blooms

of the algae due to the high

amount of sunlight that is

able to pass through the

While there is currently no antidote or treatment for the toxin, supportive care can be given to animals that show signs of being sick and animals that have consumed toxins that have affected the liver can be treated to help them recover from the initial damage to the liver resulting from the toxins.

When a pond has a harmful bloom of bluegreen algae the water will have a scum that can vary in color from blue-green to gray and even red, orange, or brown. The scum will often resemble paint or a growth mat in appearance, and the water of an affected pond will often smell bad. If signs of a harmful bloom of algae are noticed in a pond, water samples should be taken and sent to the Kansas State Veterinary Diagnostic Laboratory to be tested. Until the water has been tested and is confirmed safe, animals should be kept away from the pond. Two weeks from when the algae bloom starts is the average length of time it takes to get rid of the toxin. However, if the pond has a bluegreen algae bloom, it can last from days to months depending on the weather conditions. During this time animals should be kept away from the pond and the water should be retested before allowing animals to access the pond again to ensure that there are no longer toxins in the

There are different options when it comes to treating a pond that has a blue-green algae bloom; one option is to use copper sulfate to kill the algae. However, this chemical will also kill green algae that helps keep blue-green algae in check and copper sulfate does not breakdown. Remaining in pond sediment where it can affect the ecology of the pond for many years. If sheep have access to the pond copper sulfate should not be used, because sheep are sensitive to copper. It is also important to note, that when blue-green algae die after treating a pond with copper sulfate, toxins will be released and dispersed throughout the pond. Another option is to decrease the amount of sunlight available to bluegreen algae, this can be done by spreading wheat straw in a thin layer across the surface of the pond to shade the algae and decrease the size of the algae

solutions to prevent bluegreen algae include adding water soluble dyes to the water to reduce the amount of sunlight that can get to the pond or keeping the water in the pond moving by installing solar-powered aerators. To reduce the future risk of toxins forming in ponds, grass and buffer strips between fields and surface water can be maintained so that the movement of nitrogen and phosphorus into the

pond will be slowed down. Blue-green algae blooms are serious threats to the health of animals and may be fatal if the toxins affect the nervous system of the animal. Ponds that are suspected to have blue-green algae should be tested and animals should not be allowed access to the pond while waiting for the test results. If toxins are confirmed to be in a pond, animals should be provided water from a different source and should not be allowed access to the pond until there are no

longer toxins in the water. For more information, please contact Adaven Scronce, Diversified Agriculture and Natural Resource Agent, adaven@ksu. edu or (620)331-2690









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Grass & Grain, July 28, 2020 Soybean research and information network makes research accessible

est collaboration brought Qualified State Soybean Boards (QSSBs) together to maximize the results of checkoff-funded research projects in the most effective way possible: bringing the findings to farmers. The redesigned Soybean Research & Information Network (SRIN) website soybeanresearchinfo.com – was launched through a joint effort by the North Central Soybean Research Program (NCSRP) and the United Sovbean Board (USB) to give farmers a virtual resource full of information and toolkits for more efficient soybean

This is a one-stop shop

for all the information the checkoff has discovered through farmer investments regarding key problem areas in production, such as tolerance and resilience. Each article on the SRIN website provides insight and explanation on the research findings and links directly to the study in the overall database for further exploration.

"The soy checkoff and OSSBs have worked together to find solutions, best practices and data on kev issues and have made that available for all farmers to use," said Tim Venverloh, USB vice president of sustainability strategy. The farmer-leaders of

USB and QSSBs determine

 geared toward addressing farmers' specific and most pressing needs and uncovering opportunities to build profits for soybean "I had no idea how

much valuable research the checkoff has made possible," said Lindsay Greiner, USB farmer-leader from Keota, Iowa. "Some of these projects are clear and actionable. such as providing data on what fungicides will provide good disease control based on the most prevalent diseases that can really threaten yield. There doesn't seem to be a limit for how far it can go to help our industry.'

silience are two issues farmers know too well. and they have been the focal points for the latest research. Additional projects have sought to combat all sorts of challenges, from obstacles associated with unpredictable weather patterns to insect management and variety performance. Some of these research projects include: Battling billion-dollar

yield robbers such as stink bugs or sudden death syndrome (NCSRP). Navigating herbi-

cide-resistant weeds and helping farmers adopt the practices best suited to their crop and weed populations (Missouri Soybean Merchandising Council). Enhancing seed quali-

ty by improving its genetics and traits based on a farm's external factors (Southern Sovbean Research Program).

Controlling soybean seed and seedling rots worsened by diseases made more prevalent by wet planting seasons (USB, NCSRP). "There's always things

that come up that we'll have questions about, and it's good to know right away what resources we have available," said David Nichols, a USB farmer-leader from Ridgely, Tennessee. "It's even better to have it in what I call 'turn row terminology

can understand and put to use."

And the work doesn't stop at the creation of the website. The sov checkoff continues its investments in new research toward new best practices, solutions to problems and innovations to help farmers contend with rising chal-

"The state and national checkoff programs working together helps take every investment further and, overall, get more done," said Greiner.

To learn more about the latest research and the soybean industry, visit soy-

beanresearchinfo.com or unitedsovbean.org.

Even during pandemic, Kansas 4-H members charge ahead with projects them forward and chal-

In an odd year for just about everything, Kansas 4-H members are tweaking their projects with an eye toward showing their peers and community members what they've been learning.

The county fair will go on... in one way or an-

"The county fair is an opportunity for youth to showcase what they have

learned throughout the 4-H year," said Beth Hinshaw, a 4-H youth development specialist in the southeast region. She notes that Kansas

4-H members participate in more than 30 project areas each year, all providing an opportunity to explore an area of interest. Despite the COVID-19 pandemic, those projects have not stopped; youth

continue to feed and care for livestock, as well as pursue their interest in such areas as photography, foods and nutrition, clothing, fiber arts, rocketry and more. "In some cases, young

people had more time to work on their projects this year," Hinshaw said. "And they've still had caring mentors, project and club leaders who are urging

lenging them to learn new things.'

But the method by which they'll be able to show the fruits of their labor is mixed across Kansas. With county fair season underway, local boards have opted for varying degrees of in-person and online fairs.

"This year is different," Hinshaw said. "I think it's really important that if you are typically a fair-goer that you check in about your county fair: Are they having the same hours this year? Are they having the same exhibits this year? Are they open to the public and when are they open? Or can you catch a show or a recap online?"

Hinshaw notes that most Kansas counties are posting about their local fairs on Facebook, Twitter or other social media. She encourages residents to follow social media accounts from their local office to stay updated on the county fair.

"One other thing I would suggest is to follow up with the 4-H'ers you know," she said. "If you have grandchildren or you have neighbors who are in the 4-H program, follow up with them: How is their project work going,

or what have they learned

"We may not be able to see those exhibits or those kiddos performing in person this year, but go ahead and follow up with them with your interest in their exhibit and in their

growth and development." As they grow in 4-H, members often start with projects at a "beginning level," Hinshaw said. and gradually build their knowledge base over years. Each year's fair is an opportunity to showcase how they've grown. "What we know is that while that is happening, young people also are building their abilities as learners, communicators, collaborators and contributors," she said.

