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Bob Smith recognized as KSU distinguished alumnus Dr. Bob Smith was rec Dr. Bob Smith was rec vice to feedlot clients in as guidelines by thousand as guidelines by thousand

Dr. Bob Smith was recognized as the 2023 Kansas State University Department of Animal Sciences and Industry Distinguished Alumnus on Monday, November 13.

Smith was born in Pittsburg, Kansas where he grew up on a small livestock operation. He obtained his bachelor's (1968) and master's (1970) degrees from K-State ASI and attended K-State for veterinary school. Following veterinary school, he completed a large animal medicine and surgery internship and clinical instructorship at Oklahoma State University.

While at OSU, he was a field services clinician, with concurrent responsibilities for clinical research on stocker cattle diseases. He then worked as a feedlot veterinarian for two years and then returned to OSU for ten years and is currently Pro-



Dr. Mike Day presents Dr. Bob Smith with the plaque for being named the 2023 Kansas State University Department of Animal Sciences and Industry Distinguished Alumnus.

Courtesy photo

fessor Emeritus at OSU's College of Veterinary Medicine

Smith joined the Veter- tice emphasis on feedlot

inary Research and Consulting Services LLC, in 2000, with primary practice emphasis on feedlet

and stocker health and management. The 11 veterinarians associated with the practice provide service to feedlot clients in ten states. In 1983 he was certified as a diplomate of the American Board of Veterinary Practitioners. While serving as the Food Animal Regent for the ABVP, he led the effort to establish specialties in swine, dairy and beef practice, making board certification more attractive to veterinarians whose practice deals intensely with one species.

During his career, Smith was involved in 45 research studies, producing 30 research reports and co-authoring or authoring over 30 peer-reviewed manuscripts. He has served as president of the American Association of Bovine Practitioners, the Academy of Veterinary Consultants, and the Western Veterinary Conference. He was instrumental in developing and implementing the Beef Quality Assurance Program used

as guidelines by thousands of beef cattle producers in the U.S. Smith has been recognized numerous times for his contributions to veterinary medicine and the beef industry.

"The ASI Department

is proud to recognize Bob Smith as the 2023 Distinguished Alumnus," says Dr. Mike Day, K-State ASI department head. "His impacts on many facets of the beef industry revolve around his commitment to taking a science-based approach to increase the quality of beef. His influence extends across producers, industry organizations, the animal sciences, the veterinary community and others. It was great to have him in the ASI department for a day to interact with students, faculty and staff."

Dr. Smith and his wife, Gerri, have four children and ten grandchildren.

Governor Kelly attends 2023 Governor's Conference on the Future of Water



Governor Laura Kelly attended the 2023 Governor's Conference on the Future of Water in Manhattan last week. "Water is an issue that affects everyone in Kansas, so we need input from all stakeholders to develop viable, sustainable solutions to the challenges we're facing," she said. She highlighted the hiring of Vijay Ramasamy as senior advisor on water in her office. Ramasamy will work across agencies and with partners at the state and local level to develop well thought-out solutions to the issue if water use and conservation in the state. She also talked about the creation of a water subcabinet to build a collaborative, all-of-government approach to water issues and programs.

"In the last legislative session, we were able to pass two landmark bills thanks to stakeholders and legislators' willingness to come together and drive progress," Kelly said. "One of those bills, HB 2279, partnered with Groundwater Management Districts on an accountable and transparent path forward to manage our state's water resources. It created a specific timeline for communities to develop strategies around water quantity and quality across the state. This is a significant development. The other, HB 2302, allocated an unprecedented investment in the State Water Plan,

to the tune of \$35 million annually for the next five years."

Kelly discussed the agreement she and Senator Jerry Moran reached with the Kansas Department of Agriculture and the federal Fish and Wildlife Service concerning the water rights issues around the Rattlesnake Creek Basin.

"The impairment in Rattlesnake Creek has been an issue for decades and, much like our broader water problems, addressing it was not a question of "if" but "how." We needed to ensure an accountable and sustainable solution, one that secured the Fish and Wildlife Service's senior water rights without simply cutting off water to hundreds of residents. The agreement we helped broker gives local stakeholders time to find a solution. while keeping in place a call for water if a satisfactory plan isn't submitted," she stated. "I know not everyone was a big fan of the decision, but we must move forward with both accountability and partnership. I'm grateful to the Fish and Wildlife Service for their willingness to come up with a compromise that provides a responsible path forward."

Stressing the critical nature of prioritizing water issues, Kelly said, "I won't sugarcoat this. Preserving the quality and quantity of our water is an existential issue for our

state. Resolving it is not going to be easy, and it's not going to be cheap. If there was a simple solution, it would have already been implemented. And, as I said earlier, there are many different stakeholders here, all of whom have different—and sometimes opposing—wants, needs, and objectives. There are going to have to be compromises – there is no other choice."

Kelly said the state has the funding, technology, data and momentum to make real progress on the issue of water in Kansas.

Kansas Cowboy Hall of Fame inducts 2023 class



On November 4, 2023 five individuals were inducted into the Kansas Cowboy Hall of Fame at Boot Hill Museum.

The 2023 inductees were:

Phill Epp, Kansas, Cowboy Artist

Rodney Cook, formerly of Caldwell, Cowboy Historian Charles R. McKinney, formerly of Englewood, Rancher/Catleman

George Steinberger, formerly of Richmond, Rodeo Cowboy Orban Leon Stephens, Fall River, Working Cowboy Boot Hill Museum and the Kansas Cowboy Hall of Fame thanks ITC for their generous support of this event.

Boot Hill Museum and the Kansas Cowboy Hall of Fame also thank the Boot Hill Distillery for their partnership in producing an exclusive series of single barrel bourbon whiskey in honor of the inductees. At the ceremony Boot Hill Distillery presented a check to the Kansas Cowboy Hall of Fame for the proceeds from last year's whiskey sales.

Beholding Glory



Justine Henderson, Minneapolis, was the winner in the People category of the 12th annual Ranchland Trust of Kansas photography contest. Photographers of all ages submitted photos that showcase the mission of RTK, "To preserve Kansas' ranching heritage and open spaces for future generations through the conservation of working landscapes." Winning images were selected by a panel of RTK and Kansas Livestock Association representatives, along with special guest judge and professional photographer Jim Richardson. Richardson is a Kansas native and has traveled the world as a National Geographic photographer for over 35 years. He also speaks nationally and internationally.

Optimism and Opportunity

By Greg Doering, Kansas Farm Bureau

Rural America has always been inhabited by optimists. People who accepted living in remote corners of the country came with challenges and even a little loneliness. Maybe they didn't have any better options, like the homesteaders who populated Kansas. Or maybe they understood they were trading one set of challenges for another

and, like a weed, loneliness can take root about anywhere.

My recent travels have made it clear that nothing has really changed, at least in rural Kansas. The optimists are still there. So are the challenges, but the biggest problem is the same as it's always been. There's simply not enough people to fulfill all of the opportunities available in the small cities, unincorporated towns and farms

that dot the landscape across the countryside. Time after time, it's

the same story. Jobs are plentiful, but the bodies to fill them aren't there. The jobs not being done are across all sectors and all pay scales, from professionals like doctors, lawyers and veterinarians to blue collar workers like truck drivers, plumbers and welders.

The journey to these shortages has been slow. As difficult as it is to attract someone new to a small town, it can often be harder to retain someone who already lives there. I'm a perfect example. It was always explicit I'd leave my small town to attend college. That was the message I heard from the

time I started kindergarten until I graduated high school.

I assumed leaving was a one-way ticket because the chorus was leave and get an education. There was no verse encouraging me to return, and I've met plenty of colleagues with similar backgrounds who heard the same song.

So, most of us left, got our degrees and went searching for opportunities elsewhere. We got married, had kids and settled into comfortable lives elsewhere.

I suspect this is partly because more populous places seemed more prosperous to those of us in our youth. Life was a lot less convenient as a teenager when the near-

est movie theatre was 30 miles away and your favorite restaurant was a similar distance in the other

We were searching for amenities our towns didn't offer. No one considered why they weren't available or what message was received by our wanting.

Maybe because I'm now older, I look at things differently. In my recent travels it's evident people are noticing the little things and working to find solutions. There are efforts to keeps schools open, secure the local grocery store or help an entrepreneur get established on

The negatives of rural life are now treated as temporary obstacles that

can be overcome. This includes recasting nothing as one of the key amenities of living in a small town, like no traffic, no waiting and no commute.

Reversing a generation or two of pessimism will take time, but I'm optimistic it's possible. Maybe rural Kansas creates optimists rather than attracts them. After all, it's tough to not be filled with hope after seeing all the opportunities available. Now we just need others to notice.

"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.

Grain storage outlook improves for U.S. elevators, but bushels remain elusive

The profit outlook for U.S. grain elevators storing corn and soybeans has improved significantly for the 2023-24 marketing year with buy basis falling and carries returning to futures markets. The world market is currently awash in grains, and global supplies of corn and soybeans are abundant. The improved market conditions follow two consecutive years of inverted futures markets, which limited the ability of many elevators to earn a profit from storing grain.

The current challenge for grain elevators is simply gaining ownership of bushels. Farmers have been reluctant to sell, as corn and soybean prices have fallen sharply from their peaks earlier this year. That has left elevators with lower levels of grain ownership to take advantage of wider carries and basis levels. Basis has fallen to multi-year lows in some regions of the country.

However, the delay of grain moving to elevators is expected to be short-lived. According to a new report from CoBank's Knowledge Exchange, the challenge of acquiring bushels should begin to ease for elevators early in 2024. The rising cost environment will likely compel farmers to sell in January, February and March to generate cash for spring planting and operational expenses. Farmers are also expected to be more willing to sell on price rallies over \$5 per bushel for corn and \$14 per bushel for soybeans, which will cap any run-up in basis.

Many grain farmers have the benefit of being in a very strong cash position following last year's record farm income levels," said Tanner Ehmke, grains and oilseeds economist for CoBank. "They have been quite content to hold on to their grain since prices have fallen. But higher land rents and borrowing costs, combined with rising prices for inputs like fertilizer, will probably motivate farmers to sell as the calendar

Some elevators have been able to make up for the lack of ownership through higher storage fees and by offering delayed pricing programs. Delayed pricing allows farmers to deliver grain when it is convenient and price it later, with many elevators charging much higher service fees to cover the elevator's higher risk of owning unpriced bushels in a carry market. Storage programs have become popular as farmers wait for a rally in futures prices or local basis.



Isn't it funny how sometimes we go into a Monday morning thinking that things are going to go badly just because it is a Monday? I truly believe that attitude affects what happens to you and if you think things are going to go bad, they will. I say I believe this, but often I fall into the trap of thinking that because one thing did not go the way I wanted it too, the rest of the day will not go well either. I know that was all very convoluted, so let me give you the example of my last Monday.

I needed to get a lot of chores done and then run errands before leaving on a two-day trip out of town. I was leaving Jennifer the chores, so I wanted to make sure I had them as easy as possible. It was a tight schedule but if everything went right, I would be good. In the back of my mind, I was remembering it was a Monday and even though I know that has nothing to do with success, I let it cloud my thinking.

Chores went okay right up to feeding my newly weaned spring calves. I put their grain out and that is when I noticed the newborn calf in the pen. This is the newly weaned spring calf pen but there are also six fall replacement heifers among the group. I say they are in there because they are helping the newly weaned calves find the feed bunks and also helping to keep them calm. That is mostly true, but the real reason they are in the pen is because I don't have anywhere else to go with them at this moment.

My pen space is very limited, but I challenge anyone to tell me they have more pens than they need. This time of the year all my cows and calves will pass through my working facilities and stay there for differing lengths of time depending on many factors, the most significant of which is my ability to build electric fence. I had to wean the spring cows and move them out on corn stalks so I could bring the fall cows home, work the calves, and move them out on cornstalks also.

I got the spring cows moved out and the fall cows moved in. I have three fall cows to calve yet; that is an important piece of information and one I didn't think about. Back to the moment. I see the baby calf and for some reason I jump to the conclusion that one of the replacement heifers had gotten bred and

had a calf. Why did I jump to that specific conclusion? Probably because it was Monday, I was in a hurry and stressed, so I assumed the worst.

Immediately I went into a panic and thought I now had a bucket calf because no one in the pen acted interested in the calf. I didn't have any colostrum or milk replacer and would have to run into town, that would take at least half an hour. Then I would have to feed the calf and that would take even longer. On top of that I was leaving Jennifer with more chores to do in the morning, and I was in the midst of a panic attack, crisis. I did not have time for this in my tight

I decided to finish chores, and everything needed their hay feeders filled. I should have taken care of the calf first, but I was having trouble dealing with the intrusion on my finely tuned plans. I know, it wasn't right but that is the truth. I will say that did come back to be a good thing in the end. Jennifer called in the middle of all of this to check and later she would say I was grumpy. She was right, but I plead that it was a Monday and that should trump grumpy.

In full panic mode I fed the cows and that included one of the fall cows insisting that she go out the open gate and disappear into the bigger pasture. She would be dealt with later; I had bigger issues. I fed the fall cows and noticed that one of the three cows that had not calved had afterbirth and the mystery of the unclaimed calf was solved. How the calf got through two good fences is still a mystery. Long story short, I got her in the corral and reunited her with her calf. All was good, even on a Monday.

Upon reflection, I decided that on just about any other day of the week I would have taken it in stride and not panicked but my brain just assumed because it was Monday, something had gone wrong. In fact, everything had gone right. The calf just as easily could have gone the other way out into the larger pasture and been coyote bait. The cow could have been harder to catch, and the story could have ended differently. I went on about my business and my schedule worked out perfectly and I was, in fact, very early to my evening appointment that I had worried about being late too. Who knows, maybe Mondays are really good luck?

For elevators that have been able to gain ownership of bushels, the transition to a carry market will be awkward for some merchandisers who have been actively trading freight and selling commodities in an inverted market for the past two years. In a carry market, elevators are instead incentivized to store grain rather than sell it.

Supported by strong domestic demand for corn and soybeans, basis is expected to appreciate over time. Cheaper transportation rates plus strong end-user demand among livestock feeders, ethanol plants and soybean crushers are expected to help prevent basis from dropping significantly. However, the rise in basis will be limited given the ample global supply of corn and soybeans.

The smaller U.S. soybean harvest this year combined with record processor demand has put a strong floor under soybean basis relative to corn. Processor margins have been supported by growing demand for soybean oil for renewable diesel and a record export pace for soybean meal in the absence of Argentine exports.

Ehmke said the biggest wildcard that could affect carry and basis is the U.S. corn and soybean export program.

"The risks largely come from abroad," said Ehmke. "Chinese demand could suddenly appear for corn or soybeans or disappear for grain sorghum. And a short South American crop would result in futures spreads narrowing considerably, which would incentivize elevators to sell soybeans.'

Reward increased for cattle missing in Wabaunsee County

A total of \$11,000 now is being offered for information leading to the arrest and conviction of the person(s) who stole 16 calves and one cow in Wabaunsee County last month. The owners of the missing cattle are offering \$5,000 and the Kansas Farm Bureau has tacked on \$1,000. This is in addition to the original \$5,000 offered through the KLA theft reward program, which only applies when the producer is

a member.

The cattle were stolen sometime between October 9-16 from a pasture about five miles southeast of Wamego. The black- and red-hided calves weighed 400 lbs. to 450 lbs., are of mixed sex and had vellow tags in their right ears. Anyone with information on the cattle should contact the Wabaunsee County Sherriff's Office at (785) 765-3323.

Kansas corn, sorghum production up, soybeans and cotton down

Based on November 1 from last year's producconditions, Kansas's 2023 corn crop is forecast at 645 million bushels, up 26%

tion, according to the US-DA's National Agricultural Statistics Service. Area to



bake themselves into bread."

be harvested for grain, at 5.33 million acres, is up 20% from a year ago. Yield is forecast at 121 bushels per acre, up six bushels from last year. Sorghum for grain is forecast at 155 million bushels, up 47% from last year. Area for harvest, at 3.30 million acres, is up 22% from 2022. Yield is forecast at 47 bushels per acre, up eight bushels from last year. Soybean production is forecast at 114 million bushels, down 12% from last year. Area for harvest, at 4.40 million acres, is down 7% from 2022. Yield is forecast at 26 bushels per acre, down 1.5 bushels from last year. Cotton production is forecast at 165,000 bales, down 1% from last year. Acreage for harvest, at 88,000 acres, is down 50,000 acres from 2022. Yield is forecast at 900 pounds per acre, up 323 pounds from a year



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Creekstone Farms awarded North America's Best Steak at 2023 World Steak Challenge

A beef producer in nowned for its unwavering on a blend of grains, hav. Kansas has taken home one of the top awards for its steaks at the 2023 World Steak Challenge. The World Steak Challenge gives steak producers from across the globe a unique opportunity to benchmark product quality, breed credentials, and processing standards on an international stage.

Creekstone Farms, the beef supplier that has been raising cattle the right way since 1995, took home the coveted title of North America's Best Steak for its Ribeye Wet-Aged Steak at the awards ceremony. Backed by US-DA-recognized G-schedule programs for third-party quality verification, Creekstone Farms is recommitment to delivering top-quality 100% Black Angus Beef with its refined feeding techniques and sustainable crate-free practices.

Australia has claimed the overall title of the producer of the World's Best Steak. Australian producer Jack's Creek took home the accolade for its grainfed Wagyu Black Angus cross sirloin, which was also named the World's Best Sirloin and World's Best Grain-Fed Steak, as well as Oceania's Best Steak.

Jack's Creek cattle are bred and raised on the natural pastures that surround Willow Tree in central New South Wales. They are then finished

and silage. Their steaks are served in some of the U.S.'s top steakhouses and restaurants, including Bascom's Chop House in Clearwater, Florida, Komodo in Miami, and iWAGYU in California.

World Steak Challenge Winners List:

World's Best Steak, Oceania's Best Steak & Best Sirloin

Jack's Creek Australian Cross Breed Wagyu Sirloin

Asia's Best Steak & World's Best Wagyu Steak

Ito Wagyu A5+ Japanese Sirloin - Itoham Yonekyu Holdings

Europe's Best Steak & World's Best Filet Steak

Norland Heifer Ger-

man Filet - Danish Crown North America's **Best Steak**

Creekstone Farms Ribeye Wet-Aged Steak from the USA

South America

Best Steak Argentina Signature Ribeye Steak - Azul Nat-

ural Beef World's Best Ribeye Steak

55-Day Aged Ribeye from New Zealand - Alliance Group

The winners were crowned at a special dinner held the evening of Monday, November 13, 2023 at Steakhouse Smith and Wollensky following a two-day judging process held in September at Vlees and Co. Steakhouse in Amsterdam.

A total of 346 medals were awarded to steaks at this year's World Steak Challenge, including a record 134 gold medals, with 120 steaks given silver medals and 92 steaks bronze medals. Australia took home the most gold medals, with 18 steaks

from the country awarded the accolade. Ireland had the greatest medal haul with 67 steaks awarded a gold, silver, or bronze award.

Australia's Jack's Creek is no stranger to awards. Last year, it was the winner in the Ribeye category and the winner of the 2021 Best Filet, Best Ribeye, and Best Grain-Fed categories.

"This year's competition saw the highest standard of entries yet, with a record number of gold entries, but one particular steak stood out from the pack," says restaurant editor and World Steak Challenge judge Stefan Chomka. "Congratulations to Jack's Creek for its outstanding steak and to all the winners in the other categories. The global nature of this competition and the high quality of entrants demonstrates a true desire across the world to produce some top quality cuts of steak that are testament to the hard work that goes into beef production." "What a wonderful recognition and so deserved from all the people who are working so hard at Creekstone Farms, " said Patrick Pouw, manager of Nice to Meat International. "The farm has the genetics, the feeding options, and the facilities to process the cattle in a humane way. We are thrilled that Creekstone won the

gold medal." Judges at this year's challenge included Richie Wilson, culinary director of FIRE Steakhouse and Bar in Dublin; Ioannis Grammenos, executive chef and meatologist of Heliot Steak House in London; Paul Foster, chef-patron of Michelin-starred Salt in Stratford and GrassFed in Camden; Abdulrahman Alswailem, chef-owner of Marble in Riyadh, currently ranked number 23 in MENA's Best Restaurants; and Katie Doherty, CEO at the International Meat Trade Association.

Beef demand pushes prices up

With ever-tightening cattle and beef supplies pushing prices higher, all eyes are on beef demand going forward. Beef demand has been remarkably robust through many shocks in recent years and continues to surprise and impress despite the nervousness of the industry to the challenges facing consumers, said Derrell Peel, Oklahoma State University professor of agricultural economics and Extension specialist for livestock marketing, in a recent Drovers article. Post-pandemic beef demand has been exceptional since 2021. Per capita beef consumption in 2022 was 58.9 pounds, equal to 2021. Real (inflation-adjusted) retail all-fresh beef prices were record high in 2021 and just slightly lower in 2022. This compares to 2015, when real retail all-fresh prices reached the same level but with per capita beef consumption at 54.0 pounds, 8.3 percent less

So far in 2023, retail all-fresh beef prices have continued to increase, especially since July, with September at \$7.82/lb., a new record high monthly retail price. Retail allfresh prices have averaged 6.6 percent higher year over year (4.0 percent higher in real dollars) in the July-September period. Since July 4, weekly Choice boxed beef prices have averaged \$307.16/ cwt., ranging from a low

of \$299.94/cwt to a high of \$321.97/cwt. Choice boxed beef prices have averaged 18.4 percent higher year over year through the third quarter of the year. With beef production projected to be down more than 5.5 percent year over year, per capita beef consumption is expected to decrease to 57.0 pounds this year.

There are certainly plenty of macroeconomic and geopolitical uncertainties to keep the industry nervous about beef demand. However, the increasingly high quality and consumer preferences for beef continue to be reflected in strong beef demand. These factors, combined with tightening beef supplies, will keep wholesale and retail beef prices strongly supported in the coming months.

Chris Paxton BENEFIT DINNER & AUCTION

Please help SUPPORT Eudora High School Autobody Teacher (& auctioneer) in his FIGHT against Liver Cancer

SATURDAY, DECEMBER 9, 2023 Held at Holy Family Catholic Church Parish Hall 409 E. 8th Street, EUDORA, KANSAS 66025 Doors open from 6:30-10:00 PM

Cocktails, Appetizers, BBQ Dinner & Dessert:

or Corporate Sponsorship: \$500 (includes table for 8, Dinner & Drink Tickets)

Some items already donated for AUCTION include: * Winchester Super X Pump Shotgun

* 1984 Honda ATC125M 3-Wheeler

* 1 side of Beef, 2 Pork Packages * 1 Yr. Grass & Grain Subscriptior
Customade Chiefs Logo Smoker & More! Reservations must be made & paid by Saturday, Dec. 2

Caleb Lewis - caleblewis@eudoraschools.org, 785-423-0199 Jason Grems - jasongrems246@ hotmail.com, 785-542-5206

Send Cash or Check Donations or Make Reservations (with payment) to:

Paxton Support Fund, c/o Amy Gabriel, Eudora High School, 2203 Church St., Eudora, KS 66025

than the 2021-2022 level.

TO DONATE AUCTION ITEMS or for questions, contact: Amy Gabriel - amygabriel@eudoraschools.org, 785-766-8035

St. James 2023 CONSIGNMENT AUCTION

SATURDAY, DECEMBER 2, 2023 - 9:30 AM St. James Hall, 5th & Iowa St., WETMORE, KANSAS Breakfast 7:00-10:30, Lunch till end of sale by St. James Altar Society

PARTIAL LISTING: CARS, TRUCKS, TRAILERS: 1998 Buick LeSabre, 3.8 eng, auto., 183,000 mi, new tires; 2014 Ford Expedition EL, 5.4 eng, auto., 4x4, 121,000 mi; 1989 Chevy 2500, 4x4, 350 eng, 4-spd w/flatbed; 1995 Dodge 2500, 360 eng, auto, 4x4, 240K mi, w/flatbed; 2000 Ford F250, auto, 4x4, 240K mi, w/flatbed; 2000 Ford F250 w/flo eng, auto, 4x4, 240K mi, w/flatbed; 2000 Ford F250 w/flo eng, auto, 4x4 mi, w/flatbed; 2000 Ford F250, ext. cab, V10 eng, auto, 4x4, 128,150 mi, w/Krogman bale bed; 2001 Dodge 2500, 5.9 Cummins, auto., 4x4, 341K mi, w/Krogman bale bed; 2004 Ford F250, V10 eng, auto, 4x4, 153K mi, new tires, tool box; 2006 Dodge 2500, 2wd, 5.7 Hemi, auto, 254K mi, new tires; 2014 GMC Sierra 1500, double dab GMC Sierra 1500, double dab, 5.3 eng, auto, 4x4, 6.5' bed, 173K mi, new trans, leather seats; 2015 Chevy 1500, crew cab, new 5.3 eng, auto, 4x4, 105K mi, leather seats; 1970 Dodge 500 Fire Engine, V8 eng, 4x2 trans, 5560 mi, 700 gal. SS tank; 1998 Polaris 500 6-wheeler, 662 hrs.; 2013 Po-laris 800, open station, 5500mi.; 1965 Chevy C60 Truck, 350 eng, 4x2 trans, 13' bed w/steel sides & wood floor; 2016 Chevy bed only, 6'.5", red; 2001 Northstar utility bed 8' fiberglass service bed, 8'; 2002 Ford F250 front &

bed, 8'; 2002 Ford F250 front & rear axles.
TRACTORS, COMBINE, SKID LOADERS, TRAILERS: JD 530 Tractor, SN# 5302607, NF, PS, No 3-pt. hitch; JD 4010 Tractor, dsl, WF, 3-pt., Heiniker cab, single hyd.; JD 4430 Tractor, quad range, WF, 2-hyd., SN#4430H50317R, 18.4x38, 10.00x16, frt. & rear wts, Runs Good, AC not working; 2015 JD 6115D MFWD, 650 hrs, SN#D-6115D MFWD, 650 hrs, SN#D-VF0061929, reverser, 3pt, Quik Coupler, 3-hyd., w/H310 loader, QT, adapter for skid loader attachments; JD 4700 Tractor, MFWD, dsl, hydro, 3 pt, 3240 hrs, Turf Tires, dual mid-mount hyds.; CIH 1680 Combine, 2wd; IH 1060 6R30 Corn Head; IH 1020 Flex Platform, 20'; JD 893 Corn Head, 8R30', hyd. deck, plates, header height cont.; 2016 CAT 236D Skid Loader, 75hp., 220 original hrs, hand controls heater, AC, high flow aux. hyd., 12x16.5 tires, 72" tooth bucket, rear camera, Like New Cond.; 2015 JD 332E Skid Loader, 76hp, 1580 hrs. high flow hyd., hand controls, 3rd hyd attach., new 14x17.5 tires, no bucket; Groser Steel Tracks, fits 14x17.5 tires, new never used: 2013 Dae-

woo 1760XL Skid Loader, 4-cyl Perkins, 75hp., 1416 hrs., cab w/heater, foot controls, aux. hyds., neater, root controls, aux. nyds., w/72" bucket; 2007 Travalong heavy stock trailer, GN, 7x36', 17.5 wheels, 16 ply tires, ground load, 2-center gates; 2014 Titan Stock Trailer, GN, 7x24, 17.5 wheels, 16 ply tires, 2-center gates, 16 ply tires, 2-center gates, 16 ply tires, 2-center gates, Nice Trailer; 1995 Titan Stock Trailer, 7x20' GN; Dona-hue flatbed GN Trailer, 8x24, dovetail: Unverferth header trail-

FARM EQUIPMENT: 2008 JD 1790 Planter, 16/31 split, air clutches all rows, front 16 rows rebuilt 600 acres ago, monitor 25K acres, markers, 16 rows trash whips, 31- no-till coulters; Great Plains 2400TT Turbo Till, w/Crumbler & rolling basket; Killbros 1800 Grain Cart, 1000 bu, 30.5x32 Turf Tires, tarp, 1-3/4' PTO Harvest International H1082 auger w/swing away; JD 4710 SP Sprayer, 700 gal. SS tank, 60/90 booms, frame shows couple cracks, JD controls, Auto Steer, section control; JD 1590 No-Till Drill, 7.5' spacing; Landoll 7 shank V ripper, 3-pt, gauge wheels; NH HT154 Rake, 12-wheel; IH 2400 Big Round Baler, hyd twine tie; 3-pt. Spray Boom, 45' elec. fold boom, marker; Garfield box blade, 10' pull-type; 2023 JD FC15R Ropull-type; 2023 JD FC15R Rotary Cutter, 1 year Warranty remaining, cut 400 acres; In-Line 7 bale wagon, hyd. unload; 350 bu Gravity Wagon on JD running gears; small Bale Accumulation wiftent leader mountings. w/front loader mountings; JD H Spreader, ground drive; JD 148 Loader w/7' QT bucket; IH 370 Disc, 18' manual fold; JD Chisel, 3-pt, coil shank; wooden box wagon w/JD running gears; IH 496 Disc, 20' hyd. fold, 21' blades, no welds; JD 714 Disc Chisel, spring loaded shanks; Yetter Drill Markers, fits JD 1560-1590 drill; Pull-Type Sprayer, 500 gal. tank, 30' manual fold booms; IH 620 Drill, 24x7.5; IH 6R30' Plate Planter; Brady 18' Field Cultivator; Vermeer Rake,

10 wheel; Parker 2600 Gravi-

ty Wagon w/elec. 12-ton gears; Kinze 2200 12R30 Pull-Type lanter. Ag Leader monitor Precision finger pickups; Sitrix 12 Wheel Pull-Type Rake, Good Condition; Rotary Cutter 10', single wing; Krause 3-pt Chisel; Combine Trailer, heavy duty; bale spear, 3-pt; 2-Easy Trail 3400 Gravity Flow Wagons w/ elec gears, roll tarps; Willrich 24' Field Cultivator w/harrow attach.; JD 4-bottom Semi-Mount-ed Plow; Ford 501 Sickle Mower, 3-pt., 7'; Artsway Top Spread, Loader Mounted Spreader; Kelly Ryan 4'x8' Feed Wagon; Farm King Gravity Wagon mounted on gears, 250 bu.; JCT Rotary Cutter, 72", Skid Loader mountings; Hydraulic Post Hole Digger W 10" & 16" auger; JD GM1072R, 3-pt Finish Mower; JCT Hyd. Post Hole Digger, 3-augers; HD Walk Thru Pallet Forks for Skid Loader; TSC 3-pt blade 7'; 3-pt Dirt Bucket; 60" Grap-ple Bucket; 18.4x34 Clamp-oln Duals; 18.4x38 Clamp-on Duals; Skid Loader Single Bale Spear; Skid Loader Pallet Forks; (2) 20.8x42 Tractor Bar Tires, 40% (2) 16.5LX16.2 Tires

LIVESTOCK EQUIP.: Cattle Guard 8'x12'; Creep Feeders on Wheels; 26' Bottomless Guard Rail Feed Bunk; 5-Swing Gates w/hinges, different lengths; 20 Cattle Panels, 6 bar, 20' length; Pile Cattle Panels; Feed Bunks; 6' T Posts; Electric Fencer Posts; 10-21' Free Standing 6 Bar Panels; (20) 6-Bar Continuous Fence panels; Creep Feeder, 2000# on wheels; 30 Big Round Bales Straw, Net Wrap; 35 Big Round Cornstalk Bales, Net Wrap; 60 Big Round Bales Wheat, Net Wrap; 26 Big Round Bales 3rd cutting Alfalfa, Net Wrap; 25 Big

Round Bales Brome Hay.

MISC.: (20) 26' Guard Rails;
3'x6' Work Bench, 5/16 thick; Hedge Posts, Lines & Corners; Snyder Poly Tank, 900 gal.; Crown Poly Tank, 500 gal.; (2) 27' 4" Bin Sweeps, No Motors, 30' 4" Bin Sweep, No Motor, New; JD Riding Lawn Mower; Overhead Sheetrock Panel Lift; 1100 gal. Fuel Tank; Old Maytag Wringer Washer; Oval Stock Tank, approx. 150 gal.; 200 Metal Folding Chairs; 2 Church

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2023 Grass es Grain Holiday Recipe Contest

First Holiday Contest Winner Is Anna Kusmaul, Allen

Winner Anna Kusmaul, Allen: "This is hands-down the best recipe for cinnamon rolls that I have tried vet!"

SPEEDY CINNAMON ROLLS

1 cup milk 1 cup water

1/2 cup vegetable oil

1 1/2 cups sugar, divided 1 teaspoon salt

6 1/2 cups flour

5 teaspoons instant yeast (rapid rise)

1 egg

1/2 cup butter, softened

1 to 2 tablespoons cinnamon

Combine milk, water, oil, 1/2 cup sugar and salt in a microwave-safe bowl; heat 1 to 2 minutes or until lukewarm (120-130 degrees). Mix 3 cups flour and veast in bowl of mixer: add heated liquid. Beat at medium speed for one minute then add egg and beat one minute more. Slowly add remaining 3 1/2 cups of flour or enough that dough isn't sticky. Let rest on floured board for 5 minutes; punch down and rest for another 5 minutes. Roll out dough into rectangle; spread with butter and mixture of the cinnamon and remaining sugar and roll up. Cut into 1-inch thick rolls and lay in greased pan. Let rise 15-20 minutes. Bake at 350 degrees for 15 minutes or until golden. Cool slightly then frost.