Updates on 4-H activities are available on the Kansas 4-H Youth Development web page, as well as on Facebook and Twit-

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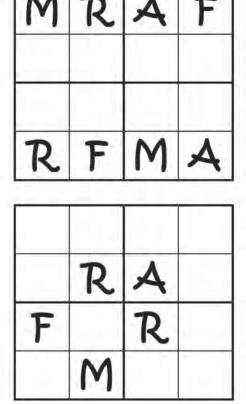
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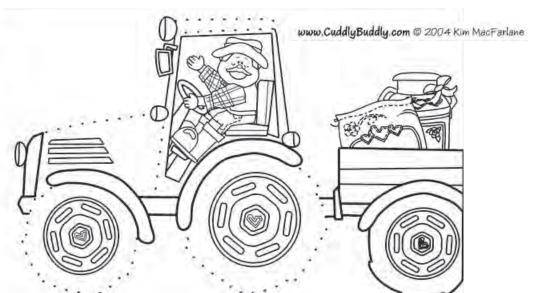
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Thompson-Weeman Usually this time of vear the Animal Agriculture Alliance is providing resources to county and state fairs on preparing for animal rights activism. Activist groups see any large gathering as an opportunity to get attention for their messages against animal agriculture, and they see fairs and expos as the perfect place with livestock and poultry on site. We advise any event to have a plan in place and be prepared for protests or disruptions from groups like Direct Action

Fairs are looking quite a bit different this year

Everywhere, The Save

Movement or PETA.

with many going virtual or being held with very few spectators. Unfortunatelv. that doesn't mean we can take a break from the threat of activism. Many activists have taken the current circumstances and lack of public events as an opportunity to ramp up their online efforts, including ones targeting 4-H and FFA. While it seems counter-intuitive for anyone who claims to care about animal welfare to be opposed to groups who help teach kids responsibility and how to care for livestock and poultry, it's important to realize that animal welfare really is not the goal for animal rights activists. If we're using animals for any purpose - whether for entertainment, food or anything else - they do not believe it's possible to be done humanely and responsibly. Activists believe that 4-H and FFA along with fairs and livestock auctions "are teaching young people to exchange their compassion for money." If you are involved with

a livestock project, either as an exhibitor, parent or event organizer, here are some steps to take to help mitigate the influence of activist groups.

 Avoid the urge to engage. As a 4-H and FFA alum myself, I know how passionate we are about these programs and how strongly we want to defend them when we see them being attacked. However, every time we engage with activist content online - even if we are expressing our disagreement - we are helping it get more attention. Let the activists remain in their echo chamber and resist the impulse to comment or share. You will not change their minds and your energy is much more wisely invested in sharing positive stories about your experiences and what you've learned from showing livestock.

 Understand their real intentions. Some activist groups are trying to encourage youth to give them their project animals in order to spare them from being sold in auctions. It's important to understand (and especially help vounger members understand) that considering doing this will give them credibility and more content they can try to use against 4-H, FFA and fairs. Make sure you are having conversations with kids throughout the process of raising project animals about their important role in providing food for a hungry world and our important responsibility in raising them ethically.

• Be prepared for online attacks. Posting anything on social about showing livestock or animals being used for food either on your personal page, your club/chapter's page or your fair's page. Have a comment policy already in place and be empowered to delete inappropriate comments and ban harassers.

The Alliance has many additional resources on understanding and preparing for activism on our website: www.animalagalliance.org. If you are dealing with a situation involving activists and could use our assistance, don't hesitate to reach out to us at info@animalagalliance.org. We're wishing you a safe, educational and fun summer fair season, regardless of how it ends up looking!

might bring out the trolls. USDA funds technology research for optimum production from better, smarter planting

In a collaborative effort with crop producers, researchers at Kansas State University will introduce the latest technologies for precision planters to help enhance productivity and maximize yield.

With nearly \$300,000 in funding from the U.S. Department of Agriculture's Research Education and Economics-National Institute of Food and Agriculture program, a team led by Ajay Sharda, associate professor in the Carl and Melinda Helwig Department of Biological and Agricultural Engineering, will pursue "Enhancing Crop Productivity by Developing Operational Strategies for High-Speed Precision Seeding Technologies."

The three-year project involves conducting on-farm studies in collaboration with producers to better understand planter control system dynamics during highspeed planting. This will be observed under varying seeding rates, row spacing, planting depths, tillage systems, and weather and soil types.

"We will establish recommendations for producers to smartly implement machine operating parameters to achieve uniform emergence. This in turn will improve stand establishment, early-season growth and yield optimization on a row-by-row basis," said Sharda, a Carl and Mary Ice Keystone research scholar in the Carl R. Ice College of Engineering at K-State.

On-farm research with producers as partners will provide a metric to assess the advantages of adopting precision planter technologies - not only from the machinery but also from the agronomic perspective with the ultimate goal of improving overall productivity and profitability.

"This will develop strong Extension and applied research programs for disseminating this material," Sharda said. "It will showcase best management practices for optimizing current precision planter technologies to achieve uniform seed placement and gain yield advan-

The project will require Sharda and K-State co-collaborators Ignacio Ciampitti, agronomy, and Edwin Brokesh, biological and agricultural engineering, to adopt novel methodologies and robust high-frequency data acquisition systems for gathering detailed machinery and agronomic data.

"Collecting this multiyear, large scale on-farm research data," Sharda said, "will not only allow our students to work with state-of-the-art technologies for their professional development, but will also enhance K-State's research capacity to engage with numerous research partners to conduct collaborative large-scale on-farm research.

Engagement and support will also be provided by Kansas Extension agents Tony Whitehair, Dickinson County, and David Hallauer, Meadowlark Extension District.

Fall crops making strong progress, maintain good quality

For the week ending July 19, 2020, there were 4.8 days suitable for fieldwork, according to the USDA's National Agricultural Statistics Service. Topsoil moisture supplies rated 14% very short, 25% short, 57% adequate, and 4% surplus. Subsoil moisture supplies rated 15% very short, 25% short, 58% adequate, and 2% surplus.

Field Crops Report: Corn condition rated 4%

very poor, 10% poor, 32% fair, 43% good, and 11% excellent. Corn silking was 66%, ahead of 49% last year, and near 64% for the five-year average. Dough was 25%, ahead of 11% last year and 12% average. Dented was 1%.

Soybean condition rated 2% very poor, 7% poor, 34% fair, 47% good, and 10% excellent. Soybeans blooming was 55%, well ahead of 24% last

vear, and ahead of 44% average. Setting pods was 15%, ahead of 5% last year. and near 11% average.

Sorghum condition rated 3% very poor, 6% poor, 36% fair, 48% good, and 7% excellent. Sorghum headed was 15%, ahead of 7% last year and 10% average. Coloring was 1%, equal to last year.

Cotton condition rated 1% very poor, 10% poor, 46% fair, 39% good, and 4% excellent. Cotton squaring was 76%, well ahead of 54% last year and 49% average. Setting bolls was 17%, ahead of 8% last year and 5% average.

Pasture and range report: Pasture and range conditions rated 6% very poor, 18% poor, 38% fair, 34% good, and 4% excel-



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Grass & Grain, July 28, 2020

Kansas heat may Kansas gardeners may need just a little more patience and ingenuity if they're finding that their tomatoes are slow to ripen

this summer. Kansas State University horticulture expert Ward Upham said recent heat may have caused the plants to go into "survival mode," a time when it instead concentrates on moving water.

"The hot weather we have had recently not only interferes with the pollination of flowers, but it also affects how quickly fruit matures," Upham ture range for tomato's growth and development is 85 to 90 degrees Fahrenheit." Recently throughout

the Midwest, temperatures topped 100 degrees, which causes fruit development to "slow to a crawl," according to Upham.

"Tomato color can also be affected by heat," he said. "When temperatures rise above 95 degrees, red pigments don't form properly, though the orange and yellow pigments do. This results in orange fruit. It doesn't affect the

but often gardeners want that deep red color back."

To help tomatoes ripen to a bright red color, Upham said gardeners should pick them during the 'breaker' stage, or at that point when they are just starting to turn color. "At this point," he said,

"the tomato has cut itself off from the vine and nothing will be gained by keeping it on the plant. If tomatoes are picked at this stage and brought into an air-conditioned house, they will ripen more quickly and develtemperature of 75 to 85 degrees will work well."

be slowing tomatoes from ripening

High heat also will cause poor fruit to set, especially on slicer toma-

"Cherry tomatoes seem to be more heat-tolerant," Upham said. "But for slicers, high temperatures seem to interfere with pollen viability or can cause excessive style growth, leading to a lack of pollination. Tomatoes that have already formed (before excessive heat) are not affected."

about three weeks for tomato flowers to develop into fruit that is about the size of a golf ball. After that, growth is usually more rapid over the following three to six weeks,

"Though there are 'heat-set' slicing tomato varieties that will set fruit at higher temperatures, that difference is normally only two to three degrees," Upham said. "Once cooler temperatures arrive, tomato flowers will resume setting leagues in K-State's Department of Horticulture and Natural Resources produce a weekly Horticulture Newsletter with tips for maintaining gardens and home landscapes. The newsletter is available to view online or can be delivered by email each week.

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

Upham said it takes Fields Forward campaign surpasses \$2 million mark VCRF's ed in the future of wheat the campaign will be used supporting students and was launched in January

Commission Research Foundation announced July 17 that its Fields Forward research fundraising campaign has surpassed the \$2 million mark in July toward its goal of \$4 million by the end of 2021.

Led by the KWC Research Foundation, the Fields Forward campaign

"The continued success of the Fields Forward campaign is a credit to the generosity and commitment to wheat research by all segments of the wheat industry," Ron Suppes, KWCRF Chair, said. "We sincerely thank our donors who have invest-

Yamaha Moto ATV; fuel barrel w

stand, new: 25 Angle Iron, 20' >

1 1/2"; Snap-on & Craftsman

tool chests; 3 floor jacks; 2 gen

erators: la. selection of sockets wrenches, screw drivers, jacks,

chains, binders, jack stands, air tools, grinders, **MUCH MORE!**

LIVESTOCK FEEDING & HANDLING EQUIPMENT AUCTION

SATURDAY, AUGUST 15, 2020 - 10:00 AM

Held at: Washington Sales Pavilion, 711 D. Street - WASHINGTON, KS 66968

269 Small Square Baler Wire/

Tie: 1997 Titan 7'x20' Goose-

neck Stock Trailer; 1997 Titan

7'x24' Gooseneck Stock Trailer;

(14) Bextra Hay Saver Round

Bale Feeders: (20) Go Bob 20

Heavy Metal Feed Bunks; (230)

New Go Bob Pipe 9' Post, 2.375'

& 2.875" OD Heavywall; (40)

New Go Bob Monster Fence 20'

5 Bar Panel, 2" OD Heavywall;

(9) New Go Bob 6 Bar Contin-

uous Fence 20' Panel, 1.25" OD;

(43) New Go Bob 7 Bar Contin-

uous Fence 20' Panel, 1.25" OD;

Used 6 Bar Continuous Fence

20' Panels: (32) 12' Portable

Panels w/ Trailer; LH Portable

Bulk Bin 6,500 lbs w/Wheels; (2)

LH Metal Feed Bunk 16'; (2) 10'

Poly Feed Bunks; (14) Behlen

Country Mineral Feeders; Cake

Feeder 1400 lbs 12V Drive;

(2) 150 Bushel Creep Feeder

w/Wheels; 50 Bushel Creep

Terms of Sale: Cash or Valid Check Accepted. Settlement must be made day of sale. All property bid in

at bidder's risk and cannot be removed until settled for. Must have proper ID for Bidder's Number. Not responsible for accidents or loss. Due to the possibility of incorrect information and typographical errors, the auctioneer, owner, and printer will not be responsible for any errors that might appear in this advertisement.

However, every effort has been made to describe the sale items accurately. The auctioneer's announcements

Joel Marreel

402-936-3016

Go to Washington Sales Pavilion FACEBOOK Page for MORE!!

research through the next several decades." The lead donors who

got the campaign to the halfway mark were recognized during an online campaign kickoff event. The major contribution to the campaign so far was a \$1 million dollar gift from the Vanier Family.

Funds raised through

for three different purpos-Fields of Research

Funding ongoing wheat research programs that improve the profitability of farmers while improving the quality of wheat for end use.

ing a full pipeline of future research talent by technicians in research fields essential to wheat. Fields of the Future

Building funds for the long-term support of wheat research, while maintaining the level of technology and facilities necessary to sustain that

The campaign accepts many types of gifts to supcluding cash, stock transfers, donations of grain and deferred gifts such as will bequests.

Watch the online campaign kickoff event at https://youtu.be/7nklnIVK-

Complete campaign details can be found at www. fieldsfoward.org.

SATURDAY, AUGUST 8, 2020 — 10:00 AM As we have sold the farm, following sells located at 7932 E. 181st — OVERBROOK, KANSAS

(2 mi. East of Overbrook on Hwy. 56, 3 m. South on Stubbs Rd., 1/2 mi. East on 181st) pull type sprayer w/B&S engine;

Case 480B backhoe, gas tractor w/2 buckets & front loader; Ford 4000 gas tractor w/Allied loader: VA1 w/Case frt. loader; Case 64 Chevy 60 dump truck; utility trailer, 16'x76", good cond.; Hay-Budden 28" anvil stamped Chicago 90 amp Flux welder; Miller Thunderbolt 225v welder: PowerMate earth auger; Clark NOTE: Large auction with lots of tools, farm & miscellaneous

2012 Case IH Puma 130 CVT

MFWD 2520 Hrs w/CIH L765

Loader and 8' Grapple Buck-

et-Nice Unit; Bale Spear For

Front End Loader; 1999 Case

IH 8870 Self-Propelled Swather

w/18' Deluxe Header 1.750 Hrs

Dual Sickle Drive; 2007 Hon-

da Foreman 500 ES/PS 4x4

- New Tires; 1969 IH 656 5695

Hrs Rebuilt Gas Engine, Wide

Front, 3 pt.; Kelly Ryan Feed

Wagon 5x14 w/Scales-Only fed

dry grain; HayBuster 2650 Bale

Processor w/Scales; 2009 Bob-

cat S185 2487 Hrs w/68" LoPro

Bucket: Bobcat 68" LoPro Buck-

et w/Bolt-on Teeth; Haugen Hy-

draulic 68" Grapple/Rock Buck-

et; Bobcat 74" Snow Bucket;

Double D Tree Klipper for Skid

Loader: 2015 Rawhide Super

Large Portable Corral w/Hydrau-

lic Alleyway and Walkthrough

Headgate; New Holland Hayliner

Rod Stewart

785-747-8216

on sale day will take precedence over printed material.

items. VERY PARTIAL listing. Possibly 2 Rings. Please be mindful of social distancing. VIRGIL & SANDY DECK, SELLERS

ALTIC AUCTION SERVICE, Brady Altic * 785-893-4315

Pics & Info: www.wischroppauctions.com

By Derrell Peel, Oklahoma State University

per cwt. on July 17; the lowest Choice boxed beef price since December 2017. Both supply and demand factors are at work pushing wholesale beef prices lower. Estimated beef produc-

tion last week was 538.4 million pounds, 2.1% higher than the same week last year. Estimated cattle slaughter last week was 650,000 head, down slightly from 655,400 last year.

Fields of Study - Keep-

prices sag The latest carcass weights

up in feedlots prevented the normal seasonal decline in carcass weights in April, May and June. In 2019, steer carcass weights declined from 896 pounds at the beginning of the year to a seasonal low of 842 pounds by the first carcass weights were 896 pounds in June, down 16 pounds from 912 pounds at the beginning of the year. The lowest weekly steer carcass weight this year was 886 pounds in April before weights moved counter-seasonally higher

Though summer is grill ing season, the period between July 4 and Labor Day is a relatively weak beef demand period... the dog days of summer. This period is normally a slow beef demand period for

under growing supply this year by a still-recovering food service sector. For example, wholesale beef tenderloin (189A) price is currently nearly 17% lower year-over-year. Wholesale ribeye (112A) is down nearly 3% from last year. These items are more popular on restau-

> rant menus. The wholesale beef strip loin (180), perhaps the most popular grilling steak, was priced nearly 11% higher compared to last year. Beef buying should pick up in August in preparation for Labor Day. After all the disruption in food markets in the first half of the year it is difficult to know if markets are following normal seasonal patterns all this summer.