2 ounces cream cheese, softened

2-3 tablespoons milk 4 tablespoons butter, softened

1/2 teaspoon vanilla

1 1/2 cups powdered sugar

Beat cream cheese and butter together until creamy. Add remaining ingredients. Spread over rolls while still warm.

Millie Conger, Tecumseh: **MEXICAN CORN** 1/4 cup butter 1 large onion, diced

1/2 green pepper, diced 4-ounce jar pimento 1 Jiffy cornbread mix

can

undrained 1 can creamed corn

whole

corn,

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G&G Annual

Holiday Recipe Contest

Nov. 21 through Dec. 19

In observance of the holiday season.

Grass & Grain will award the weekly winners \$40 in addition to the gift.

BONUS DRAWING Second chance to win! The names of all contestants will

be entered in a drawing from which four names will be chosen. Each of these four contestants will receive \$40 Winners will be announced Dec. 19.

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al look on your dining

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often as you like during this period.

Recipes received NOW through DECEMBER 11 will be entered in the holiday contest. Enter as

* Medicare Supplement

4-ounce can green chiles 2 eggs

1 pint sour cream

1 cup shredded Cheddar cheese

Set oven to 350 degrees. Grease a 9-by-13-inch casserole dish. Melt butter in skillet; add onion, green pepper and pimento. Saute 5 minutes. Combine cornbread mix, both cans of corn, chiles and eggs. Pour into pan. Drop sour cream by spoonfuls over top. Top with cheese. Bake 45 minutes or until firm.

* Long Term Care

* Final Expense

Linda Kepka, Dorrance: PEANUT BUTTER BALLS

1/4 cup butter 1 cup marshmallow creme

1 cup peanut butter

1 cup powdered sugar 2 cups Rice Krispies

12 ounces white almond bark 12 ounces chocolate chips

Mix butter, marshmallow creme, peanut butter, and powdered sugar. Mix in the Rice Krispies. Form into balls and chill until firm. Melt almond bark and chocolate chips in microwave. Dip balls into mixture, put on waxed paper, and chill.

Donna Geritz, Atchison: FRUIT SALAD

1 can pineapple chunks with iuice

1 small box instant vanilla pudding

1 can mandarin oranges,

1 bunch green grapes, halved 2 bananas

1 package fresh strawberries, sliced

Pour pineapple juice) into a large bowl. Add pudding and mix until creamy. Add mandarin oranges, grapes and strawberries. Mix and chill. Slice and add bananas when serving.

Edwards, Kimberly Stillwater, Oklahoma: **CANDIED**

SWEET POTATOES 4 large sweet potatoes 1 stick butter 2 cups brown sugar

1/2 cup pineapple juice 2 1/2 teaspoons cinnamon 1 1/2 teaspoons vanilla Pinch of ground cloves 1/2 cup cranberry sauce

Set oven to 375 degrees. Peel and cut sweet potatoes into 1/2-inch rounds. Place in 2-quart casserole dish. In a saucepan melt butter. Add brown sugar and mix until blended. Stir in pineapple juice, cinnamon, vanilla and cloves. Pour over potatoes. Spread cranberry sauce over top. Cover and bake 40 minutes. Uncover and bake about 20 minutes to caramelize.

Lois Kusmaul, Allen: **CHEESE BUDS**

1/2 pound sharp Cheddar cheese, shredded 1/2 pound butter 2 cups flour, sifted 1/4 teaspoon red pepper

1 egg white, slightly beaten Pecan halves In a mixer blend cheese

and butter. In a bowl combine sifted flour and red pepper. Gradually work flour mixture into creamed mixture with a spoon. Roll out 1/2-inch thick. Cut into 1-inch rounds. Brush tops with egg white; top with pecan halves. Bake on ungreased baking sheet in hot oven (425 degrees) for 10 to 15 minutes. Yield: about 8 dozen.

> Kellee George, Shawnee: CORN CASSEROLE

1 cup heavy cream 8 ounces cream cheese 2 1/2 pounds frozen corn 1/2 cup Parmesan cheese, grated 6 tablespoons butter 1 tablespoon sugar

Salt & pepper to taste Whip cream cheese and cream until smooth. Stir in remaining ingredients. Put in crock-pot and cook on low 4-5 hours. Stir occasionally until smooth and creamy.

Carol Nelson, Topeka: "Great for football games!" OYSTER CRACKER

SNACKS 2 packages oyster crackers 1 package Hidden Valley Salad Dressing mix

1 teaspoon dill weed 1/2 teaspoon garlic salt

1 teaspoon lemon pepper 1 cup lukewarm vegetable oil Mix all dry ingredients. Sprinkle over crackers.

Stir in oil until well mixed. Store in air-tight container.

Shirley Deiser, Ellsworth: BERRY FLUFF

(2) 3-ounce boxes white chocolate pudding mix (drv) 32 ounces plain yogurt 16 ounces whipped topping 1 box frozen berries

Mix yogurt, whipped topping and pudding mix together then add frozen berries. Let set in refrigerator overnight to thaw fruit.

Evie Puckett, Stillwater, Oklahoma: "Great on turkey sandwiches, etc."

CRANBERRY MAYONNAISE

1/2 cup mayonnaise 1/2 cup cranberry sauce 1 teaspoon finely grated lemon zest

Combine ingredients and whisk until creamy.

Margaret Wetter, Norton: ZUCCHINI CHIPS Zuchinni

1 egg **Bread crumbs** Spices, to taste

Slice zucchini with skin on. Coat slices in egg then in breads mixture. crumbs-spices Bake at 425 degrees for 10 to 15 minutes. Serve with yogurt dill dip

Jackie Doud, Topeka: NO ROLL PIE CRUST

1 1/2 cups flour 1/4 teaspoon salt 2 teaspoons sugar 1/2 cup vegetable oil 2 tablespoons milk

Whisk dry ingredients. In center make a well and add milk and oil. Mix until it makes a ball. Place dough into 9-inch pie place and flatten and press for bottom and sides and make edge. Bake at 375 degrees for 10-12 minutes. Fill with cream pie filling or pumpkin, pecan, etc. Can bake and fill with your own filling.

Rose Edwards, Stillwater, Oklahoma:

JELLIED CRANBERRY POMEGRANATE SAUCE 1 pound frozen or fresh

cranberries 1 1/2 cups sugar

1 cup pomegranate juice Juice of 1 orange

2 tablespoons lemon juice

Pinch ground cloves

Combine all ingredients. Bring to a boil and boil about 20 minutes until sauce thickens; longer if berries have not burst. Pour into bowl and serve.



Super Bowl Of Gratitude

By Lou Ann Thomas Shout out to all the peo-

ple who are busy preparing for the Super Bowl of Eating, aka Thanksgiving. As a child I had a bird's eye view of the work my mother put into hosting a family Thanksgiving meal.

As Thanksgiving Day neared my mother became a whirling dervish of activity. There was shopping to do, which required at least two trips to the grocery store. One to get everything on the ginormous list and another to pick up everything forgotten on the first trip. Once everything was securely in house, the cleaning and set up would commence.

With more then 20 people often on the guest list tables were elongated, chairs were brought up from the basement and pulled out of every other room in the house. The actual cooking also began a few days ahead but Mom would rise early morning on Thanksgiving Day to carefully slip the large turkey into the oven.

The star of the show was that turkey cooked to golden brown perfection, with dressing, cranberries, mashed potatoes, corn casserole and green beans as supporting cast. Once we had eaten ourselves into a tryptophan coma - watching football and taking naps, sometimes combined and referred to as "footnaps" followed.

It took days to prepare everything while we were able to fill and clean our plates. sometimes more than once, in less than 20 minutes. And then the clean up would begin, which must have felt bittersweet mixed with relief, knowing the feast was over. I personally experienced the work required for this Super Bowl of Eating because as soon as I had a house large enough to host this iconic meal. I invited my family to Thanksgiving at my house.

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orgold & Diamond, SILVEH, TURQUOISE & COSTUME JEWELRY; Assortment of 14K RINGS & Earrings, Diamond stud earrings 3/4 ct.; (4) 14K bracelets; 2 Gold enamel bead-ed necklaces; selection Sterling necklaces; Great selection of 1807.

But it wasn't the same. Family traditions are difficult to change and where my mother, aunts and grandmother always set a beautiful table with fine China, polished silver and fancy glassware we never drank out of on other days, at my Thanksgiving we ate off paper plates with mismatched everyday silverware and glasses. This was only one of the traditions that were different at my house, and this may be why my family never accepted another of my invitations for Thanksgiving. I choose to believe that they had so much fun on that Thanksgiving they knew another would pale by comparison.

Despite the hard work, stress and missing most of the football games and conversations, I enjoyed being the hostess. It made me feel grown up. In other words worn down, cranky, tired, irritable and short-tempered. This is also why, once all gathered around the heaped full table, I was unable to lead the family in offering a grace of gratitude. Alas, by then I was face down and fast asleep in the mashed potatoes.

The family is all gone now and I miss those big feasts filled with inside jokes, loud conversation and laughter. Now I usually spend the holiday alone. But over the years I've created my own traditions which include a nice hike with my dog Boone and a far less labor-intensive meal than the full deal turkey meal. This year I will also send out lots of extra appreciation and gratitude for all the warm memories my mother worked so hard to create for us around Thanksgivings past.

Then I'll take my footnap and be thankful for every minute of this day and all that went before and all that follow.

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

gently used; ladies gloves, col-lars, hankles; Vintage aprons; 5 ladies hats; 14+ Vintage & Modern quits; selection of men's vintage ties; table cloths,

arghans, etc., etc.; Vintage Jap-anese china set; Vintage silver-plate tea set; large selection of Cut & Etched Glass.

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The "Trip"

Most weeks I feel as though I don't have a lot to report. It feels like every time I turned around these last couple weeks, I was telling myself to make a note in my phone to write about.

We never have gone on an official date night out for our anniversary, nor went on our annual vacation for the year. Matt bought a silage header on the internet that was in Illinois. I thought we could turn this into an overnight trip at least and maybe get supper out at somewhere other than our normal places.

This trip was a "trip" from the beginning. We didn't really plan when we were going to go. Sundays are supposed to be "slower" around our operation and time for me to spend in the house doing all the things that get neglected. The Sunday of the time change, I did my chores, watered the cows and was back in the house really early because I got up at daylight which was an hour earlier. Matt shows up with the pickup and trailer and says let's go around ten in the morning. We packed an overnight bag really quick, fed and watered the cats and dog and chickens enough to get them through a couple days and hit the road.

Matt doesn't drive very often. Anytime we're together, I'm driving. I'm told the destination is just the other side of St. Louis. We hop on I-70 and head east. I casually mentioned here and there about attractions along the road that might be fun to stop at. I'm no mind-reader, but after ten years of being married to this man, I've figured out a couple things about him. He is intent on getting to his header. I acquiesce, thinking we can stop on the way back. I realize that the mission of this trip is to get the head and the seller would have to make special plans if we didn't make it on Sunday because he works in St. Louis on Monday. Matt wanted to get it Sunday while he was home rather than having to make him change his schedule on Monday. I can understand that.

With the aforementioned time change, it got dark really early. Another thing to note one would think since I drive, Matt navigates. But no, that's not the case. He's the worst navigator on the planet! I still can't figure out what is so difficult about typing an address into maps, but he has some serious difficulties (ask how we wound up in downtown Lawrence in the middle of a super-busy event when we were supposed to be clear on the outskirts. Terrible navigator).

We show up to this farm after missing the turn to the farm. To be fair to him on this one, the cell service was kind of sketchy so I can't blame it entirely on him. We load the head, strap it on. It was supposed to come with a pallet of parts, turns out it was one box. But Matt is

very excited about the contents of this one box. He said it was worth the price and trip even without the head. So yay for that I guess.

At this point, it's completelv dark and they're still trying to harvest corn so we're ready to get out of their hair. This is when the dad says. let me run and get my van out of the garage. I want to show you something. It is pitch-black, in the middle of nowhere, complete strangers, and subpar cell service. So what do we do? We hop in the van with the person we've known for all of eight minutes at this point. We proceed to tour four different sheds on three different locations all packed to the brim of restored Oliver tractors. Thirty-plus tractors and some other odds and ends farm equipment. He was so proud. It's what he and his son do together and in their "spare" time.



He loved showing off their hard work and collection. I can appreciate the passion and the pride, but cannot share the enthusiasm in this particular hobby. But we can say we saw a whole bunch of restored tractors that looked very pretty, and survived getting into a stranger's van.

So at this point, we head out before he can show us the collections he has inside his house. There's a fuel station a few miles down the road where we pull off, check the straps, hit the bathrooms. I'm starving by this time since I ate lunch early and it's extra late now with the time change. Matt had assured me at the beginning of this trip he was going to take me out for a nice supper. But we were in the middle of nowhere and I was starving. So we split a Subway sandwich from the gas station and he said we could eat when we got back to civilization or when we stopped for the night. We had both agreed that we wanted to get through the construction we saw on the way there and to the west side of St. Louis so we wouldn't have to deal with rush hour traffic in the

morning. So I start driving and things went well. Until we get to the middle of St. Louis in six lanes of traffic. Even at ten at night, St. Louis is incredibly busy. You guessed it, we blew a tire. So we limp to the side of the road. But there isn't a great place to get off and

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by the time I got off to the side of the road, I thought I'd driven enough on the rim. We'd already changed one tire at a gas station earlier in the day so we put the last spare on. (This is why I'm such a big advocate of having a full-size spare in everything). And two extra tires isn't enough when going on a road trip apparently. We are always prepared with the impact and a good jack, but it was still not fun changing the tire in the dark in busy traffic. But we got it.

We start driving again. By the time we got to the west side of St. Louis, it turned in to one of those things of, we'll just keep driving for a little while longer until we see somewhere to stop. Finally I said I was done driving so we stopped and got fuel and Matt said he would drive for a while. We agreed we would take the same way home that we came. I asked him if he wanted me to turn on my GPS. He told me no, it was just following I 70. At some point, I must have fell

I wake up and we're in Basehor, Kansas. Basehor is not even close to how we went or how we were going home! I asked what we were doing in Basehor! He told me he didn't know, he just kept following 70 and took the last free exit because he didn't want to pay the toll. He said we went by the stadiums and Bass Pro Shop and Cabela's and downtown Kansas City was really pretty with all the red lights since the Chiefs had won that morning. He said there was a couple spots that he made sure the doors were locked because it looked kind of scary. He said I thought about waking you up, but you were sleeping so I didn't.

This is why he doesn't drive! This is also why I question his navigation! He added at least an hour and half to our trip which would have been all well and good if we were going to stop and do something. But by this point, we're almost home, it's the wee hours of the morning and we're both going to be tired tomorrow anyway. We decided our own bed sounded nice so we came on home.

So I've learned my lesson when I request an overnight trip. I need to specify that I want to sleep somewhere besides a moving vehicle, especially one that he is navigating. Who knows where we'll end up. All in all, not the trip I had in my mind when he said he bought a head in Illinois, but I think such is life. Very few things turn out the way that we intend. If I'm being honest, I'm



was thinking it would.

ty time together. And mayof how I end these - grace like that's the answer to so gonna add that. If we would all respond with grace, palot of things in our world. we have to be respectful.

All right enough babbling for now. We worked two groups of fall calves today. It went well, but always a long day. I smell like branding iron smoke and have all sorts of bodi- * 12 to 16 pounds = 3-4 days ly fluids all over me. I'm * 16 to 20 pounds = 4-5 days ready for a shower and supper and to sit down for things, it's harder to implement, but each day gives us a new chance to try so I will keep trying to show grace, patience and love.

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



still a little bitter that we haven't gone on an official date night for our anniversary and that the overnight trip I was banking on being our vacation didn't go as I

But, I also know that Matt has made quite a bit of effort lately to better our marriage. So I keep reminding myself, marriage is not about keeping score. And we had a lot of qualibe that's enough for now. I keep reminding myself and patience. I really feel many things. And love. I'm tience and love to things. I feel like it would change a We don't have to agree, but

You may email Kelsey your comments at kelseypagel13@

Workshop: Preserving the Holidays K-State Research and Extension - Wildcat District and the Independence Community College FabLab are working together to provide a fun, two-day, gift-making workshop - Preserving the Holidays. The first workshop meeting will be held on December 5 from 6-8:30 p.m. at the Independence Community College FabLab West located at 2615 West Main Street, Independence. Participants will have fun making spiced apple rings as well as drying apples and oranges, while learning how to safely preserve food at home. To complete the evening, K-State Research and Extension Mas-

ter Food Volunteer, Janet Rau, will lead participants in making herb butters. The workshop's second session will be held December 7 from 6-8:30 p.m. at the Independence Community College FabLab Main Campus located at 2564 Brookside Drive, Independence. FabLab staff, Laura Schaid, will demonstrate processes in the lab to make holiday gift tags. Wreaths will be made using dried fruits, wooden cutouts, and bows.