Longer term, beef demand may be affected by the economic recession. Impacts have not been obvious thus far but unemployment is still high and some unemployment benefits will end this month. With COVID-19 far from controlled, considerable uncertainty remains regarding how school schedules, sporting activities and business travel could

Beef production will be higher vear-over-vear for the remainder of the year. This may combine with limited demand to keep wholesale beef prices under pressure going forward.

affect beef demand this



Subscribe to Grass & Grain

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in store display camera: ad-

vertising pieces; fishing lures;

Boxed beet

Choice boxed beef

prices dropped to \$200.47

STEWART FAMILY FARMS, LLC

Feeder w/Wheels; 750 lbs Poly

Creep Feeder –New; (3) Stain-

less Steel Pig Creep Feeders;

4500 IH Vibra Shank 18.5' w/

Levelers; KatoLight 25,000kw

PTO Alternator w/Trailer: KatoLi-

ght 12.500kw PTO Alternator

w/Trailer; (4) Flat Bed 4-wheel

Trailers; (5) 4-wheeled Running Gears; (4) Viking Galvanized Grain Elevators 40'; (3) Elevator Feed Bunks; (10) 10' Concrete

'J" Fence Line Bunks; (11) Rub-

bermaid Tanks 300, 100, 50 gal.:

Cattle Head Gate w/2 Part Pan-

els: (18) 16' Wire Cattle Panels:

Assorted Metal Swinging Gates

4' - 16'; Approx. 400 Electric

Rolls of Electric Fence Wire 1/2

mile each; (2) Gallagher 12V Fencers; 110V Squirrel Cage

Fan; Used Tin-Galvanized 10'-

12'-20'.

Ryan Stewart

785-406-0359

Bundle of 2"x4" Lumber

Online bidding available

with Equipmentfacts!

Equipmentacts

Fence Posts w/Insulators; 13

have steer carcasses averaging 896 pounds, up 35 pounds year-over-year and heifer carcasses at 826 pounds, 34 pounds above the same time last year. Heavy fed cattle backed

week of June; a drop of 50 pounds. This year steer

restaurants, aggravated

in May and June.

UPCOMING AUCTIONS

HOFFMAN ESTATE AUCTION: SATURDAY, AUGUST 8 - 8 AM 1103 Sioux Road — LINDSBORG, KANSAS

Contents & Bean house (to be taken down & removed from property)

GUN AUCTION: SUNDAY, AUGUST 30 - 1 PM 601 S. Broadway, SALINA, KANSAS • APPROX. 100 GUNS!

REAL ESTATE & PERSONAL PROPERTY AUCTION: SATURDAY, SEPTEMBER 12 - 10 AM 329 N. PENN, SALINA, KANSAS

> **GUNS & RELOADING AUCTION:** SUNDAY, SEPTEMBER 20 - 10 AM 601 S. Broadway, SALINA, KANSAS

CONSIGNMENT AUCTION: TO BE DETERMINED 601 S. Broadway, SALINA, KANSAS

CALL TO BOOK YOUR FARM, HOUSEHOLD, OR MACHINERY AUCTION! **LOCATED AT 601 S BROADWAY, SALINA, KS** Warehouse space available in secured fenced lot -1500 sqft ground level, large overhead door, \$400/month

electric & snow removal provided Plastic rain barrels - \$15 each VOTED SALINA JOURNAL READERS' CHOICE AWARDS BEST OF THE BEST WINNER AUCTIONEER FIVE YEARS IN A ROW!

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www.soldbywilson.com

Wilson Realty & Auction Service

DAVE HUNT - SALES MANAGER • (785) 201-5257 CAROLYN HUTCHINS - OFFICE MANAGER • (785) 823-1177

Shawnee: Long-

McCov:

Drvden:

Frankoma; Coors; Redwing;

spongeware; Van Briggle;

Roseville; Denver Co. pot-

tery; crocks; Western 5 gal;

Sleepy Eye; RS Prussia; car-

nival glass; Flow Blue (serv-

ing pcs, bone dishes. other):

kitchen type glassware; salt &

peppers; Kitty Cat castor set;

Fire King set; Fiesta inc: 6

3/8" cobalt bud vase & large

platter; Jewelry (gold; sterling;

SUNDAY, AUGUST 9, 2020 -

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

Anderson Hall K State paint-

ing A Johnson; Indian blan-

kets; 1971 Phillip Kreezkews-

ANTIQUE AUCTION **SATURDAY, AUGUST 8, 2020 — 9:30 AM** Auction will be held in Kenwood Hall at the Saline Co. Expo, 900 Greeley in SALINA, KS JEWELRY, LAMPS, INDIAN, front showcase; 19"x43" slant dish cupboard, doll dresser & TOYS, COLLECTIBLES,

50 Lamps: (large assortment of hanging lamps electric & kerosene inc: 1880 cranberry hall hanging; 1890 cast iron large store lamp; Aladdin; Greek Key; Riverside; Wildrose; Dew Drop; cast iron base; pink opalescent base lamp; Peanut; finger; Queen Heart: many early lamps; owl & star lamp chimney; floor lamp w/jadite & beaded shade;

SHOWCASES

bridge lamps; assortment of lamp parts); INDIAN: (Indian sterling necklaces signed; bear claws; rings; many pieces turquoise jewelry; Navajo rugs; Chimyo wall hanging; Scookum dolls; 40" Tepee); Sauteo Mexican throw; Jewelry Gold & Sterling: sterling flatware; mesh purses; watch fobs inc: 1915 Jewell Co. Festival 1st prize; hat stand; 1971 Rusty Phelps bronze "Howdy" 2 of 12; G E Radio 1930's band figure very unusual; Oak 6'x8' tall step back store cabinet; oak 4'x7' back store cabinet; 8' marble base showcase from Sietz Shoe store Salina; curved glass table top house showcase 2'x26"x30"; 5' floor show-

case folding; 37"x44" slant

front showcase; 15"x12" table showcase; 27"x45"x27" oak table top showcase; rare double sided music stand; 20's Hoosier cabinet; early 2 door 36"x6' cabinet w/cubby holes at top; 7' oak drop front secretary; unusual area advertising card table; 6 drawer oak glasses case; smoke stand; barley twist book shelf; 1 door display; revolving bookcase; library table; wicker parlor table; 4 ice cream chairs; brass rotary candle stick telephone; Art Deco lady & dog statue; marble soldier statue; weather vane from Waconda Springs cabin; Deco mirror; 1917 organ tuner; 1877 cigar lighter; Zenith wind generator radio shortwave w/box & papers; oak & glass ballot box; Signed stain dlass window; unusual bell tree; unusual ice cream scoop; Clocks inc (German; New Haven; Deco; other);

chest; airplane motor; handmade covered wagons; beanie w/Cracker Jack pieces; POT-TERY & GLASS: Fulper decanter; VanBriggle; Roseville; Broadmore candle holders: Denver White piece; Weller Utopia vase; Weller umbrella holder; Brentley vase; cut glass; caster set; table sets; 1934 Colo State Fair Coors mug; carnival pieces; Vase-line Lazriod Bucuresti seltzer bottle; Hummel lamps; green depression; bisque Disney figures; marbles; Hires mug; 50's pieces glass; large assortment glass; Morning Glory phonograph horn, viewer & cards; Holliway Bros Lumber & Coal match holder; Heart shape commercial foot scraper; cast iron street sign hanger;

street signs; pedestal sink vard bench; iron wheels; cast iron horse windmill weight; local car tags; 78 records many cowboy; 50's record player recorder; cast iron boiler; tins; transit; assortment granite: churns: large assortment of primitives: assortment kitchen pieces; lighters; razors; books; Very large amount of other items not listed, this is a very large quality auction.