During this workshop, each participant will make a 24-inch wreath, a jar of spiced apple rings, and a butter log. Participants will be given the opportunity to purchase a FabLab membership for an additional fee to use FabLab facilities to make additional gift-giving tags and crafting projects.

This class is limited to the 12 registered participants. Register today by calling the Montgomery County Extension Office at 620-331-2390.

For more information about nutrition, food safety or health contact Holly Miner at haminer@ksu.edu or call

Hurry! Thaw That Turkey Safely!

Are you in the mood for turkey this Thanksgiving? This year start thawing that turkey early. There are three ways to thaw your turkey safely: in the refrigerator, in cold water, or in the microwave oven.

In the refrigerator (40 degrees F or below):

Allow approximately 24 hours for every 4 to 5 pounds

- * 4 to 12 pounds = 1-3 days
- * 20 to 24 pounds = 5-6 days

Keep the turkey in its the night. And while it's original wrapper. Place it really easy to type these on a tray or in a pan to catch any juices

In Cold Water:

Allow approximately 30 minutes per pound

- * 4 to 12 pounds = 2-6 hours
- * 12 to 16 pounds = 6-8 hours * 16 to 20 pounds = 8-10 hours * 20 to 24 pounds = 10-12 hours

Wrap your turkey securely, making sure the water is not able to leak through the wrapping. Submerge your wrapped turkey in cold tap water. Change the water every 30 minutes. Cook the turkey immediately after thawing.

In the Microwave Oven: Check your owner's manual for the size turkey that will fit in your microwave oven, the minutes per pound and the power level to use for thawing.

- * Remove all outside wrapping.
- Place on a microwave-safe dish to catch any juices that may leak.

* Cook vour turkev immediately. Do not refreeze or refrigerate your turkey after thawing in the microwave oven.

Remove the giblets from the turkey cavities after thawing. Cook separately.

No matter which of these safe methods vou use to thaw your bird, always cook poultry to an internal temperature of 165 degrees F to reduce the risk of a food borne illness from undercooked meat.

more informa-For tion about cooking tur-key, visit https://www.foodsafetynews.com/2022/11/ usda-advice-clears-turkev-confusion-before-thanksgiving/ to view Food Safety News article, "USDA advice clears Turkey confusion be fore Thanksgiving."

For more information about nutrition, food safety or health, please contact Holly Miner at haminer@ksu edu or call 620-331-2690.

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Scoular's Canola MVP provides farmers with resources to grow canola

called Canola MVP, Scoular is partnering with Kansas and Oklahoma farmers to expand canola production to feed the growing renewable fuels market.

Growing canola can increase overall revenue. with wheat-canola rotations increasing profitability up to 20 percent more than a continuous wheat rotation, according to a Kansas State University study.

Canola MVP, nounced by Scoular recently, provides several key benefits to producers:

Access to Kansas State and Oklahoma State University agronomists who will provide guidance on seed varieties and growing canola.

Connectivity to



Scoular's Goodland facility is one of their local delivery points. Others include Pratt, Wellington and Coolidge. Courtesy photo

Scoular originators and successful canola growers to answer localized production-related questions.

Current local delivery points, including Scoular's Pratt, Wellington, Coolidge and Goodland locations.

Producers seeking more information should: Contact their

local Scoular elevator. Visit scoularview com.

Oklahoma producers can contact Lucas Price at lprice@scoular. com or call (913) 696-9248.

In March, Scoular announced that it was converting a facility in Goodland to a dual oilseed crush plant. The facility is projected to begin operations in fall 2024. Because of its high-oil content,

canola is highly valued in the renewable fuels sector, particularly for use in the growing renewable diesel and sustainable aviation fuel markets. Those markets will grow to over 5 billion gallons by 2025.

'Winter canola is a reliable crop for producers, and Canola MVP will provide them with the resources, revenue potential and reassurance to grow canola," said Ed Prosser, Scoular senior vice pres-

Added Michael Stamm, K-State agronomist: "Fall precipitation gave producers the opportunity to plant winter canola in 2023. K-State is dedicated to supporting these producers with information to help them be successful growing the crop."

gift boxes and of Kansas now selling 202 holiday

Holiday gift boxes are now available to order for the 2023 holiday season from the From the Land of Kansas state trademark program at the Kansas De-

partment of Agriculture. Each gift box contains an assortment of products grown, raised or produced in Kansas, with two size options available: the

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Konza Box and the Ad Astra Box. From the Land of Kansas gift boxes allow for ease of purchase for family, friends or clients and add a personal, customized note for the holiday season.

The Konza Box products: Honey (New Hope Farm and Apiary in Wellsville); Beef Jerky (Pat's Beef Jerky in Liebenthal); Lightly Salted Wheat Snacks (Wheatland Foods in Hays); Hot Chocolate (Sunflower Fundraising Company in Olathe); Kenzee's Everything Sauce (MKC Kitchen LLC in Bazine); Mustard (Grannie's Homemade Mustard in Hillsboro); and a complimentary From the Land of Kansas branded leather

The Ad Astra Box products: Medium Garden in Wichita); Tasty Teriyaki Beef Sticks (Yoder Meats in Yoder); Mild and Sassy Dry Rub (Spice It Up in Bonner Springs); Prairie Ranch Dip Mix (Twisted Pepper in Wichita); Red Wine Chocolate Sauce (from Cocoavino in Olathe); Popcorn (Free Day Popcorn in Belleville); Chocolate Bar (Signet Coffee Roasters in Pittsburg); Lavender Lip Balm (Sweet Streams Lavender Co. in Bucyrus); Beer Bread Mix (Bruces Bullseve Farms in Leon): Sunflower Oil (Wright Enterprises in Bird City); and a complimentary From the Land of Kansas branded

Gift boxes can be purchased online at shop. fromthelandofkansas. com/from-the-land-ofkansas-gift-box and can be shipped anywhere in the United States. For orders larger than ten, call 785-564-6759 or email fromthelandofkansas@ ks.gov to ensure holiday delivery. December 9 is the last day to order for guaranteed delivery before Christmas.

"Our holiday gift boxes are the perfect gift for anyone who loves Kansas. It's a way to give back to Kansas ag businesses while making gift shopping simple and personalized," said Sammy Gleason, From the Land of Kansas marketing manager. "We appreciate all our customers who come back each year to support our amazing producers and look forward to new customers ordering for the first time."

The From the Land of Kansas trademark program at KDA is designed to promote and celebrate agricultural experiences and products grown, raised or produced in Kansas. For more information about the holiday gift boxes or about the trademark program, visit from the land of kans as. comor contact the From the Land of Kansas marketing team at 785-564-6759.

Governor Kelly creates water subcabinet to search for collaborative solutions proach to water issues." quality issues, strengthen-

Governor Laura Kelly announced recently that she has formed the Kansas Water Subcabinet to formalize cross-agency coordination, collaboration. and planning on the state's water quantity and quality priorities. Creating the subcabinet provides an efficient and practical internal forum for experts across several agencies to discuss water-related data and policy and strengthen state government initiatives on emerging and long-term water issues.

"My administration has been laser-focused on finding and implementing sustainable solutions to address our state's water concerns," Kelly said. "This subcabinet ensures we are all pulling in the same direction in those efforts and building an all-of-government

The Kansas Water Subcabinet will be managed

by the Governor's Special Advisor on Water, and its permanent members will include representatives from the Kansas Water Office, the Kansas Department of Agriculture, the Kansas Department of Commerce, the Kansas Department of Health and Environment, and the Kansas Department of Wildlife and Parks.

"Our state's agricultural and rural economy is fueled by water, which is why our stakeholders often point to long-term water management as one of the state's most critical challenges," Kansas Agriculture Secretary Mike Beam said. "I'm looking forward to enhancing the collaboration among state officials with an active Water Subcabinet."

The group's tasks could include developing cross-agency goals and strategies on Kansas' longterm water quantity and

ing service delivery of the state's water grants and programs, and responding to upcoming and shortterm water-related issues while strategizing preventative measures. The subcabinet will also prioritize securing federal or private funding opportunities across agencies to leverage the state's historic recent investments in the Kansas Water Plan.

"Our state's water challenges are daunting and complex, making it essential that we marshal the expertise and advice of all our water agencies," Connie Owen, director of the Kansas Water Office, said. "The Water Subcabinet can provide the critical experience, knowledge, data, and context necessary to help the state ensure a safe and secure water supply for Kansans."

The subcabinet will meet regularly and will provide monthly updates to the governor.



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Explosive Evidence

My wife is a crafty woman. Not in the "crafty like a fox" sense, although she is pretty foxy. But more in the 'creative' sense. You all know one. She's always working on a project and some of those projects, willing or grudgingly, involve yours truly. Particularly if that project consists of building or remodeling something. I've come home to find a room completely disemboweled and new paint going up, carpet ripped out and lying in the yard, or perhaps a full-sized ten-footlong quiting rack set up in my 12-foot-wide living

room. Yes, life is never dull with this gal.

The last twenty-five or thirty years she has been researching and experimenting with weeds and shrubs (she calls them "herbs") and learning how to make tinctures and other herbal medicinal wonders, remedies and salves. Of course, you know who gets to be the 'guinea pig.' Yes, I have a full-blown apothecary in my basement. I've actually been known to seek out and use a few of these on a voluntary basis, such as elderberry, mullein, or willow bark tinctures when

lief, or instead of popping OTC pharmaceuticals. Several years ago she began making kombucha tea, a vinegary fermented tea, which I can't stand. But she drinks a lot of it, and therefore is constantly brewing several gallons at

a time.

needing some allergy re-

Then she got into kiefer, which most folks may know that as a dairy-based fermented drink. My babe used fruit juice instead of milk, and I must say the cranberry-based stuff was quite tasty, with a true champagne-like carbonation. It tended to put off quite a bit more 'gas' than the kombucha does. Thus, my references to kiefer water as in the past tense.

It was a beautiful evening as we left the house and headed for my son's home for dinner. Mvdaughter-in-law is a fantastic cook, and her Asian heritage has facilitated her ability to make the best Pho on the planet. I mean, literally, she has spoiled us and ruined us at the same time, because we cannot go to any Asian restaurant anymore without comparing it to Rita's amazing dishes. So you can be assured, when that invitation comes for dinner at Rita's, we gone!

As it turned out, this was quite fortuitous, and had we been at home, someone would probably have ended up in the hos-

You see, the kombucha and the keifer, all fifteen gallons of it, had been sitting on the top of the refrigerator where it was constantly warm; a positive environmental factor to facilitate proper fermentation. This had been a proven process for several months with no problems at all. The only thing different this time was D had saved back some smaller bottles with the rubber-sealed stoppers attached by the wire latch. She had used a few of on this particular batch of ished the massive initial keifer water, and without cleanup making severthinking, pinned the latchal trips to the dumpster, D took inventory. Every Well, the conditions giant jar, every bottle, were just perfect for propevery jug had been totally decimated. The explosion er fermentation that evening, and while we were obviously was due to the filling our bellies with lack of ventilation in the beef, rice noodles, cilansmall rubber sealed bottro, jalapenos and other tles, and initiated a chain goodies, and that scalding reaction, which, from the beef stock that makes it all looks of things, could very blend so well, the pressure well have been deadly had someone been present was building in said ex-

> Next morning the sunrise revealed the cleanup was incomplete. As the rays swept through our large picture window and across the kitchen floor it illuminated hundreds of tiny glass specks that sparkled like little diamond chips under a jeweler's showroom lights. Even now, two years later, we will still find tiny little crystals tucked back be-

Page 7

room! As we carefully fin-

So, while I still have to tolerate the kombucha process, I no longer get to enjoy my daily dose of a double shot of bubbly smooth cranberry keifer!

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

perimental glassware. anywhere in the room! We returned home fully satisfied from our feast and visit with family, opened the door and discovered the entire kitchen was covered in wet sticky liquid. and the place smelled like a brewery. As we stood there taking it all in, we discovered shards of glass sticking in the walls, ceiling, and large chunks of it had knocked the clock off the wall and dented the stainless steel trash recephind or atop cupboards! tacle at the opposite end

Grass & Grain, November 21, 2023

them to hold the overage

es down tight.

As we began the cleanup with the shop vac, mops, rags, broom and scooping up the glass with a dustpan, we were amazed by the force that had actually embedded glass in the sheet rock across the

of the room, with pieces of

glass lying in every room

adjacent to the kitchen!



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Kansas youth selected to attend National 4-H Congress

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

Twenty-four Kansas 4-H youth have been selected to represent the state during the National 4-H Congress in Atlanta, set for the Thanksgiving weekend.

Amy Sollock, a 4-H youth development specialist in southwest Kansas, said the annual event "offers an opportunity to grow as an individual, as well as a chance to learn about 4-H from their peers across the nation.

More than 800 youth from across the country will participate in National 4-H Congress, which is in its 101st year. Sollock said Kansas' delegates include state 4-H project award winners, as well as those selected for the annual Key Award or Centennial Award.

The Kansas contingent, in alphabetical order by county, includes:

Allen County (Southwind District) - Kvser Nemecek.

Butler County - Kylee Barlett and Trena Garcia. Cloud County (River Valley District) - Aubrey Stahlman.

Coffey County - McKenzie Krueger.

Crawford County (Wildcat District) - Johanna Walker.

Finney County (West Plains District) - Baylee Hutchinson. Harvey County - Abby

Banta. Johnson County - Ryan

Brethour. Leavenworth County -

Gavin Shupe. Lyon County - Ava

Karcher. Marshall County Dustin Denton.

McPherson County - Joseph Westerman.

Republic County (River Valley District) - Clayton Carlgren and Zachary Piroutek.

Saline County (Central Kansas District) - Brynna Anderson and Reygan Plains District) - Kate a New York Times best Rogers.

Sedgwick County Carly Collins and Christopher Mork.

Shawnee County - Meredith Burgess.

Stafford County (21 Central District) - Ian Dunn.

Stevens County (Wild West District) - Channing Dillinger.

Wallace County (Sunflower District) - Brennan Aldridge

"One of the favorite experiences for many youth is the community service day, during which delegates engage in a number of service projects in and around Atlanta," said Sollock, adding that the National 4-H Congress provides a "safe environment for teens to socialize, demonstrate leadership and practice civic engagement," key principles of the 4-H experience.

The event, which runs Nov. 24-28. includes tours selling author, a motivational speaker, the CEO and president of the Houston Livestock Show and Rodeo, and the associate director for programs at the National Institute of Food and Agriculture.

"I hope these youth try new things, meet new people, make new friends and have a lot of laughs along the way," Sollock said. "These are the kinds of memories that last a lifetime."

More information about opportunities available through Kansas 4-H is available online, and at local Extension offices in Kansas.

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FARM TOYS (All 1/16): Ertl: 7230 Case (25th Anniversary) 1486 Case ÌH (Prestige); 4230 JD (Toy Farmer-1998); 1086 IH (Precision-6); 886 IH (Toy Farmer 2018); MXU125 Case IH (Collector Edition); 986 IH (Prestige); 6388 IH; 7488 IH; JD Plow; JD Planter; JD3020 stack glued); *Others:* Danbury Mint 730 JD (missing rear wheel); MBI MTX200 McCor mick (plastic); SpecCast 504 Farmall w/cultivator.

COLLECTIBLES, PRIMITIVES LOTS of cast iron items (Griswold, Wagner & others); LPs vintage radio; 70th Anniversa ry Craftsman tool kit; K-State lit wall poster; Nascar cars; signed "Wizard of Oz" photo; 1922 Montgomery Ward catalog; Keen Kutter catalog; crock bowl; vintage cabinet; gran-iteware; 5, 6 & 10 gal crocks; vintage Westinghouse roaster; scythe; cast iron kettles; hand pump; various iron wheels; cast iron bell; saddles; goat

cart; milk can; tobacco pipe.

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AMMUNITION, RELOADING SUPPLIES & BRASS (matchcostume jewelry; sm. LP player; rollator; fishing poles & tackle; *LOTS of other items!* es gun calibers in sale).







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Some emails are more interesting than others

When I saw PBS in the sender's address, my radar went bing, bing and I thought, "Fundraiser?" but my second thought was, "This could be something!!!"

It was.

Ashar Merchant is a production assistant at PBS NewsHour and Washington Week. His team asked him to reach out to me about being interviewed during Native American Heritage Month about Vice President Charles Curtis. So Azhar and I had a little get-acquainted Skype and scheduled an interview with host John Yang (I have to add, Azhar is such an impressive young man. Whenever you get discouraged about the future of society, someone like Azhar comes along to restore your faith).