This an individual collection. He has collected since the 70's and ran a shop for a time. He is retiring and moving. This is a very large auction. There are many very quality and unusual pieces. Check our website for a more complete list & pictures at www.thummelauction.com. For safety if you are sick please call in your bids to 785-738-0067. Also wear your mask.

Watches some coin silver; as-

sortment of pictures inc: yard longs; TOYS: Mamod steam

engine car; Arcade truck pro-

fessional restored; many 50's

trucks & cars; many cast iron

toys & banks; The Royal Blue

electric train w/boxes; Rich

Toy rocking horse; Cass doll

INDIVIDUAL COLLECTOR

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC

785-738-0067

Squash blossom; Indian; costume); lamps; hanging Aladdin; other; Toby mugs; Belleek; Cloisonne; Staffordshire; depression green Mother Goose & Rabbits; red water set w/ flowers; glass baskets brides & other; Fenton; cup & saucer collection; Lil Red Riding Hood cup; refrigerator glass; Johnson Bros Simpson plate; ladies pink dresser set; Art glass; double pickle castor; perfume bottles; salt dips; child's Hostess tea set; beer stein; cake plates; black amethyst; shaving cup; shaving brushes; bells; light shades; doll furniture; doll dishes; airplane candy con-

tainer; Sandzen student paint-

ing 1920's; Paintings; prints;

Potterv:

aberger;

wi bronzes (Buffalo Hunt; Off Great Spirit; Holding Ground; Sergeant 7th Cavalry;) 1972 Michael Gordman cowboy "Taking The Rough Off"; Thorton Burgess books; silver plate tea set; Singer feather weight sewing machine; candle mold; cigar mold; copper pieces; Gus Benz lard tin; scale; trumpet; cast iron Christmas tree base; wooden bucket; iron wheel child's wagon; WWII items (Fort Benning map; Dec of Independence; Bill of Rights; War rations); turquoise; fishing lures; cotton scales; sugar baskets; mannequin; Dazey churn; mirror plateaus; store knife display; Wooden barrels (powder, water); Keen Kutter items; Coca Cola ice chest; other Coke collectibles; light shades; hanky box; Old Onion seed jar; Marlboro & Bowl-up playing cards; beer tree; lady beer picture; photo album; bottle openers; sad irons; Fuller brush; Beatles poster; political pins; thermometers; cast iron circus wagon w/horses; other cast iron banks; Kodak

snuff bottles; records; wagon & sleds; razors; knives inc: WWII commemorative; cigarette lighters; Remmington pocket oiler; pocket watch chain; small coin collection; strongbox: silver plate: International silver set; spice racks; portable TV in case; oak wall telephone; transistor radios; Great National parks videos; sand dollars; shells; ice shaver; Griswold tea pot: Coca Cola bottle door pull: viewer & cards: levels: Billard & Billard flour sack; quilts; blankets; hankies; red Exit globe; books; Constitutional Amendment ballot box from Galva. Furniture: cast iron bed; short pie cupboard; flour bin; walnut drop leaf table; night stand; child's bed; walnut dr3esser w/wishbone mirror; ice cream

table; rockers; Mission oak buffet; 42" round oak table; 9 captain's chairs; yarn winder; harness horse; wagon seat; wash bench: school desk: shaving mirror w/stand & bowl; oak medicine cabinet; fire place screen; large assortment of other collectibles. NOTE: This is a large auction with many collectibles and glass. Check our website for pic-

tures at www.thummelauction.com. Please bring your masks for your safety. If you are not feeling well please call in your bids to 785-738-0067. Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC

785-738-0067

and then just a few more days to change color.

Grass & Grain Area **Auctions and Sales**

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

Always great online Equipment auctions www.purplewave.com

July 27 — 110 acres m/l of Marion County farmland with easy access held at Goessel. Auctioneers: Farmers National Compa-

July 30 — Guns, jewelry, swords, knives, patio furniture, featherweight sewing machine, lawn & garden, RV items, shop items, furniture, antiques & collectibles & much more held at Emporia for Virginia "Ginny["] Ferguson. Auctioneers: Hancock Auction & Real Estate, Paul Hancock & Jase Hu-

July 30 — House, pickups, mower, tiller, household & miscellaneous at Miltonvale for Merlin Adee Estate. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

August 1 — Vehicles, furniture, guns, collectibles, household held at Manhattan for Ward & Jean Keller Estate. Auctioneers: Gannon Real Estate & Auctions.

August 1 — Real Estate consisting of 4BR ranchstyle home on 6.19 acres m/l with shop & older outbuildings. Also selling tractors, equipment, vehicles, shop equipment, power & hand tools, guns, collectibles, household & miscellaneous held at Wathena for Marvin L. Smith Estate, Bradley K. Simpson, exec. Auctioneers: Chew Auction Service, Robert Chew.

August 1 — Live & Online auction selling tractors, combines & accessories, trucks, trailers, cars, hay, feed & hay equipment, machinery, livestock equipment, shop & miscellaneous, household held Live at Netawaka & Online at Equipmentfacts. com for Delmer "Corky" & The Late Ruth Klahr. Auctioneers: Harris Auction Service (www.holtonlivestock.com).

August 1 — Tractors, farm equipment, some farm consignments from neighbors, horse drawn items, farm & livestock equipment, shop tools, construction supplies, guns & misc., household, collectibles & more held at Axtell for Nathan & Ellen Schrock/Harmony Hills Construction. Auctioneers: Morris Yoder

August 1 — Antiques & collectibles at Hanover for the Heirs of Bill & Louise Dierking. Auctioneers: Bott Realty & Auction.

August 1 — 1958 Chevy truck, car trailer, lots of plumbing & heating & air supplies held at Wamego for Butler Plumbing, Dennis & Betty Butler, owners. Auctioneers: Kretz Auction Service

August 6 — Antiques, collectibles, guns, furniture, vintage, tools & more held at Osage City for Jim & Pat Croucher (Vassar, KS). Auctioneers: Wischropp Auctions & Real

August 8 — Tractors, equipment, trucks, autos, vintage auto parts, trailers, 4x4s, scrap iron & much more at Osawatomie for Frank Austin Estate. Auctioneers: Eastern Kan-

August 8 — Antique furniture, glassware, pottery, collectibles & primitives, tools & miscellaneous held at Junction City for George & Norma Mailen Estate. Auctioneers: Brown Real Estate & Auction Service, LLC.

August 8 — Tractors, tools & more tools, dump truck, trailers, anvil held southeast of Overbrook for Virgil & Sandy Deck. Auctioneers: Altic Auction

August 8 — Jewelry, lamps, Indian items, toys, collectibles, showcases, 50 lamps, pottery & glassware & much more held at Salina for an Individual Collector. Auctioneers: Thummel Real Estate & Auction, LLC.

August 8 — Jeep, tractors, ATV, farm & shop equipment, blacksmithing tools, primitives held South of Fairbury, Nebraska for Mrs. Bruce A. Junker. Auctioneers: Bott Realty & Auction.

August 8 — Contents and beam house (to be taken down and removed from property) held SW of Lindsborg for Hoffman Estate. Auctioneers: Wilson Realty & Auction Service.

August 8 & 15 - Household, antiques and miscellaneous at Herington for Irene Finley Estate. Auctioneers: Kretz Auction

August 9 — Large auction with lots of collectibles & glassware including pottery (Shawnee, Dryden, Frankoma, Red Wing, VanBriggle, Roseville & more), Flow blue, salt & peppers, refrigerator glass, Sandzen student painting & other paintings & prints, political buttons, cast iron banks, small coin collection, furniture & much more held at Salina. Auctioneers: Thummel Real Estate & Auction,

August 12 — 5,422 acres m/l of cropland & grass land located in Trego & Graham counties offered in 21 individual tracts (no combinations of any tracts) held at WaKeeney (online bidding available) for The Bank. Auctioneers: Farm & Ranch Realty, Inc., Neal Mann, listing agent, Donald Hazlett, broker/auctioneer.