My friend Ken Bellmard, an enrolled member of the Kaw Nation and the governmental affairs liaison for the tribe, was also interviewed. We recorded last Sunday and the segment will air on Thanksgiving weekend. Watch our Around Kansas FB page and I'll share the schedule when I know. Once it airs, there will be a YouTube link on PBS's site and we'll share that as well.

I'm a huge fan of John Yang so it was really an honor to be interviewed with his credentials and sharing it with Ken was a bonus. Both gentlemen are so well-spoken, so

I have also gotten some very welcome emails from you readers! As I work on the biography of one of Kansas's most accomplished sons, many of you have reached out to share letters or stories, sources that I could not have known about or discovered.

Honestly, the deadline on this book is hanging over my head like a baby grand piano swinging on a piece of twine. All your help is so appreciated!

Keep the cards, letters, and emails coming!

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



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Contact: Toby Bruna, Land Specialist, 785.713.9325 www.MidwestLandandHome.com Liberty Thompson and Baylee Wulfkuhle receive 2023-2024 David and Susan Barton Cooperative Leadership Scholarships

Liberty Thompson of Elkton, South Dakota, a senior in agricultural economics and global food systems leadership, and Baylee Wulfkuhle of Lawrence, a senior in agricultural economics and global food systems leadership, have been awarded the David and Susan Barton Cooperative Leadership Scholarship through the Arthur Capper Cooperative Center and the Department of Agricultural **Economics at Kansas State** University.

Liberty

Thompson

serves as a K-State College of Ag Ambassador and has been part of the leadership team for the Mortar Board Senior Honor Society. She was selected to the KS Collegiate Corn Academy and is a member of the K-State Agricultural Economics/Agribusiness Club. Liberty worked part time for Farm Credit Financial Services while maintaining a high academic standard in her classes. She completed internships with CoBank and Frontier Farm Credit and will begin working with the Bank of Tescott after graduating in December 2023. Liberty and the Thompson family are affiliated with the following cooperatives: AgFirst Farmers Cooperative, Chandler Co-op, CHS Brandon, Dakotaland Federal Credit Union. Farmer's Co-op Elevator Company, GENEX, ITC, River's Edge Cooperative, Sinai Co-op Elevator Co.. Sioux Valley Energy and Thrivent Credit Union.

Baylee Wulfkuhle grew up on a fourth-generation farming and ranching operation. Her father and grandfather both served as directors on cooperative boards so she has a strong connection to the value of cooperatives. Baylee serves on the K-State College of Agriculture Student Council and is a KSU Food Security Scholar, a Student Fellow for the Center for Risk Management Education and Research, a K-State College of Ag Ambassador and a member of the K-State Agricultural Economics/ Agribusiness Club. She is also a member of and has held leadership positions



Liberty Thompson and Baylee Wulfkuhle, center, were recently awarded the David and Susan Barton Cooperative Leadership Scholarships.

for the Kansas and National Junior Angus Associations. Baylee volunteers for several community organizations, works for K-State Athletics and served as a teaching assistant for the K-State Department of Agricultural Economics while excelling academically. She completed internships with Frontier Farm Credit and Landmark National Bank and upon graduation in December 2023, she plans to pursue graduate school or a career in ag lending. The Wulfkuhle family is affiliated with the following cooperatives: Free State Electric Cooperative, Frontier Farm Credit and KEPCO.

The David and Susan Barton Cooperative Leadership Scholarship has awarded over \$151,597 in scholarships since its establishment in 2014. David and Susan Barton came to Kansas State University in 1976 and have been contributing to cooperative education for many years. They are now encouraging the next generation to develop into strong educated leaders.

"The purpose of the David and Susan Barton Cooperative Leadership Scholarship is to encourage the development of leaders in the agribusiness community," states Professor Brian Briggeman, director of the Arthur Capper Cooperative Center. "It's also to provide significant financial assistance to eligible students enrolled in educational programs emphasiz-

To be eligible for the David and Susan Barton Cooperative Leadership Scholarship, a student must be either a junior or senior in K-State's College of Agriculture at the time the scholarship is received and be pursuing a degree in Agribusiness or Agricultural Economics. The recipient must also have strong academic performance and be affiliated as a member or as a child or dependent of a member or employee of a company operating on a cooperative basis in the United States (including agricultural, farm credit, credit union, rural electric or rural telephone cooperatives). Continuing K-State students are encouraged to fill out the K-State scholarship application to be included in the university scholarship process for the 2024-2025 academic year.

The David and Susan Barton Cooperative Leadership Scholarship was established by donations

ers as a thank you to the Bartons for their years of service to cooperatives. Family and friends added to the fund upon David's retirement from the university. David and Susan Barton matched more than twice the amount of each contribution made to the fund to further benefit outstanding students at Kansas State University. "Additional contributions by those who want to honor David and Susan Barton and support the purposes of the scholarship are welcome," Dr. Briggeman said. They should be made payable to "KSU Foundation/Barton" and sent to the Arthur Capper Cooperative Center, Kansas State University, Department of Agricultural Economics, 342 Waters Hall, Manhattan, KS 66506.

About the Arthur Capper Cooperative Center

The Arthur Capper Cooperative Center provides research-based information, education and assistance to people with and interested in cooperative businesses, including cooperative members, directors, managers and employees. The Center also works with students and faculty at educational institutions, the general public and public officials as well as owners, directors, managers and employees of agribusinesses Further information can be obtained about this scholarship or about establishing additional scholarships by emailing Brian Briggeman at bbrigg@ksu.edu or visiting the Arthur Capper Cooperative Center website at http://accc.k-state.edu/.

Anhydrous ammonia fall application nears

By Greg McClure, Riley County Extension agriculture and natural

resources agent
The soil temperature is getting close to being low enough for fall application of anhydrous ammonia. The soil temperature at a four-inch depth was still 62 degrees Fahrenheit three weeks ago and had dropped to 55 degrees earlier last week. Our target for applying anhydrous ammonia in the fall is 50 degrees. Eahrenheit or

lower.

The reason we want cool soil when fall applying anhydrous is to minimize nitrification losses. Anhydrous ammonia (NH3) will rapidly convert to ammonium (NH4+) when it comes in contact with moisture in the soil. In the ammonium form nitrogen does not readily move in most soils (sand would be the exception) so we want our nitrogen to remain in the ammonium form through the winter which it will do when the soil temperature is at freezing or lower.

Conversion from ammonium to nitrate-N (NO3-) – the form in which losses nitrification losses happen – occurs when soil temperatures are above freezing, but the conversion process is very slow at 50 degrees and lower. Thus, the recommendation to wait for the soil to cool to 50 degrees before applying anhydrous ammonia.

By delaying application of anhydrous ammonia until cold weather, most of the applied N can enter the winter as ammonium, and over-winter losses of applied N will be minimal.



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Why 50 degrees soil temperature for planting less possibility of being more loss prone state will

lost through the winter to

one with a greater possi-

bility doesn't cease at 50

degrees (it does slow sig-

nificantly at 40 degrees)

- it just slows. In fact,

any time soil tempera-

tures are above freezing,

conversion can occur (if

wheat is growing, conver-

sion is occurring), with

nitrogen transitioning to

Meadowlark District Extension agent, crops and soils

There are lots of 'rules' we operate by during the corn-growing season. Soil temperatures should be 50 degrees (and climbing) when we plant. Optimum fungicide application window is between tassel and early reproductive stages, and this time of year, fall anhydrous applications should be

delayed until soil temperatures cool below 50 degrees. They're all good 'rules' and all have reasoning behind them, but have you ever wondered what that reason is?

Take the soil temperature recommendation for fall anhydrous applications. There's nothing necessarily magical about 50 degrees (at a four-inch depth). The conversion process of nitrogen from a form with

a state more susceptible

for 50 degrees? One reason is the ability to spread out our application workload by applying a fertilizer product with a reduced loss potential under appropriate temperature and moisture conditions. If our typical fall weather pattern results in decent moisture plus consistent cooling of soil temperatures to 50 degrees with a continued downward trend through Why then do we shoot the fall, N conversion to a

be held to a minimum, reducing the potential for losses through the winter. To monitor soil temperatures in-field, use a soil thermometer to check temperatures at a fourinch depth in mid-late morning. For continuously measured soil temperatures (including temperature trends), check out the Kansas Mesonet Soil Temperature page at https://mesonet.k-state. edu/agriculture/soiltemp/

If Mother Nature doesn't cooperate and soil temperatures remain elevated (or increase) following application, loss potential increases as well. When this occurs,

more and more 'stable' N is converted to a form of nitrogen at greater risk for loss, potentially leading to economic and environmental concerns.

If you're making a decision on whether to apply or wait, there are a number of great agronomic explanations – and recommendations - to help you minimize nitrogen losses. One of the best is from KSU Nutrient Management Specialist Dr. Dorivar Ruiz-Diaz in the October 26th edition of the KSU Agronomy eUpdate online at: https://eupdate.agronomy.ksu.edu/ or upon request at any District Office.

Husker team aiming to establish first center for space agriculture

much of the early research into space exploration would focus on escaping orbit, or that the source of that escape, the rocket, would occupy so many minds with the cosmic ambition to match their intellect.

But that ambition fueled the race to space at least as much as liquid hydrogen did. And so, as the University of Nebraska-Lincoln's Yufeng Ge and Santosh Pitla witnessed the astronomical advances of their own era — reusable rockets landing back on Earth, a drone taking flight on Mars — the Husker engineers began thinking big about an aspect of space travel just obvious enough to often escape attention.

"We'll be on Mars and the moon, we'll have settlements — and people got to eat," said Pitla, associate professor of biological systems engineering.

Before long, the duo was applying for and earning a two-year Grand Challenges grant from Nebraska's Office of Research and Economic Development. Ge and Pitla's long-term

as it gets: finding ways to sustainably grow food on space stations, the moon, Mars and other celestial bodies that might eventually sustain legions of human ones. To do it, they formed the Consortium of Space, Policy, Agriculture, Climate and Extreme Environment — SPACE2, for

The consortium's shortterm aim doesn't exactly lean modest, either. It may not rank with the near-vacuum of space, but Ge and Pitla would come to learn of a sizable void: No U.S. university features a center dedicated specifically to the study of space agriculture. The researchers want Nebraska to house the first.

"If NASA or the big space companies SpaceX, Virgin Galactic, Blue Origin — want to go out and work with a university, who would that be?" Pitla said. "We have been doing ag research for more than 100 years, and we're an ag state.

"Why reinvent the wheel somewhere else when we already have all this experience?

It helps, Ge said, that Nebraska U "sits very, very of multidisciplinary expertise and force-multiplier collaboration that the rigors and relentlessness of space will demand. The university-housed Daugherty Water for Food Global Institute, the recent recipient of a \$19 million grant to pursue sustainable irrigation and mechanization in developing countries, has long endeavored to grow more food with less water. Ge's own research into ag-relevant sensors is likewise informing more precise, efficient application of fertilizer and water, both of which will prove even more precious in space than on Earth. Pitla has spearheaded the engineering and testing of Flex-Ro. an autonomous planter that can already seed a five-acre, untilled

field on its own. "Before humans go to Mars, we'll want some essential resources there and for that, we will send robots," Pitla said. "Think about a greenhouse on a spaceship that's landed on Mars, and it's already started growing food. You need a fully automated, robotic farmer that is doing those things even before

The Department of Agronomy's work in plant genetics, meanwhile, gets applied at the Greenhouse Innovation Center, where a combination of infrared cameras and AI-powered imaging analysis has accelerated the breeding of crop varieties that endure amid temperature tremes and drought.

'The only difference between that and what we'll be doing in space is, well, nothing," said David Jones, a member of the team and professor of biological systems engineering. "Space is just another one of those extreme environments."

In assembling their consortium, the engineers were careful not to overlook the value of related but less obvious expertise. They invited multiple colleagues from the Nebraska College of Law. which has emerged as an international leader in the thorny, unprecedented realm of legality and ownership in space. And they folded in faculty from the Johnny Carson Center for Emerging Media Arts, whose ability to conceptualize the future has already given the engineers and scientists plenty to chew on.

"If it's not going to work here," Jones said of a space ag center, "it's not going to work."

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The Propane Education and Research Council is currently offering exclusive savings of up to \$5,000 off propane-powered irrigation engines, power generators, flame weed control systems, and agriculture water and building heating systems. PERC recommends that producers interested in taking advantage of these savings apply online now to ensure qualification for the 2023 program.

The Propane Farm Incentive Program is a nationwide research and demonstration initiative that offers financial incentives toward the purchase of new propane equipment in exchange for providing operation and propane usage feedback.

"The Propane Farm Incentive Program offers an exciting opportunity for PERC to directly help producers interested in upgrading farm equipment, making the transition even more cost-effective and beneficial," said Michael Newland, director of agriculture business development. "While we can't guarantee funds available year-toyear, we are currently offering up to \$5,000 in savings through the end of the year—so we're hoping to reach as many producers interested in taking advantage of the offer

To make the application process easier than ever, PERC has created a new online platform with all materials necessary for program qualification and participation. To apply, producers can simply visit propane.com/farmincentive and complete the stepby-step process to receive incentives toward qualifying equipment.

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Agricultural tractors market to hit \$97.8 billion by 2031: report by Allied Market Reprecision farming due to all increase in agriculture the scope of the segment. The Asia-Pacific region

search published a report titled, "Agricultural Tractors Market by Power Output (Less than 30 HP, 30 to 50 HP, 51 to 100 HP, more than 100HP). by Drive Type (2 Wheel Drive, 4 Wheel Drive), by Propulsion (ICE, Electric, and Hybrid), by Operation (Manual, Autonomous): Global Opportunity Analysis and Industry Forecast, 2021-2031". As per the report, the global agricultural tractors market is expected to reach \$97.8 billion by 2031. The market garnered a revenue of \$59.1 billion in 2021 and is forecasted to grow at CAGR of 5.6% during the 2022-2031 period.

Drivers, Restraints and **Opportunities**

The growth of the global agricultural tractors market can be attributed to the rise in adoption of increasing governmental support for the agriculture sector. Moreover, the extensive demand for fuel-efficient tractors is projected to push the market ahead. Additionally, technological innovations in tractor technology are expected to open up new avenues in the market.

The 30 to 50 HP segment to be highly dominant by 2031

By power output, the 30 to 50 HP segment accounted for the largest market share in 2021 with around one-third of the total share. Growing use of agricultural tractors in countries like India, China, U.S., etc., is estimated to propel the market ahead. However, the more than 100 HP is predicted to have the highest CAGR of 6.6% during the analysis timeframe. Overal related activities such as sowing, planting, and crop cultivation in several countries might result in the expansion of the market.

The 2 Wheel Drive segment to grow rapidly by

By drive type, the 2-wheel drive segment accounted for the largest market share in 2021 with around 90% of the total share. Various advantages of 2-wheel drive tractors including cost effectiveness and convenient application are expected to play a huge role in the growth of the market. However, the 4-wheel segment is anticipated to showcase the fastest CAGR of 7.4% during the analysis timeframe. The advantages of 4-wheel drive such as versatility and high productivity might help to widen Interested to Procure

the Research Report? Inquire Before Buying https://www.alliedmarketresearch.com/purchase-enquiry/11876

The manual segment to flourish immensely

By operation, the manual segment generated the highest revenue in 2021 with around 90% of the total share. Growing use of manual transmission tractors for PTO-intensive work is estimated to help the segment thrive in the coming period. However, the autonomous segment is projected to have the fastest CAGR of 26.2% during the analysis timeframe. The growing introduction of automation in agriculture for higher efficiency and accuracy is projected to create new opportunities in the marto be the most profitable by 2031

By region, the Asia-Pacific agricultural tractors market generated the highest market revenue in 2021 with around half of the total revenue. Moreover, the same region is anticipated to be the fastest growing with a CAGR of 6.3% in the analysis period. Major economic development in different countries of this region will help the market to prosper in this region in the coming period.

Major Companies of the Market

Agco Tracto (Fendt)

Gromax **Equipment Limited** SOLECTRAC

Captain Tractors **Private Limited**

mer after the damage occurred."

Domenghini and her colleagues in K-State's Depart-

ment of Horticulture and Natural Resources produce

a weekly Horticulture Newsletter with tips for main-

taining home landscapes and gardens. The newsletter

is available to view online or can be delivered by email

vard-related questions to Domenghini at cdom@ksu.edu.

or contact your local K-State Research and Extension

Interested persons can also send their garden and

John Deere Trac-

each week.

Sonalika Trac-

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Escorts Tractors Mahindra Trac-

Swaraj Tractors

Force Tractors Monarch Tractor

Electric Tractor JCB

Holland New Tractors

SDF

tors

tors

The report also provides a detailed study of the various players of the industry and also offers insights into the different types of strategic alliances such as partnerships, mergers, and acquisitions that these companies have entered into to increase their presence in the mar-

Why are there still leaves on trees? The answer is marcescence

needs to be done now except prevent further stress,'

by keeping the soil moist around trees entering winter.

tissue, it is impossible to know what the end result will

be, but if only a small portion of the tissue was killed the

tree may still recover," she said. "Trees with excessive

internal damage will typically show symptoms the sum-

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"If you are seeing trees with marcescence, nothing

Domenghini recommends further preventing stress

"Without knowing the extent of the damage to the tree

By Maddy Rohr, K-State Research and Extension news service

After a rapid drop in temperature from warm fall weather in Kansas, trees are keeping their leaves longer. Kansas State University horticulture expert Cynthia Domenghini said this is called marcescence.

'Marcescence is defined by leaves that wither but do not detach from the plant," Domenghini said. "When the temperature drops quickly, as we have experienced this fall, many trees didn't have time to develop an abscission layer at the base of each leaf. The abscission layer is what separates the leaf from the tree and prompts it to fall to the ground.'

Marcescence doesn't harm the tree but may indicate the tree has some damage. The temperature change can affect the tissues beneath the bark, causing the tree to not receive adequate food necessary for survival.

The xvlem — the structure in the tree that carries water from the soil throughout the plant — is not damaged and will help the tree continue to maintain life,

The unobvious important gestation date By Wendie Powell, Wildcat **Extension District**

Domenghini adds.

she said.

livestock production agent The third trimester of pregnancy is a crucial stage; the fetus is growing rapidly and it's the last chance to improve body condition prior to birthing. The start of this critical stage is easily missed; the growth of the fetus

isn't totally obvious, and

livestock are putting on

their winter coat this time

of year, making body condition deceptive.

The third trimester start date is based on the date the female was exposed to the herd sire. So, if a bull was put in with cows on May 1, the critical date could be November 6. depending on actual conception, based on the 283-day gestation period of cattle. Sheep and goats have a 150-day gestation period, and swine gestate

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for around 114 days (about three and a half months). The critical date can be nailed down further by pregnancy checking, ei-

sound. Fetal growth is exponential during the third trimester, with blood flow

ther by palpation or ultra-

increasing three to four times from mid to late gestation. In the final third of pregnancy, 75% of the fetal growth occurs, which is 60 pounds of an 80-pound birth weight. The total weight of a bovine pregnancy with fetus, fluids and membranes at calving ranges from 100-150

pounds total! Early in pregnancy, the placenta, organs and limbs develop. Muscle fiber growth starts early as well, the number of fibers is largely determined by the seventh month of pregnancy in cattle. The size of muscle fibers and the formation of fat cells that produce marbling occur later in gestation. Nutrient restriction in late pregnancy can reduce the size of muscle fibers and impair formation of fat cells that produce marbling. While there has been no impact shown on birthing difficulty with increased muscle fiber size, these newborns do weigh more and will continue to weigh heavier throughout their life.

As little as one pound of a 28% protein supplement per day during late gestation for cows grazing native range has been shown to be beneficial to calf weights and heifer performance. In un-supplemented cows, pregnancy rates were not reduced due to nutrition restriction.

Not only is dam nutrition important for fetal development, but also for nurturing the newborn upon its arrival into the world. Research shows that mothers in good body condition have considerably higher valued colostrum. And the energy consumed by the mother will affect the vigor of the newborn.

In goat herds, pregnancy toxemia is a condition to be avoided. This occurs when the pregnant doe uses more nutrients than she consumes, drawing heavily on body reserves. In general, energy requirements for a doe carrying a single kid increases by 50% over her maintenance requirements, while twins increase her needs 75%

While feed costs are high, strategic supplementation will pay off in pounds of weaned livestock. Pay particular attention to first time mothers that are growing themselves in addition to the

To learn more about building rations for your herd, contact Wendie Powell, Livestock Production Agent, (620) 784-5337, wendiepowell@ksu.edu.

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TRACT 1: SE/4 of Section 8-15-4 less 7.45 acre home site Dickinson County. Location: 1100 Ave and Sage Road 64.75 acres +/- cropland. 85.4 acres +/- pasture and hay mead-ow w/supplemental well. 2022 Taxes: \$1350 estimate on 150.15 taxable acres. 80.3 base acres in ARC County. Wheat base/yield 59.3/32; Oats base/yield 10/40; Grain Sorghum base/yield 11/54 **Possession:** Pasture and hay meadow at closing, crop acres after 2024 wheat harvest. Wind Lease: Currently in the Development Term of wind lease and paying \$5/acre annually.

TRACT 2: 2051 1100 Avenue, Hope, Kansas - 7.45 acres +/-Location: ½ mile East of Rain Road on 1100 Ave. Home built in 1967, 1428 square feet above grade, 2 bedrooms 1 1/2 bathrooms, full basement, attached single car garage, new septic system, 40' X 60' machine shed and 34' X 40' barn. 2022

Taxes: \$1665.24 estimate including \$18/year landfill tax. Possession: At Closing. Wind Lease: Currently in the Development Term of a wind lease and paying \$5/acre annually OPEN HOUSE: SUNDAY, NOVEMBER 19 FROM 2-4 PM

TRACT 3: NE/4 Section 17-15-4, Dickinson County

Location: 1100 Ave and Sage Road 44.44 acres +/- cropland. 110.16 acres +/- pasture and old farm-

stead with well. 2022 Taxes: \$1,251.28 on 154.6 taxable acres 42.21 base acres in ARC County. Wheat base/yield 31.91/46 Grain Sorghum 10.3/67. 50' X 100' machine shed with dirt floor Possession of pasture at closing, building March 1, 2024 and cropland after 2024 wheat harvest. Wind Lease: Currently in the Development Term of wind lease and paying \$5/acre annually.

TRACT 4: NE/4 Section 7-15-4, Dickinson County

Location: 1200 Avenue and Rain Road 61.69 acres +/- cropland. 94.11 acres +/- pasture and 2 acres farmstead. 2022 Taxes: \$1,403.68 on 157.8 taxable acres in cluding \$18/year landfill tax. 63.29 base acres in ARC County Wheat base/yield 47.84/46; Grain Sorghum base/yield 15.45/67 Well at farmstead for supplemental water.

Possession of pasture and cropland at closing and buildings or or before March 1, 2024. Wind Lease: Currently in the Develop ment Term of wind lease and paying \$5/acre annually.

TRACT 5: S/2S/2NW/4 & N/2SW/4 & S/2S/2NE/4 21-14-4. Dickinson County. Location: Sage Road South of 1600 Ave 91.16 acres +/- cropland. 66.14 acres +/- hay meadow and trees. 2022 Taxes: \$1648.86 on 157.3 taxable acres. 104.36 base acres in ARC County. Wheat base/yield 71.26/32; Oats base/yield 15.5/40; Grain Sorghum base/yield 17.6/54. Possession at closing.

Cropland planted to wheat: Any cropland planted to wheat, the Buyer will receive a landlord's 1/3 share of the wheat crop and be responsible for the landlord"s 1/3 share of fertilizer and chemical expenses. Water & Mineral Interests: All Water and Minera Interests owned by the Seller will pass with the land to the Buyer Auction Conducted by: Coldwell Banker APW REALTORS®

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14 acres +/-of tillable 48 acres +/- of pasture Taxes are \$287.40 on 63.3 taxable acres.

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LAND AUCTION

Thursday, November 30 2023 @ 7:00pm Kropf Center 301 S Main St., Hesston, KS 67062

Tract 1: The East 36+/- Acres of the S/2 of the SW/4 of 16-22-1, Hesston, KS

36+/- acres tillable, potential development/build site Located on W Hickory St, 1/2 mile west of Hesston, KS

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Tract 2: 12535 NW 48th St., Halstead, KS 15 Ac+/- NW4NW4 of 34-22-2, Harvey County, KS

15 Acres +/- Venue Site with Rustic Cabin, Ponds, Timber Located on 48th St, 1/2 mile west of Halstead Rd. Access

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

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Online Only Food Service **Equipment Auction (Bid**ding will soft close Nov. 28. 6 PM) — Commercial rotisserie smokers, electric slicers, stainless steel tables, basket fryers, ovens, shelving, coolers, mixer, stock pots, sheet pans, chairs, TVs, beer signs, high chairs & much more (items located in Kansas City, KS area). Held at www.lind sayauctions.net/. Auctioneers: Lindsay Auction & Realty, LLC

Online Only Military, Collector & Sporting Arms Gun Auction (Open NOW, ends Nov. 28, 6 PM CST) - Over 700 Lots to include Lifetime collections of Marlin & Winchester lever actions, over 60 Colt & Smith & Wessons, machine gun, Browning, Glock, over 15 Winchester & Marlin commemoratives, ammo & many more guns, also a 2020 Dodge Ram 1500 pickup, near new 2021 Wesco 18' flatbed trailer held online at www. ArmsBid.com or www. KullAuction.com. Auctioneers: Kull's Old Town Station, Dan Kull.

Online, Unreserved Auction (Bidding Begins on or before Nov. 21, 6PM & closes Nov. 28) -Meinhardt Farm Equipment Auction including over 1,000 lots of horse drawn, antique & vintage tractors & farm equipment (items located at Wamego) held online at www.BigIron.com. Auctioneers: Big Iron Auctions, Bob Eichenberger, sales rep.

Online Unreserved Auc-

7) — Including 2009 $\rm JD$ 8530 tractor, 2008 JD 8530 tractor, 1996 JD 7200 tractor, 2004 JD 9660 combine & other Farm Equipment selling for Douglas & Evelyn Matson. Bidding online: www.BigIron.com. Auctioneers: Big Iron, Kaid Baumann, sales rep. November 20 - Online Land Auction: 471 acres m/l of river bottom tillable, upland tillable & pasture in 3 tracts or combinations (Burlington) selling for Holloway/ Noel Families. www. VaughnRoth.com. Auctioneers: Vaughn-Roth Land Brokers.

November 24 (Friday) -Land Auction consisting of 80 acres m/l of choice Jackson County hunting & wildlife habitat land (land located West of Mayetta), auction held at Mayetta for Brandy & Jennifer Johnston. Auctioneers: Cline Realty & Auction, LLC.

November 25 — Real Estate & personal property auction including Ferguson T020 tractor, Ford plow, manure spreader, JD riding mower, other equipment, lawn & garden, household & collectibles (appliances, bookcases, other furniture, 2 working train display set, lots of farm toys, large Fisher Price toy collection, Precious Moments & more). Real Estate: 4,000 sq. ft. home sells at Noon held at South Hutchinson for The Ball Family Trust. Auctioneers: Morris Yoder Auctions.

November 25 — Huge Clean-Out auction including new items in boxes, collectibles, furniture, cabinets & more such as Land Pride 60" mower, 3 motorcycles, barn paint, air conditionautomotive parts, appliances, carpeting, doors, chairs, tiling, holiday items, beer steins, quilting material, cameras, dog supplies, stereos, Chiefs & K-State items, advertising, Barbies & much more held at Sali-

Auctions, Loren Meyer. November 25 — Nemaha County Land Auction consisting of T1: 80.21 surveyed acres with approx. 71.15 ac. of tillable, balance small creek & waterways, good access, great building site; T2: 135.12 surveyed acres with approx. 125.4 ac. of tillable, balance small creek & waterways, good access, great building site held at Seneca for Alfred & Darlene Roeder Trust. Auctioneers: Sen-

eca Realty, Mike Kuck-

elman, broker, Dale Wil-

helm, auctioneer.

November 25 — Real Estate Auction consisting of 311 ac., m/l, of Southern Nemaha Co. Grassland & Farmland, including 2 wind turbines. T1: 77 ac. m/l of terraced, seeded back grassland; T2: 158 ac. m/l of terraced, seeded back grass; T3: Combo of Tracts 1 & 2; T4: 76 ac. m/l, 9 ac. tilled bottom land, balance mostly terraced, seeded back grassland held at Centralia for Fredrick L. & Georgia A. Mitchell Rev. Trust. Auctioneers: Cline Realty & Auction, LLC.

November 25 - 2014 Dodge Ram 1500, Tradesman 4WD, 1 owner truck, 111k, nice; Large John Deere Toy/Memorabilia Collection (99% w/boxes) selling for Kerry Mahlandt (Rose Hill). Also selling Collectibles inc. Avery Planter Co. album cover signs, 24" Cracker Jack tin sign, vintage military items (Vietnam/foreign), Coin & Stamp Collection & more for Wendy Balfour (Lawrence) held at Lawrence. Auctioneers: Elston Auctions.

November 25 — Geiger Cattle & Clear Creek Farm Open House selling 10 open females & 5 bred females. Spring bulls on display. \$100 bull sale credit to open house attendees. Cattle on display and silent bidding begins at 10 am at Troy. November 28 - Land Auction consisting of 240 acres m/l of Cloud County ac. with 155.75 cropland & T2: 78.25 ac. cropland held live at Clyde with online bidding starting Nov. 14 (www.Midwest-Land andHome.com) selling for Virginia Ransopher Trust. Auctioneers: Midwest Land & Home.

November 28 — Lincoln County Land Auction offered in 3 tracts. Excellent tillable and timber held at Lincoln for Steven E. Steinhaus & Mark A. Steinhaus. Auctioneers: Horizon Farm & Ranch Realty, LLC., Clint Heller, agent.

November 29 Land Auction consisting of 245.4 acres m/l of Geary County land sold in 3 Tracts held Live at Junction City with Online bidding available at RanchandFarmAuctions. com. Auctioneers: Ranch & Farm Auctions in cooperation with Whitetail Properties Real Estate. LLC.

November 30 - Land Auction consisting of 627 acres m/l of Dickinson County Land sold in 5 Tracts. T1: 64.75 ac. m/l cropland, 85.4 ac. m/l pasture & hay meadow; T2: 7.45 ac. m/l with 2BR. 1 1/2BA home, machine shed, barn; T3: 44.44 ac. m/l cropland, 110.16 ac. m/l pasture & old farmstead, machine shed; T4: 61.69 ac. m/l cropland. 94.11 ac. m/l pasture & 2 acres farmstead; T5: 91.16 ac. m/l cropland, 66.14 ac. m/l hay meadow & trees. Held at Abilene. Auctioneers: Coldwell Banker APW Realtors, Chris Rost, broker, Mark Baxa, auctioneer.

November 30 — Land Auction consisting of T1: 36 acres m/l tillable, potential development/build site (west of Hesston); T2: 15 acres m/l venue site with rustic cabin, ponds, timber in Harvey County held at Hesston selling for Hesston College. Online bidding available: www.horizonfarmranch. com. Auctioneers: Horizon Farm & Ranch Realty, LLC., Micheala Fry, sales agent.

December 2 - Coins including proof & mint sets (some silver), American Eagles, large cents, IH & Wheat cents, 2 & 3 cent pieces, nickels, dimes, quarters, Morgan

Grass & Grain, November 21, 2023 pieces, several books & bags of coins, large \$2 Red Seal & several authentic Confederate notes & more held at Portis. Auctioneers: Wolters Auction.

December 2 — Firearms & personal property auction including vehicles: 1965 (1964 1/2) Ford Mustang, 1976 Ford F150 Custom truck, mower: 318 JD, Snapper 33 riding mower, trailers, firearms inc. revolvers, pistols, rifles with scopes, shotguns, muzzle loaders, shooting & hunting supplies, lots of ammunition & reloading supplies & brass, farm toys, collectibles, primitives, many tools & outdoor, household & more held at Manhattan. Auctioneers: Crossroads Real Estate & Auction, LLC.

December 2 - Consignment Auction including tractors, equipment, trucks, cars, trailers, boats, ATVs, cattle equipment, tools, farm related items & misc. (no household) held at Leon. Auctioneers: Wedel Auction & Real Estate.

December 2 — Many Salina collectibles & advertising items. HD Lee items. Roy M. Heath advertising, large collection vintage & costume jewelry, antique glassware, Christmas items, knives, shotgun shells & boxes. toys, collectibles & lots more held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

December 2 — St. James Catholic Church Consignment auction accepting consignments for farm equipment, construction equipment, vehicles, hay, farm supplies, hedge posts, livestock equip., etc. held at Wetmore. Proceeds support St. James Church. To consign contact Bill Burdick or Ron Burdiek.

December 3 — Selling Coins, great selection of Gold, Diamond, Silver, Turquoise & costume Jewelry, Designer purses, china, cut glass, linens & more held at Osage City for property of The Late Virginia Kersten. Auctioneers: Wischropp Auctions.