August 15 — Tractors & accessories, trucks,

ATV, trailers, hay equipment, machinery, livestock equipment, shop & miscellaneous held at Sabetha for Herman & Jean Renyer. Auctioneers: Harris Auction Service. August 15 — Live &

online auction, Livestock feeding & handling equipment including loader & grapple bucket unit, swather, Honda Foreman 500, feed wagon, bale processor, Bobcat, portable corral, baler, stock trailers, bale feeders, feed bunks, continuous fence panels, portable panels, mineral feeders & more held at Washington for Stewart Family Farms, LLC. Online at Equipmentfacts.com.

August 15 — Tractors, combine, trucks, machinery, horse machinery, motorcycles, antiques, collectibles, tools & other held near Clay Center for Clarence & Marjorie Urban Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

August 15 — Farm auction held at Baldwin City (Vinland Fairgrounds) for J.C. Brown Estate. Auctioneers: Elston Auction Company.

August 15 - New Strawn Consignment auction including tractors, trucks, vehicles, farm & ranch equipment, lawn & garden, trailers, tools, building materials, farm misc. & more held at New Strawn. Auctioneers: Darwin Kurtz, Lyle Williams, Laverne Yoder; Richard Newkirk, sales manager; Larry Hermon, asst. sales

August 22 - Real Estate consisting of 3+ BR home with Morton Building & 2-car garage on 1 1/2 acres; plus dolls, collectibles, tools, mowers, vintage, furniture held at Burlingame for Patricia M. Dennison, Cindy S. Dennison, POA. Auctioneers: Miller & Midyett Real Estate & Wischropp

August 22 — HD Lee collectibles, antique furniture, store tins & very large tin collection, advertising thermometers, glassware, art & pictures including Sandzen, Kreige, Fox & others; crocks, Singer toy sewing

area of research possible to find an effective immu-

The vaccine being developed by Tonix and K-State, uses Tonix's novel live virus vaccine vector platform and K-State's CD40-ligand to stimulate T-cell immunity, which are designed to potentially stimulate immunity against the SARS-CoV-2

machine, electric train, dolls & more collectibles held at Salina for 2 local collectors. Auctioneers: Thummel Real Estate & Auction, LLC.

August 22 — 2008 PR Cruiser, Retro lighted juke box, furniture, large floor scale, household, holiday decor, collectibles, large trampoline held just west of Junction City for Thomas & Mary Ballowe Estate. Auctioneers: Gannon Real Estate & Auctions.

August 22 (rescheduled from June 6) — Farm machinery, trailers, 1976 Lincoln, antiques, farm supplies, tools, iron & miscellaneous held at Talmage for Twila (Mrs. Rosie) Holt. Auctioneers: Kretz Auction Service.

August 28 - Farm machinery, iron, shop tools & miscellaneous held near Herington for Duane Stroda. Auctioneers: Kretz Auction Service.

August 29 — Firearms auction including 125 rifles & shotguns held at Alma for a Private Collector. Auctioneers: Cline Realty & Auction, LLC.

August 30 — Gun auction held at Salina. Auctioneers: Wilson Realty & Auction Service.

August 31 — Farm machinery, new skid steer, nice pickups & more at Clay Center for The Lorenz Karmann Estate. Auctioneers: Kretz Auction Service.

September 4-80 acres

m/l acres Cottage Hill Cropland farm auction held at Waterville for Eugenie E. Long Trust. Auctioneers: Olmsteds Auc-

> September 12 - Possible antiques & collectibles, guns, farm machinery, pickups, hay equipment, livestock feeding equipment & a number shop tools held at Bennington for Denny & Janice Graham. Auctioneers: Royce Bacon Auction Service.

> September 12 — Real Estate & personal property auction at Salina. Auctioneers: Wilson Realty & Auction Service. September 19 - House-

> at Clay Center for Betty (Mrs. Grant) Sump. Auctioneers: Kretz Auction Service. September 20 - Guns & Reloading Auction held

hold goods & collectibles

at Salina. Auctioneers: Wilson Realty & Auction October 10 — 1,400 acres m/l of Brown County land held at Hiawatha.

Land & Home. October 28 — Fink Beef Genetics Production Sale held at Randolph. Contact Galen Fink at 785-532-9936.

Midwest

Auctioneers:

December 5 — Consignment auction held at Wetmore for St. James Catholic Church. Early consignments contact Bill Burdick (785-547-5082) or Ron Burdiek (785-207-0434).

ESTATE AUCTION SATURDAY, AUGUST 8, 2020 — 10:00 AM 4886 John Brown Dr. — OSAWATOMIE, KANSAS 66064 Osawatomie West on 347th turns into John Brown, 7 miles to Virginia Terr. South to John Brown Drive, 351st East to Auction.

TRACTORS: (some running, some not running) 966 International runs; 856 International Diesel, not running; 656 Gas Loader, runs; Ford Jubilee, runs; 560 International Diesel w/front m, not running; Johi Deere 620, not running; John Deere 60, not running; 460 Internationa Gas, not running; International Backhoe.

EQUIPMENT: NH disc mower; International batwing mower 15'; NH 849 auto wrap rnd. baler; JD 14T sq. baler; Hay Stacker pull behind JD 8300 grain drill; old swather, not working; JD 6600 combine w header; old steel wheel hay rake; grain augers; old grain bin; old JD pickers; chisel disk; 5 btm. plow; 3pt springtooth; JD wheel disk 12'; 8 wheel disk; Krause 1900 wheel disk; Massey Harris 35 self propelled combine; JD 45 combine; JD 2 row picker; International 1 row picke JD planter; JD 4 row planter; 1 btm. plow; JD harrow 3pt; JD 3pt hay rake; JD 896 rake; International 2350 loader; Anuser post hole digge sprayer; IH field cultivator; Fiber chisel; IH planter roll over plow; Bush Hog 5' Razor back mower; And lots more!

TRUCKS & AUTOS: 1992 Chevy ext. cab 4x4 dually; Chevy S10; Ford F250 4x4 70s; 65 Chevy truck; F150 4x4, not running 70s; Dodge dump truck, not running; 1965 Dodge pickup parts; 60s VW car parts; VW Rabbit parts; 76 Ford tilt bed truck, New motor but set for awhile; Hudson Hornet; Dodge Seneca; Mercedes 4.5 280Se, not running F150 4x4 70s: And more autos!

TRAILERS: Old Military flatbed trailers; Military trailers w/water tanks; old running gears; Ford truck bed trailer; 4 wheel wagon frame; mowel trailer; & more. 3 axle gooseneck stock trailer; semi trailer.

4X4S: Honda 650 4 wheeler; Honda 250 4 wheeler; JD Gator diesel; gas wood splitter; portable saw mill; Hobart welder on trailer; welding torch set; sprayers on trailer; T-posts; barbwire; woven wire; steel tanks; hand tools; steel pipe; shelving; Big Press; (3) 40' shipping containers; alum boats; trusses; lots of new barn tin; lots of lumber; battery charge ammo boxes; air compressor; leaf blowers; Johnson boat motor; old Mil itary generator; elec. log splitter; grinding wheels; lots & lots of scrap iron; hay feeder bunks; Avion slide on camper; & lots more too numerous to mention! We will be running two Rings.

FRANK AUSTIN ESTATE

Because of Covid-19 Please follow CDC Guidelines. Concessions & porta pots available

Pictures & full text at www.kansasauctions.net

EASTERN KS AUCTION BARN • 785-241-0208 RON WEATHERBIE, AUCTIONEER CECIL BEATTY, ROBERT KUIKEN, AUCTIONEERS

Cash, good check or credit card day of sale. Photo ID to obtain a bid number. Statements made day of sale take precedence over all printed material. Not responsible for theft, injury or accidents to persons or property.