December 3 - Collectibles, tools & household including furniture. washer & dryer, new

Page 11 pieces, McCoy, lamps, Christmas items, 1950s dolls, doll accessories. Kansas post cards, Victorian items, quilt, air compressor & more held at Salina for Linda Williams. Auctioneers: Thummel Real Estate & Auction, LLC.

December 5 — Land Auction consisting of an Irrigated Quarter of Rice County Land selling for Donald G. Dressler & Linda M. Dressler Trust held at Bushton. Auctioneers: Hollinger Real Estate & Online Auction, Jim Hollinger, broker/ auctioneer.

December 7 — Real Estate Auction consisting of 3 Tracts in Ramona: T1: 22.3 acres of native and mixed grass in city limits with rural water & electricity; T2: 1.44-acre lot; T3: Bungalow-style home built in 1903 with 3BR, 1 BA held live at Ramona for property of Ben Calvert. Auctioneers: Griffin Real Estate & Auction.

December 9 — Wheeler Angus annual production sale selling 40+ breeding age bulls. Heavily influenced with Baldridge Genetics. Spring Bred cows. fall open heifers, fall pairs, embryos & more held at Wheeler Angus Sale Barn Paris, Missou-

December 14 — Land Auction consisting of 153.99 acres m/l of cropland, pasture & hay in Marion County including 83.31 dryland acres with waterways & terraces, 70.68 grass acres, 2 ponds held live at Florence for the Estate of Lyle D. Jones. Auctioneers: Griffin Real Estate & Auction.

December 16 (1:30 pm) — Land auction with 150 acres m/l of Jackson County farmland, pasture & wildlife habitat (land located 2 mi. East of Soldier) held at Soldier for Raymond A. Droge Living Trust. Cline Realtv & Auction, LLC.

March 16, 2024 — Springhill Herefords - On Target Bull sale: Our 2024 offering will include bulls sired by Houston, Wall Street, Defiance, Long Haul, Perfecto, Leader 182F and KCF Trust B279. Visit our website for more details about the sale, private treat of-

tion (bidding closes Dec. na, Auctioneers: Lazy J land including T1: 158.79 & Peace dollars, \$5 Gold glassware, silverplate ferings. Winter prep? Think safety first, says K-State climatologist

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

If there's a buzzword for winter that Chip Redmond subscribes to, it would certainly be safety.

As a climatologist and manager of the Kansas Mesonet at Kansas State University, Redmond understands the many risks of winter weather.

"The most obvious may be the cold," Redmond said. "It's definitely a time to start pulling out the warmer stuff: the thermals, the overalls... we really need to become conscious about how many layers we put on in anticipation that the weather can change pretty rapidly this time of year."

Morning temperatures, he said, can be quite chilly, but temperatures

in the Midwest and other parts of the country often can warm nicely in the afternoon, before cooling again at sunset. Layering helps to protect during daily weather variations, Redmond said.

He also suggests a warm hat or stocking cap; mittens or gloves; and footwear that provides warmth and traction.

"There is usually an increase in slides or falling accidents this time of year when we get snow," he said. "I suggest minimizing your outside time during slippery periods, or least have the proper footwear and avoid areas where ice might build up. Sometimes it's easier to walk on grass than the sidewalk."

Additional safety tips as winter weather approaches include:

Removing snow

"As much as I don't want to admit it, I'm not as young as I was yesterday," Redmond said. "It takes a toll when we put our bodies under the stress of shoveling snow, especially wet, heavy snow that can be very physically demanding. That has been a leading cause of injuries and even death due to heart attacks. Be vigilant in what your body is capable of."

Redmond suggests asking friends, family, neighbors for help; removing snow in a way that doesn't require picking it up and throwing it; or using a

snowblower. Winter travel

"Travel can be a challenge any time of year, but it becomes much more of a challenge in winter be-

cause conditions change quickly over short distances," Redmond said.

He advises travelers to always check weather forecasts for their current location, their destination - and points in between.

"There are some apps available that will give you weather by the road (you're traveling)," said Redmond, who suggest the U.S. government website, weather.gov, for reliable, up-to-date forecasts across the country.

In Kansas, the Kansas Department of Transportation maintains a website, www.kandrive.org, that includes forecasts, road conditions, live cameras, road closures, and more.

Redmond said if a car's tires are worn, get new one's put on immediately. And, he says, keep a the car that includes such items as blankets, flashlight, cell phone charger, water, radio, dry food and other items to help you weather the elements in case of a breakdown.

When storms are imminent, "Don't travel," he said. "Make the smart decision to not go out there."

Stay off frozen waterways

"A lot of people in Kansas think that frozen ponds are pretty and they're fun to walk on." Redmond said. "But there's very rarely every a pond or a lake that's truly safe to walk on. To support a person's weight, you need a lot of ice. To keep that ice frozen, we rarely see those weather conditions align because we still get warmer temperatures in

winter preparedness kit in the winter, and enough sun to melt the ice during the afternoon."

> Redmond recently spoke in depth about winter preparedness and safety on the weekly radio program, Sound Living, produced by K-State Research and Extension. Listen to the full program online at www.soundlivingpodcast.net.

Ask Grass & Grain to SHARE your **Auction on the Official Grass & Grain Facebook Page**

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

SATURDAY, DECEMBER 2. 2023

ANTIQUES & COLLECTIBLES Many Salina, Ks. Collectibles & advertising (HD Lee items: Lee's Lighting saw; Meat Grinders; Butter Churn; Tobacco Cutter; Clothes Wringer; Lee's Lighting kerosene lamps; many other items); Roy M. Heath advertising: Smoky Hill A.F.B. car tag; Salina architectural salvage (bricks, stone pieces, newel post); Wm. Ainsworth & Sons, Denver Precision scale; Masonic swords; Masonic regalia; Isis Shrine, Knights Templar, Scottish Rite many 100 yrs old; Keyston film projector & movies (Amos & Andy others); Will Rogers statue; large collection vintage & costume jewelry; Vintage clothing & accessories; 1950's US Navy uniform: 1865 Union Civil War discharge paper; kerosene lamps; 2 marble top tables; hall tree w/mirror & umbrella stand; vintage umbrellas;

vintage canes & walking sticks:

Auction will be held in Kenwood Hall at the Saline Co. Fairgrounds, 900 Greeley, SALINA, KS leaded glass pane; kitchen collectibles; refrigerator jars; Pyrex dishes; antique glassware; egg scales; calendar plates; mantel & wall clocks; Wm. L. Gilbert Clock Co. General No. 132 wall clock; Halloween & Christmas decorations; candle powered Christmas windmill/nativity pyramid/wooden carousels; cast iron banks; postcards; Hummel figures; wall hat rack w/mirror; sleigh bells; wooden machinist boxes; dresser sets; Indian blankets; antique tools; string holders; 10 Mercury dimes; pie cupboard; featherweight sewing machine: Jadite: red glass: knives inc: Case, Remington, Schrade, other knives; pocket knives; duck decoys; several pistols in need of repair: recoil pads; gun parts; Remington Percussion caps; Gam bles ammo box; gun scopes; shotgun shells & boxes inc: Remington-Peters Dove load &

load boxes; reload dies; fishing reels; Ducks Unlimited pictures; spurs; US & other bridle rosette; Heinz Olive box; lunch boxes; typewriter: viewer w/cards: To The Last Man Zane Grey book; Commodore 64 computer; belt buckles; buffalo bank; electric football: other games: 2 cast iron trucks; Kayanee toy sewing machine; toys; Fisher Price toys; 2 Tonka jeep boxes only; California Raisins & Smurf lunch boxes comic books; True Tone radio record player; typewriters; RC 6-pack carrier; carbide lamp; wall chalkboard: small cast iron motor & pestle: Pvrex bowls: creamer & sugar collection; assortment glass; Indian pots; powder horn ladies hankies; cameras; wooden Gordon Type bat: cherry pitter; many cookie cutters; records; Christmas Houses Dickenson collectibles Victorian Series & Village series; Christmas figures; many other collectibles TroyBilt power washer.

NOTE: Check our website for pictures www.thummelauction.com Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067

100 yr old cast iron floor train; Remington All American Trap-

SUNDAY, DECEMBER 3, 2023 Auction will be held in Kenwood Hall at the Saline Co. Fairgrounds, 900 Greeley, SALINA, KS

COLLECTIBLES, TOOLS & HOUSEHOLD

Oak dining room table; washer & dryer; solid bedroom set; coffee table & end tables; wringer washer; 6 antique chairs; school desk; rope seat chair; dressing screen; wood rocker; corner shelves; hide a bed; 2 table top display cases; Milking bench; camel back trunk; quilt rack: round wood curio shelf: glass top table; 1957 card table; Swedish wood sewing box; nesting tables; 3 tier wood shelf; wood corner shelf; foot stool; Dishes: Homer Laughlin; Bavaria; Limoges; German; Nippon; Italy candy dish; crystal picture frame; crystal candy dish; brown cookie jar; Beech coffee mugs; USA dishes; silverplate candy dish; cannister set; crystal cake plate; covered cake plate: ielly iars: silverplate pieces; metal tea pots; creamers & sugars; salt shakers;

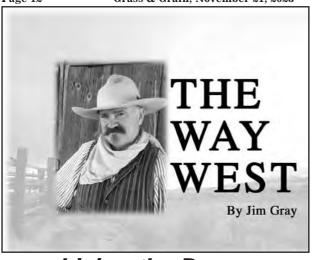
spice rack; crock bowl, pitcher & tea pot; set green dishes; salt dips; large bowl; platters; Mc-Cov pieces; duck cannister set; kerosene lamps; table lamps; blue glass table lamps; seashell lamps; milk glass lamps; miniature lamps: crystal table lamps; spinning wheel lamp; glass fruit jar lamp; 2 trees on stands; glass lamp shades; Village of houses; Avon plates; aluminum syrup container; metal napkin holders; silk flowers; Christmas; snowmen; figurines; canes; milk glass pieces; Noah's Ark items; bird cages; England tin plates; bottles; glass butter press; native Okla clay jars & vases; glass clock; 1950's dolls; pictures; Mary Kay demo case; bird houses; pig & shoe cast iron door stops; doll furniture; ash tray; McCoy items; wood painted duck; brass carousel horse; glass candle holders; wicker mirror;

picture album; pr. Wrought iron wall candle holders; Victorian items; elephant bank; Kansas post cards; linens; table cloth crocheted pot holders; quilt; bedspread; sunflower placemats; rugs; lace table cloth; dollies; place mats; puzzles; basket; wire basket; lap tray; bird houses; silver plate items; sad irons; candy tins; large mirror: floor fan: vintage records; vintage items; buttons; wicker baskets; Doll furniture; doll dressing screen; ironing boards; doll beds; doll play pen croquet set; Laurel & Hardy statues; Mans 10 speed bike; women's 3 speed bike; black storm door: wood doors: wood cathedral doors; bottle on metal stand; telephone insulators; wood display stand; Portable air compressor; push lawn mower: chain saw: assortment of tools; large assortment of

NOTE: Check our website for pictures www.thummelauction.com

LINDA WILLIAMS

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



Living the Dream

Once upon a time the founders of this country dreamed of a land that spread from sea to shining sea. They envisioned prosperous farms and ranches covering the land like a beautiful handmade quilt. Vibrant villages filled with shops, schools, and churches provided community and a sense of place making America the finest place on earth to live and raise a family no matter where you were placed on that beautiful quilt. What a beautiful dream!

There are those that would say it was "only" a dream. I'm not one of those. Oh, yes, it is a certainty that the dream was shattered, but that doesn't mean we should let it go.

BULLS: \$119.00-\$130.00

Back in those terrible days of runaway inflation and the economic chaos that followed in the early 1980s I almost lost the dream. It had faded from consciousness but somewhere in the darkness a dim light still flickered.

"How did you get yourself into this situation?" the unconscious lender asked when he pulled the rug out from under my family in 1981. He thought I was just one more bit of chaff to be rendered from the harvest. The common line of the day was that agriculture was in fine shape. The inefficient farmers were just being weeded out to make room for the bigger, better operators.

I held out with ten

cows and calves after liquidating my herd to pay the debt and regain some breathing room to build again. It was never easy, but you could say I have a stubborn streak, and I sure wasn't inefficient. Those of us that are left today can tell the stories of good farmers and ranchers that were forced out.

Government policies have come and gone. Prices have moved upwards only to be dashed just as something like a livable wage began to emerge.

Presently, we have good cattle prices. The last time that happened imports were opened up and foreign beef flooded in to break the market. You wonder whose side are they on? Do the powers that be really want to break the heart of the very soul of America?

I don't really think that the economists who shaped the farm programs wanted to break farmers. I just think that they didn't know what they were doing. It's the same for those who are trying to revive rural Kansas communities.

Rural Opportunitv Zones were initiated in 2012 to reverse or at the very least slow rural depopulation. The abysmal result after ten years showed a continued outflow in population that far

617@\$235.00

the program had drawn into the state. There are other programs in the state and across the nation that are attempting to solve the problem of rural depopulation. A nationwide coalition of organizations called "Thrive America" has brought some of the best minds together to tackle intricate problems that wouldn't need to be addressed if they only recognized the core failure of inadequate purchasing power on the farm. These well intentioned efforts frankly miss the mark. Under the Kansas Department of Commerce the Office of Rural Prosperity is charged with advocating for and promoting "efforts designed to aid rural improvements." Perhaps they should advocate for

exceeded the 1,400 people

eral farm program. Take a drive across the Great Plains. It doesn't really matter what route you take. Decay and ruin is all too common. Certainly there are stalwart folks who refuse to give up. They should be applauded for all that they do in the face of continued depopulation.

a small farms-friendly fed-

The weakest link is always the one that must be repaired first. Repair that link and the chain will continue to perform its function. One wouldn't add reinforcement to a link that was strong and durable. So why haven't we reinforced the weakest link of agricultural production in the national economy? If the nation desires to be strong, if we truly want to be that shining light on the hill, why aren't we seeking to strengthen the nation by strengthening its very foundation?

I've always found it

strange that the phantom world of stocks and bonds and paper trade has more perceived value than the production of the essential wealth of food and fiber. In our upside down world real wealth is subjugated to the whims of individuals who live in a fantasy world. One that has been created from the ashes of the very same vanquished producers of that real wealth. They have convinced themselves that they are the ones who live in the real, dog-eat- dog world, while producing nothing of real substance. It's all sleight of hand, mind-boggling manipulation that produces the illusion of an incredibly misplaced perception of reality. For true wealth comes from the tangible production of the earth.

Agricultural leaders tell us that nothing can be done to return America to a small farm economy, an era long past. The honest

Livestock Commission Co., Inc.

Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY

Hogs sell at 11:00 a.m. on the 2nd & 4th Monday of the month.

truth is that their policies have failed us, one and all. That failure has produced a landscape of empty farmsteads and ghost towns that once supported us on The Way West.

(Next Week - Repair Rural America)

"The Cowboy," Jim Gray can be reached at 220 21st RD Geneseo, KS. Phone 785-531-2058 or kansascowboy@ kans.com.

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

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

TOTAL FOR THE WEEK: CATTLE - 4,734. HOGS - 280.

COWS: \$90.00-\$101.00				20	Blk	Clifton	625@\$235.00
STEERS				47	Blk	Assaria	625@\$234.00
300	-400		\$315.00 - \$327.00	23	Blk	Barnard	632@\$230.50
400	-500		\$309.00 - \$320.00	17	Mix	Newton	651@\$230.00
500	-600		\$282.00 - \$294.00	8	Blk	Gypsum	679@\$227.00
600	-700		\$249.00 - \$260.00	6	Blk	Marion	671@\$226.00
700	-800		\$230.00 - \$244.50	15	Blk	Lindsborg	671@\$226.00
800	-900		\$220.00 - \$232.50	13	Blk	McPherson	640@\$225.00
900	-1,000		\$209.00 - \$220.00	3	Blk	Moundridge	658@\$223.00
HEIFERS			9	Blk	Salina	716@\$221.00	
300	-400		\$275.00 - \$285.00	12	Mix	Salina	610@\$219.50
400	400-500 \$265.00 - \$276.00			17	Blk	Gypsum	799@\$219.50
500	500-600 \$246.00 - \$259.00		10	Blk	Durham	816@\$215.50	
600	600-700 \$230.00 - \$241.00			65	Mix	Assaria	780@\$215.00
700	700-800 \$210.00 - \$221.00		13	Blk	Delphos	788@\$214.75	
800-900			\$204.00 - \$215.50	73	Blk	Whitewater	747@\$214.00
900-1,000 No Test			76	Mix	Kingman	733@\$212.75	
				6	Mix	Newton	766@\$212.50
THURSDAY, NOVEMBER 16, 2023				4	Mix	Courtland	839@\$210.00
STEERS			4	Mix	Lorraine	849@\$207.00	
5	Red	Brookville	406@\$302.50	62	Blk	Whitewater	845@\$203.00
7	Blk	Lindsborg	419@\$299.00	45	Blk	Delphos	877@\$198.75

474@\$297 00

22	MIX	Lescott	474@\$297.00				
19	Blk	Lindsborg	522@\$294.00	MONDAY, NOVEMBER 13, 2023			
8	Red	Brookville	447@\$290.00			HOGS	
5	Blk	Salina	486@\$288.00	5	Pigs	Nickerson	48@\$25.00/Hd
2	Blk	Newton	455@\$285.00	24	Pigs	Nickerson	44@\$17.50/Hd
2	Blk	Atlanta	458@\$279.00	11	Pigs	Chase	37@\$15.00/Hd
14	Blk						
		Assaria	552@\$277.00	2	Fats	Sylvan Grove	330@\$55.00
2	Mix	Bennington	453@\$275.00	11	Fats	Moundridge	276@\$51.00
15	Blk	McPherson	548@\$270.00	16	Fats	Lincolnville	279@\$47.00
8	Mix	Bennington	519@\$268.00	3	Fats	Nickerson	325@\$45.00
8	Blk	Barnard	568@\$265.00	11	Sows	Cheney	577@\$44.00
7	Mix	Salina	524@\$264.00	3	Sows	Haven	765@\$44.00
11	Red	Brookville	549@\$261.00	3	Sows	Abilene	512@\$42.00
9	Blk	Minneapolis	623@\$260.00	11	Sows	St. John	550@\$42.00
23	Blk						
		Lindsborg	584@\$257.00	3	Sows	Minneapolis	582@\$42.00
13	Mix	Lindsborg	627@\$254.00	2	Sows	Arlington	693@\$42.00
9	Blk	Beloit	639@\$253.50	12	Sows	Cheney	486@\$40.00
20	Blk	Lindsborg	649@\$252.00	2	Sows	Russell	505@\$35.00
4	Bwf	Solomon	616@\$247.00	2	Sows	Moundridge	615@\$23.00
12	Blk	Atlanta	709@\$244.50			CALVES	·
17	Blk	Lindsborg	689@\$244.50	2	Mix	Roxbury	255@\$475.00
10	Mix	Lindsborg	705@\$241.00	2	Blk	Lyons	190@\$450.00
12	Blk	Beloit	778@\$238.50	1	Blk	Jamestown	200@\$450.00
7	Blk			'	DIK		200@\$450.00
		Gypsum	752@\$237.00		DII	BULLS	1000@#100 00
19	Blk	Assaria	725@\$235.50	1	Blk	Salina	1690@\$130.00
10	Blk	Canton	698@\$233.00	1	Blk	Canton	2120@\$127.00
5	Blk	Abilene	808@\$232.50	1	Blk	Claflin	2065@\$125.50
9	Blk	McPherson	767@\$232.00	1	Blk	Gypsum	2115@\$123.50
5	Blk	Moundridge	715@\$232.00	1	Blk	Lehigh	2205@\$122.50
7	Red	Haven	779@\$230.00	1	Blk	Abilene	2145@\$118.50
10	Blk	Lindsborg	835@\$227.00	1	Blk	Lehigh	2165@\$118.00
26	Mix	Newton	703@\$227.00	1	Blk	Ada	2070@\$117.00
11	Blk	Gypsum	885@\$225.00	i	Blk	Ellsworth	2320@\$117.00
10	Mix	Marion	801@\$224.00	1	Blk	Ada	1750@\$115.50
19	Mix	Haven	867@\$222.00	1	Blk	McPherson	2260@\$113.00
				1	DIK		2200@\$113.00
56	Blk	Hope	928@\$220.00			cows	
61	Mix	Benton	925@\$217.50	1	Blk	Delphos	1630@\$101.00
35	Blk	Gypsum	970@\$215.50	1	Red	Kanopolis	1350@\$101.00
		HEIFERS		1	Red	Marion	1915@\$100.50
12	Blk	Lindsborg	455@\$276.00	1	Blk	Durham	1705@\$100.00
9	Mix	Assaria	478@\$267.00	1	Blk	Abilene	1340@\$100.00
6	Mix	Assaria	398@\$265.00	1	Blk	Minneapolis	1480@\$99.50
26	Char	Hillsboro	495@\$261.00	i	Blk	Solomon	1605@\$99.50
5	Blk	Inman	370@\$260.00	3	Blk	Salina	1463@\$99.00
20	Blk						
		Inman	527@\$259.00	1	Blk	New Cambria	1575@\$99.00
5	Red	Brookville	442@\$253.00	4	Blk	Salina	1538@\$98.00
3	Blk	McPherson	462@\$250.00	1	Char	New Cambria	1545@\$97.00
18	Mix	Salina	522@\$246.00			DAY, NOVEMBE	
20	N Aisc	Mourton	ECO @ \$244 00			CDECIAL CALE	CALE

UPCOMING SPECIAL SALES

Red

Blk

560@\$244.00

529@\$244.00

526@\$244.00

555@\$241.50

628@\$241.00

SPECIAL COW SALES: Tuesday, December 19 **WEANED/VACC SALES:** Tuesday, December 5 * Tuesday, January 2 * Tuesday, January 9 * Tuesday, February 6

KANSAS BUFFALO ASSOCIATION SALE: Saturday, December 2

IN STOCK TODAY:

• Heavy Duty Round Bale Feeders • Heavy Duty Feed Bunks

For Information or estimates, contact:

Newton

Beloit

Clifton

Assaria

20 Mix

16 Blk

Blk

Mix

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

Cody Schafer Jim Crowther Lisa Long 620-381-1050 785-254-7385 620-553-2351 Roxbury, KS Ellsworth, KS Durham, KS

Kenny Briscoe 785-658-7386 Lincoln, KS

SPECIAL CALF SALE

STEERS

Bennington

Brookville

393@\$327.00 463@\$320.00

430@\$315.00

Kevin Henke 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

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

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

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD

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

SA.com LIVE CATTLE AUCTIONS

FARMERS & RANCHERS HAS SWITCHED BACK to for our online auctions. 395@\$315.00 Lindsbora 647@\$244.00

2	DIL	Solino	422@¢24E 00	24	DIL	Lorraino	624@\$244.00
							610@\$243.00
							630@\$243.00
_							615@\$233.00
							645@\$233.00
				27	Char		733@\$219.00
12	Mix	Hoisington	466@\$289.00			HEIFERS	
10	Mix	Lincolnville	515@\$284.00	2	Blk	Halstead	258@\$310.00
4	Blk	Hutchinson	504@\$283.00	7	Blk	Lindsborg	336@\$285.00
3	Blk	Delphos	500@\$277.00	16	Blk	Hutchinson	463@\$261.00
7	Mix	Lorraine	472@\$276.00	11	Mix	Lindsborg	441@\$260.00
2	Blk	Topeka	498@\$275.00	5	Blk	Hutchinson	389@\$257.50
4	Blk	Brookville	550@\$272.50	3	Blk	Brookville	452@\$252.00
12	Blk	Salina	556@\$271.00	10	Mix	Smolan	465@\$250.00
24	Red	Smolan	554@\$268.50	12	Blk	New Cambria	503@\$249.00
8	Blk	Delphos	535@\$265.00	26	Blk	Kingman	507@\$246.00
21	Blk	Lindsbora	560@\$263.00	2	Blk	Delphos	445@\$245.00
19	Blk	Smolan	573@\$263.00	14	Mix	Lorraine	477@\$241.00
8	Blk	New Cambria	548@\$261.00	17	Blk	Salina	524@\$241.00
13				10	Mix	Lindsbora	522@\$237.00
				18	Blk		551@\$235.00
							547@\$234.00
	Char		643@\$253.00	15	Red	Bennington	619@\$223.00
				8		Walton	668@\$222.00
							616@\$222.00
29	Mix	Smolan	636@\$244.00	_0		•	5.5 C \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	4 3 7 2 4 12 24 8 21 19 8 13 9 33 26 11 18	21 Blk 2 Blk 2 Char 15 Blk 14 Mix 12 Mix 10 Mix 4 Blk 3 Blk 7 Mix 2 Blk 4 Blk 12 Blk 24 Red 8 Blk 21 Blk 21 Blk 21 Blk 33 Blk 21 Blk 33 Blk 33 Blk 19 Blk 33 Blk 19 Blk 18 Mix 19 Blk 19 Blk 10 Char 11 Blk 13 Mix 14 Blk 15 Blk 16 Char 17 Blk 18 Blk 18 Blk 19 Blk 10 Blk 10 Blk 11 Blk 11 Blk 12 Blk 13 Blk 14 Blk 15 Blk 16 Blk 17 Blk 18 Blk 18 Blk 19 Blk 10 Blk 10 Blk 11 Blk 11 Blk 11 Blk 12 Char 11 Blk 13 Blk 14 Blk 15 Blk 16 Char 17 Blk 17 Blk 18 Blk 18 Blk 19 Blk 10 Blk 10 Blk 10 Blk 11 Blk 11 Blk 12 Blk 13 Blk 14 Blk 15 Blk 16 Char 17 Blk 17 Blk 18 Blk 18 Blk 18 Blk 18 Blk 19 Blk 10 Blk 10 Char 10 Blk 10 Char 10 Blk 10 Char 10 Blk 10 Char 11 Blk 11 Blk 12 Char 11 Blk 13 Blk 14 Blk 15 Blk 16 Char 17 Blk 17 Blk 18 Bl	2 Blk Salina 21 Blk Lindsborg 2 Blk Hutchinson 2 Char Hutchinson 15 Blk Kingman 14 Mix Smolan 12 Mix Hoisington 10 Mix Lincolnville 4 Blk Hutchinson 3 Blk Delphos 7 Mix Lorraine 2 Blk Topeka 4 Blk Brookville 12 Blk Salina 24 Red Smolan 8 Blk Delphos 21 Blk Salina 24 Red Smolan 8 Blk Delphos 21 Blk Lindsborg 19 Blk Smolan 8 Blk New Cambria 13 Mix Hoisington 9 Blk Lorraine 13 Mix Hoisington 9 Blk Kingman 26 Char Bennington 11 Blk Tescott 18 Mix New Cambria	2 Blk Salina 433@\$\$315.00 21 Blk Lindsborg 435@\$\$312.00 2 Blk Hutchinson 423@\$\$310.00 15 Blk Kingman 453@\$\$307.50 14 Mix Smolan 481@\$289.00 12 Mix Hoisington 466@\$289.00 10 Mix Lincolnville 515@\$284.00 4 Blk Hutchinson 504@\$283.00 3 Blk Delphos 500@\$277.00 7 Mix Lorraine 472@\$276.00 2 Blk Topeka 498@\$275.00 4 Blk Brookville 550@\$272.50 12 Blk Salina 556@\$271.00 24 Red Smolan 554@\$268.50 8 Blk Delphos 535@\$265.00 21 Blk Lindsborg 560@\$263.00 19 Blk Smolan 573@\$263.00 19 Blk New Cambria 548	2 Blk Salina 433@\$\$315.00 24 21 Blk Lindsborg 435@\$\$312.00 19 2 Blk Hutchinson 423@\$\$312.00 10 2 Char Hutchinson 403@\$\$310.00 19 15 Blk Kingman 453@\$\$307.50 34 14 Mix Smolan 481@\$289.00 27 12 Mix Hoisington 466@\$289.00 2 10 Mix Lincolnville 515@\$284.00 2 4 Blk Hutchinson 504@\$283.00 7 3 Blk Delphos 500@\$277.00 16 7 Mix Lorraine 472@\$276.00 11 2 Blk Topeka 498@\$275.00 5 4 Blk Brookville 550@\$271.00 10 24 Red Smolan 554@\$268.50 12 8 Blk Delphos 535@\$265.00 26 2	2 Blk Salina 433@\$315.00 24 Blk 21 Blk Lindsborg 435@\$312.00 19 Red 2 Blk Hutchinson 423@\$312.00 10 Blk 2 Char Hutchinson 403@\$310.00 19 Blk 15 Blk Kingman 453@\$307.50 34 Blk 14 Mix Smolan 481@\$289.00 27 Char 12 Mix Hoisington 466@\$289.00 27 Char 10 Mix Lincolnville 515@\$284.00 2 Blk 4 Blk Hutchinson 504@\$283.00 7 Blk 3 Blk Delphos 500@\$277.00 16 Blk 7 Mix Lorraine 472@\$276.00 11 Mix 2 Blk Topeka 498@\$275.00 5 Blk 4 Blk Brookville 550@\$272.50 3 Blk <	2 Blk Salina 433@\$315.00 24 Blk Lorraine 21 Blk Lindsborg 435@\$312.00 19 Red Lorraine 2 Blk Hutchinson 423@\$312.00 10 Blk Newton 2 Char Hutchinson 403@\$310.00 19 Blk Lindsborg 15 Blk Kingman 453@\$307.50 34 Blk Lindsborg 14 Mix Smolan 481@\$289.00 27 Char Bennington 12 Mix Hoisington 466@\$289.00 HEIFERS 10 Mix Lincolnville 515@\$284.00 2 Blk Halstead 4 Blk Hutchinson 504@\$2883.00 7 Blk Lindsborg 3 Blk Delphos 500@\$277.00 16 Blk Hutchinson 4 Blk Topeka 498@\$275.00 5 Blk Hutchinson 4 Blk Brookville





Early Consignments For THURSDAY,

89 steers, 650-850, wean September 24, 2 round vaccinations; 50 heifers, 600-750, wean September 24, 2 round vaccinations, checked open; 90 steers & heifers, 700-850, home raised, 2 round vaccinations, 30 days weaned; 34 heifers, 800-1000, checked open; 24 steers, 700-750; PLUS MORE BY SALE TIME.

SPECIAL Wean/Vacc SALE! TUESDAY, DEC. 5, 2023 (11 AM Start) Get Your Cattle CONSIGNED!!

30 blk s&h, 450-600, 50 days wean, vaccs; 35 s&h; 10 blk s&h, 450-600; 25 s&h,

500-600, LTW, 2 round vaccs; 70 blk/bwf s&h, 650-800, wean Oct. 20; 29 blk s&h, 600-750; 9 blk/red strs, 550-650, wean Oct. 20; 8 blk s&h, 500-700, hr, wean Sept, 2 round vaccs; 30 blk s&h, 500#, wean 45+ days, 2 round vaccs; 50 mostly blk s&h, 550-700, HR, wean 45 days, vaccs, knife cut; 45 blk s&h, 550-650, wean 45+days, HR, vaccs; 65 blk/bwf s&h, 600-675, wean 30 days, vaccs, open, knife cut; 30 strs, 700-800, LTW, all vaccs; 70 blk/char s&h, wean Sept. 20, 3 round vaccs, HR, open; 120 blk strs, wean 45+ days, vaccs, Green Garden sired; 32 CharX steers, 600-700 wean 75+ days; 36 blk, s&h, 600-700; 80 Gel/AngX strs, 800#; 40 Gel/AngX hfrs, 550#; 28 blk s&h, HR, LTW, vaccs; 120 blk/red s&h, 550-600, 3 round vaccs, Oct. wean; 80 CharX s&h, 550-700; 110 blk s&h, 500-600, fall vaccs; 40 bwf/rwf strs, 450-600, 60 days wean, 3 round vaccs; 259 s&h, 550-800, 3 round vaccs, 60 days wean; 40 red AngX s&h, 450-500, fall vaccs; 130 blk/charX s&h, 500-650, HR, wean 45+days, 2 round vaccs; 50 blk s&h, 500-650, wean 70 days; 100 blk s&h, 550-700, wean 45 days, 2 round vaccs, open, HR; 150 mostly blk s&h, 500-700, wean 45 days, vaccs/poured; 17 mostly blk s&h, 500-700, wean 45 days, vaccs; 100 blk s&h, 500-600 wean 45 days, 2 round vaccs; 160 blk/CharX s&h 550-725, LTW, 2 round vaccs; 120 blk/bwf strs, 500-700, wean 45 days, fall vaccs; 72 blk strs, 600-700, weaned, vaccs; 110 s&h, 500-600, fall vaccs; 18 blk s&h, 450-600, 75 days wean, vaccs; 135 blk Sim/Ang strs, 600-800, Cow Camp sired; 48 s&h, 550-650, wean Oct.1, fall vaccs; 55 blk s&h, 650-700 wean 30+days, HR, 2 round vaccs, bunk broke; 50 blk s&h, 500-750; 8 blk/red Ang s&h, 750-800, 45 days wean, 2 round vaccs; PLUS MORE BY SALE TIME.



Cattle Sale Broadcast Live on www.cattleusa.com 1150 KSAL, Salina 6:45 AM -MON.FRI * 880 KRVN 8:40 AM - WED.-THURS. *550AM KFRM - 8:00 am, Wed.-Thurs.