K-State joins Operation Warp Speed to develop vaccine with Tonix Pharmaceutinovation and immediate With the recent an-

nouncement by Moderna, a biopharmaceutical company, to launch a Phase 3 efficacy trial, the U.S. now has two COVID-19 vaccines in Phase 2 of development and several more in Phase 1. While the vaccines go through Phase 3 to ensure safety and efficacy the U.S. will also begin the manufacturing process to have a vaccine available for high-risk patients this year.

addition, Kansas In State University recently

cal Holding Corporation to begin a preclinical research and option agreement to develop a COVID-19 vaccine. The agreement is one of the 100-plus vaccine development projects currently part of Operation Warp Speed, a joint effort between the Department of Health and Human Services and the Department of Defense, which aims to deliver 300 million doses of a vaccine for COVID-19 by January 2021.

"The American health

and rapid responses to new health care challenges," said U.S. Congressman Roger Marshall, M.D. "Public-private partnerships are the backbone of our nation's research and development pipeline and I'm encouraged to see Kansas State University apply its expertise in animal health to hasten development of a human vaccine for COVID-19. President Trump has prioritized vaccine development for this virus and it is mission crit-

spike protein.

announced its partnership ical that we leverage every care system allows for in-

SATURDAY. AUGUST 1. 2020 - 10:00 AM 2126 Tamarron Terrace - MANHATTAN, KANSAS

1995 Lincoln Town Car, Signature Series: 1993 Chevy Silverado 1500 pick-up, 158,000 miles, automatic.

Antique Oak roll top desk; 2 antique 4-drawer file cabinets; 3-section antique stack bookcase; near new couch with recliners; recliner loveseat; Dining table with 8 matching chairs & leaf; large dresser; King bed; matching bedside tables; cabinet with marble inserts; Samsung flat screen TV; TV stand; Danish table & 4 chairs: corner desk: footstool; French Provincial 7-drawer jewelry armoire; couch; dresser; glass top end table; kitchen table & chairs; buffet; dresser with mirror; dropleaf table; end table with drawer; wooden chair; glass top coffee table: oval stand table; 2 living room chairs, one with ottoman: desk: 4-drawer stand, white desk & chair; folding tables; wooden shelf; valet; 2-drawer file cabinet; bookcase; Emerson TV; springs & mattress; TV cart; magazine rack; headboard; spool stand; metal 2-door cabinet; footstools; Maple chair; child's Director chair; card table. **GUNS** H&R Green Wing Special

20ga single shot; Ithaca double barrel shotgun. Ansonia weight clock; vari-

ety of Artwork, handpainted plates; pictures; Community plate flatware; KSU picture; linen; Christmas plates; silverplate; India covered bowl; crockpots; Keurig coffee maker; mixer; coffee maker: blender: electric skillets: roaster; Pyrex baking dishes; napkin rings; bowls; glass bell; Elite popcorn machine; 2 Bud steins; relish plates; glass bowls; Corelle; lamps; ice bucket; vases; milkglass cake stand; candleholders; pitchers; baskets; soup bowls; stainless; kitchen utensils; cake & muffin pans; BBQ tools; cutlery; toaster; bread pans; pots; pans; Lots Christmas Décor; books; cast iron skillets; Christmas tree; Miller Lite beer light; shoe store mirror; cards/poker chips; bar ware; mirror; projector screen; saws; jack; gas cans; ladder; rakes; shovels; hoes; extension cords; garden hose; power tools; ice cream freezer; tarps; pet carrier; golf clubs; fishing poles full tackle box; metal shelf; weedeater; golf bag; coolers & thermoses: bag folding chairs; lots more!

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5.422+/- ACRES CROPLAND & GRA

Page 12 Grass & Grain, July 28, 2020



ON THE EDGE OF COMMON SENSE

Littered With Progress society, about the shape

of our civilization. Some

of our past inventions are

quite practical and inge-

nious. The self-sealing,

puncture-proof tire, mer-

cury lights, insecticide ear

tags, microwave ovens, the

Salk vaccine, four-wheel

drive, frozen orange juice

and boxed beef. Pistachio

tree roots are susceptible

to certain kinds of root rot.

But peach tree roots are

more resistant. So the pis-

tachio growers graft pis-

tachio trunks onto peach

tificial insemination has

done to improve the qual-

ity of our livestock produc-

tion. Genetic engineering

strive to achieve we go off

the deep end. Take the cell

phone. When they first ap-

peared on the scene they

were expensive, heavy and

required two hands to op-

erate. Now you can get a

disposable one with a cam-

era that adds, subtracts,

calculates square roots,

tells you the time in Singa-

But sometimes when we

is space age technology.

Consider how much ar-

tree roots. Clever.

The other day on the internet, I saw an old commercial of a semi truck that had these words painted on the side: JONNY KAT, KITTY LITTER. For some reason that had a profound affect on me. Imagine a semi full of kitty litter! 40,000 pounds of scented, colored, and packaged cat box contents!

That has to say some-



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GRASS& GRAIN

Call 785-539-7558 or visit us ONLINE at www.grassandgrain.com pore, wakes you up, plays you a tune, gives you the weather and news, takes your pulse, calendars all vour events and reminds you of them all, and controls all appliances in your house! What I'd like to find is a cell phone that gives me more hours in a day!

And speaking of rotting edges affluence, how about aerosol cheese spread? I thought plastic wrapped, individual cheese slices were pretty decadent but vou can also foam it onto your crackers like shaving

Yep, we've surrounded ourselves with creations that have gone a step bevond their original purpose; fender skirts, square headlights and veterinarians with Ph.D.'s. Some might even include Pekingese, Chihuahua or Appaloosa in that group but I know how sensitive animal breeders are so I certainly wouldn't include them. Obviously our adventures into the extreme or entertaining are useful. We learn and perfect by doing.

Well, my digital ballpoint pen is playing Mammas Don't Let Your Babies Grow Up To Be Cowboys, so I guess it's time to brush my teeth and hit the sack. I hope the batteries are still charged in my computerized flosser.

www.baxterblack.com

HEIFERS

451@156.00

563@154.50 535@153.50

579@152.00 534@148.00

575@147.00 607@145.00

560@145.00

629@144.75 613@144.50

650@143.25 604@143.00

616@138.75

681@138.50

667@138.50

716@137.35

741@136.50

715@135.00

700@133.00

787@133.00

788@131.25

774@131.00

891@127 25

914@127.00

195@500.00

250@450.00 110@335.00

90@235.00

1910@107.50

1825@105.00

1580@103.50

1850@99.50

2075@98.50

1450@97.50

1610@97.50

1475@95.50

1360@75.00

1465@74.00

1240@73.50

1185@73.00

1545@72.00

1375@71.50

1495@71.50

1385@71.00

1505@71.00

1395@70.50

1270@70.00

North American Meat Institute issues statement on USDA investigation into beef markets following extreme events In August 2019, USDA

The North American Meat Institute (Meat Institute) released the following statement about a USDA investigation into beef price margins. The report, which identifies no wrongdoing, affirms that two extreme and unforeseen events affected beef markets. The first event was an August 2019 fire at Tyson Foods' Holcomb beef plant, and the second is the COVID-19 pandemic. "In its analysis of the

effects of the fire and the pandemic, USDA found no wrong-doing and confirms the disruption in the beef markets was due to devastating and unprecedented events," said Meat Institute president and CEO Julie Anna Potts. "It is difficult to see how the USDA's recommended legislative proposals would have changed the outcome of the fire or the pandemic.

"We will continue discussions with producer groups, Congress, and the administration to ensure there is a fair and competitive market. It is especially critical in these uncertain times for producers and packers to work together."

announced its intent to investigate the economic impact caused by the loss of processing capacity after the fire at the Holcomb slaughter facility. In April of this year, USDA expanded the scope of that investigation to include the impact the COVID-19 pandemic has had on industry-wide plant slowdowns. In both instances, the temporary loss of processing capacity interrupted the demand for cattle, causing cash market fed cattle prices to fall and reducing the supply of beef causing wholesale beef prices to rise. Although weekly cattle slaughter and beef production has recovered to near normal levels for this time of year, after dropping by more than a third in in late April, the large number of unharvested cattle and continued consumer demand for beef re-

Agriculture analyst Dave Juday, of The Juday Group, has released an analysis of the USDA Report and its statutory recommendations.

main factors in the market.

As Dr. Stephen Koontz

of the Department of Agricultural and Resource Economics at Colorado State stated "Record low livestock prices are also not a surprise. If packers cannot run at typical throughput levels - especially if supplies are abundant -then the marginal value of that last group of animals that is not sold is close to zero."

Koontz described COVID-19's disruption of the beef market this way, "Record-high meat prices are not a surprise. The grocery store supply chain was emptied during the closures of the local economies and then had difficulty catching up. Further, prices associated with specific cuts that consumers typically prepare at home were the highest. Prices of cuts sold at restaurants initially dropped to record lows and then rallied as consumers made substitutions and began purchasing cuts they did not typically buy. However, all rallied as total of beef supplies diminished with closures and partial operations."

Farmers & Ranchers **AUCTIONS EVERY MONDAY & THURSDAY**

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

RECEIPTS FOR THE WEEK: 4,185 CATTLE.

17 blk

4 mix

10 blk

11 blk

2 blk

2 blk

14 blk

50 blk

8 mix

8 blk

1 red

1 red

1 bwf

1 blk

1 blk

1 red

1 char

1 blk 1 blk

1 red

1 blk

1 blk

1 bwf

1 bwf

1 blk

1 blk

2 red

1 blk

1 blk

1 bwf

1 bwf

2 blk

867@136.25

883@135.50

916@133.00

910@132.00

940@131.75

994@130.00

982@130.00

995@127.00

1066@125.25

1 char

63 mix

Salina

Salina

Durham

Lorraine

Tampa

Salina

Wilsev

Halstead

Randolph

Lindsborg

Randolph

Lindsborg

Lehigh

Lehigh

Marion

Salina

Hope

Salina

Inman

Sylvan Grove

McPherson

Concordia

Abilene

Tescott

Tescott

Lindsborg

Lindsborg

Concordia

Hope

Gypsum

Lindsborg

MONDAY, JULY 20, 2020:

CALVES

BULLS

COWS

Clay Center

Whitewater

119 mix Assaria

Gypsum

400-500	\$167.00 - \$173.00	5 mix	Courtland
500-600	\$154.00 - \$161.00	54 mix	Clay Center
600-700	\$158.00 - \$162.00	39 mix	Salina
700-800	\$147.00 - \$152.50	4 blk	Salina
800-900	\$136.00 - \$143.10	7 mix	Salina
900-1,000	\$125.00 - \$133.00	3 char	Ellsworth
		3 red	Burrton
	HEIFERS	2 blk	Brookville
400-500	\$146.00 - \$156.00	54 mix	Salina
500-600	\$144.00 - \$154.50	4 blk	Salina
600-700	\$138.00 - \$145.00	15 mix	Abilene
700-800	\$131.00 - \$137.35	4 red	Salina

\$125.00 - \$127.25

\$120.00 - \$127.00

THURSDAY, JULY 23, 2020:

STEERS

STEERS

800-900

39 mix

58 blk

56 mix

56 mix

55 mix

52 mix

56 mix

55 blk

53 blk

Hope

Hope

Chapman

Florence

Uniontown

Uniontown

Wilsey

Hope

Chouteau, OK

900-1.000

12 blk	Salina	461@173.00
5 blk	Leon	490@167.00
8 blk	Tampa	625@162.00
4 blk	Assaria	511@161.00
5 mix	Hope	596@161.00
3 blk	Clay Center	607@161.00
4 mix	Salina	519@160.00
4 blk	Ellsworth	620@160.00
8 blk	Galva	614@160.00
7 mix	Salina	570@155.00
5 blk	Leon	571@154.00
6 blk	Assaria	582@153.50
80 blk	Salina	714@152.50
5 mix	Halstead	675@150.00
23 mix	Hope	717@148.00
54 mix	Salina	732@147.00
4 blk	Brookville	753@145.00
24 mix	Whitewater	713@144.25
12 blk	Durham	780@144.00
66 blk	Salina	786@144.00
132 blk	Salina	793@144.00
135 red	Salina	834@143.10
64 mix	Assaria	786@140.00
8 blk	Marquette	853@138.00

IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- 42' ROUND BALE DUMP TRAILERS
- HEAVY DUTY FEED BUNKS (Silage & Grain)
 - HEAVY DUTY 5000# GRAIN TOTE

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211 MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY Hogs sell at 10:30 a.m. on the 2nd & 4th Monday of the month.

Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls

THURSDAY — CATTLE ONLY

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

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD

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

CATTLE USA.com LIVE CATTLE AUCTIONS FARMERS & RANCHERS HAS SWITCHED BACK to

A.com for our online auctions. 1680@70.00 14 blk young@1450.00 1 red Abilene Marion 1 blk Lindsborg 1375@70.00 8 bwf Marion young@1450.00 15 blk young@1425.00 3 mix Halstead 1300@70.00 Marion Salina 1305@70.00 19 blk Wilmore young@1400.00 young@1400.00 **BRED HEIFERS** 13 red Salina

1 char @1750.00 24 blk Salina young@1400.00 Mullinville 12 blk solid@1325.00 10 red Mullinville @1575.00 6 blk Salina Mullinville 10 red @1560.00 Mullinville Copeland 13 red @1510.00 9 blk young@1850.00 @1500.00 Mullinville 8 blk Copeland solid@1660.00 8 blk Wilson young@1560.00 3 blk 36 hlk Emporia young@1625.00 14 blk Peabody young@1485.00 solid@1475.00 young@1600.00 28 blk Peabody 11 blk Peabody young@1585.00 11 blk Peabody 7 blk Deever, SD young@1475.00 young@1500.00 Peahody 3 blk solid@1450.00 6 red Copeland 5 blk Emporia young@1500.00 8 blk Peabody solid@1435.00 young@1475.00

29 blk

Emporia

Marion

Time Is Running Out to get your horses consigned to the

9 blk

Copeland

old@1385.00

FALL CLASSIC HORSE SALE

young@1460.00

Annual Weanling & Yearling Sale ON OCTOBER 10-11, 2020.

Deadline to consign is August 1st.

EARLY CONSIGNMENTS FOR THURSDAY, JULY 30, 2020

- 300 Steers grass 750-850
- 475 Black Steers grass 775-875
- 315 Mix Steers (heavy black) 850-950
- 70 Black S&H weaned May 15, vacc, home raised, Knielly Sired 500-650
- 10 S&H home raised, long time weaned 700
- 950 Mostly Black Steers off Native grass 750-950
- 20 Black Heifers grass, open 700-750
- 23 Mostly Black & Red S&H vacc, off millet, 100+ day weaned 650-750
- 25 S&H long time weaned, vacc, bunk & hotwire broke 550-600

PLUS MORE BY SALE TIME

NEXT COW SALE IS TUESDAY, AUGUST 11, 2020

For Information or estimates, contact:

Mike Samples, Sale Mgr., Cell Phone 785-826-7884 Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901 Cody Schafer Kenny Briscoe Kevin Henke

Jim Crowther Lisa Long 620-553-2351 785-254-7385 Roxbury, KS Ellsworth, KS

620-381-1050 Durham, KS

785-658-7386 Lincoln, KS

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

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

> Austin Rathbun 785-531-0042 Ellsworth, KS



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